

BEFORE THE
SCIENTIFIC AND MEDICAL ACCOUNTABILITY
STANDARDS WORKING GROUP
OF THE INDEPENDENT CITIZENS' OVERSIGHT COMMITTEE
TO THE CALIFORNIA INSTITUTE FOR REGENERATIVE MEDICINE
ORGANIZED PURSUANT TO THE
CALIFORNIA STEM CELL RESEARCH AND CURES ACT
REGULAR MEETING

LOCATION: MIYAKO HOTEL
1625 POST STREET
SAN FRANCISCO, CALIFORNIA

DATE: MAY 9 & 10, 2007

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1 SAN FRANCISCO, CALIFORNIA; THURSDAY, MAY 10, 2007

2

3 CHAIRMAN LO: OKAY. LET ME SAY GOOD MORNING
4 AND WELCOME, MARCY. I HOPE YOU HAD A FINE COMMUTE OVER
5 FROM THE EAST BAY. I WOULD LIKE TO CALL US TO ORDER.
6 WANT TO SAY GOOD MORNING TO EVERYBODY AND HOPE YOU ALL
7 SLEPT WELL. NICE REFRESHING FOG TO KEEP YOU COOL.

8 WE HAVE A NUMBER OF THINGS TO DO THIS
9 MORNING, PRIMARILY SOME INTERESTING THINGS THAT GEOFF
10 HAS DONE WITH REGARD TO REACHING OUT TO THE
11 INSTITUTIONS AND SCRO'S AROUND THE STATE AND SORT OF
12 FINDING OUT WHAT THEY THINK OF THE REGULATIONS AND WHAT
13 CONCERNS THEY HAVE AND PROBLEMS THEY HAVE APPLYING
14 THEM. BUT I THOUGHT THAT I WOULD START BY TRYING TO
15 BRING TOGETHER WHAT I THOUGHT WAS A VERY INTERESTING
16 AND VERY RICH DISCUSSION FROM YESTERDAY.

17 MARY, IS YOUR SCHEDULE SUCH THAT YOU NEED TO
18 GO? YOU WANT TO GO RIGHT AWAY? LET ME, SINCE MARY
19 MAXON, WHO IS THE VICE CHAIR OF THE INTELLECTUAL
20 PROPERTY TASK FORCE, IS HERE, LET ME START WITH HER AND
21 ASK HER TO SHARE WITH US WHAT HER GROUP HAS BEEN DOING.
22 AND THEN WE'LL SORT OF DO OTHERS THING. THANKS SO MUCH
23 FOR COMING DOWN, MARY.

24 DR. MAXON: THANK YOU. GOOD MORNING. I'M
25 HERE TO GIVE YOU ANOTHER STATUS REPORT ON THE WORK OF

1 THE INTELLECTUAL PROPERTY TASK FORCE. SO TO DATE WE'VE
2 WORKED ON THE DEVELOPMENT OF TWO INTELLECTUAL PROPERTY
3 POLICIES. FROM THOSE POLICIES, AS YOU WELL KNOW,
4 SPRING REGULATIONS, AND I'LL GIVE YOU AN UPDATE ON BOTH
5 THE POLICIES AND THE STATUS OF THE REGULATIONS.

6 SO TO DATE WE'VE HAD 13 PUBLIC MEETINGS
7 DEVOTED TO INTELLECTUAL PROPERTY POLICY DEVELOPMENT.
8 WE ALSO HAVE ANOTHER ONE SCHEDULED FOR LATER THIS
9 MONTH. WE'VE HAD 18 PRESENTATIONS BY EXPERTS AND
10 STAKEHOLDERS WHO HAVE BEEN FORMAL INVITEES TO COME AND
11 GIVE PRESENTATIONS ABOUT TECHNOLOGY TRANSFER, HOW
12 GRANTING AGENCIES GIVE GRANTS, AND THEIR INTELLECTUAL
13 PROPERTY POLICIES. WE'VE HAD REPRESENTATIVES FROM THE
14 NATIONAL ACADEMIES TALK TO US ABOUT INTELLECTUAL
15 PROPERTY RECOMMENDATIONS, ETC. AND WE'VE DONE A SURVEY
16 OF MORE THAN 20 FUNDING ENTITIES IN CALIFORNIA, IN THE
17 UNITED STATES, AND IN OTHER COUNTRIES TO TRY TO GET AN
18 IDEA OF BEST PRACTICES FROM WHICH WE COULD DERIVE SOME
19 COMPONENTS TO PUT INTO OUR OWN POLICIES.

20 THERE HAVE BEEN MORE THAN ONE HUNDRED
21 INTERVIEWS DONE BY TELEPHONE. AND WHAT'S MISSING FROM
22 THE SLIDE ALSO IN TERMS OF RESEARCH IS A HUGE AMOUNT OF
23 HOMEWORK INVOLVING LITERATURE SEARCHES, WEB SEARCHES.
24 AND IF JEFF SHEEHY WERE HERE, HE COULD TELL YOU THAT
25 THE AMOUNT OF READING MATERIAL STACKS ABOUT 3.5 FEET

1 HIGH THAT THE IP TASK FORCE MEMBERS WERE ASKED TO READ.

2 LET ME INTRODUCE YOU A LITTLE BIT TO THE
3 CONCEPT OF CIRM FUNDING TO NONPROFIT AND FOR-PROFIT
4 ENTITIES. THE RESEARCH SECTORS ACTUALLY HAVE
5 DIFFERENTIAL FUNDING OPPORTUNITIES AVAILABLE. IF YOU
6 LOOK TO THE RIGHT WHERE NONPROFIT IS LISTED, THE
7 OUTCOME OF NONPROFIT RESEARCH IS KNOWLEDGE. THAT'S THE
8 EXPECTED OUTCOME. OCCASIONALLY THERE'S AN INVENTION.
9 AND THEN, IF LUCKY, THAT INVENTION GETS LICENSED TO A
10 THIRD PARTY, USUALLY A COMPANY. AND YOU CAN SEE THAT
11 THE ARROWS INDICATE THAT THE SCIENCE MAY BECOME AN
12 INVENTION AND THAT INVENTION MAY BE LICENSED. THAT'S
13 THE OPPORTUNITY FOR TRANSFER OF PATENTED INTELLECTUAL
14 PROPERTY IN THE NONPROFIT SECTOR. YOU WILL SEE THAT
15 THE BLUE ARROW EMANATING FROM THE MIDDLE WHERE IT SAYS
16 CIRM FUNDING INDICATES THAT CIRM WILL FUND PRIMARILY
17 BASIC SCIENCE AT NONPROFIT INSTITUTIONS. NOW, NOTICE I
18 SAID PRIMARILY. WE CAN TALK MORE ABOUT THAT IF YOU
19 WANT TO.

20 ON THE LEFT-HAND SIDE, THE FOR-PROFIT SCHEME
21 SHOWS THAT CIRM FUNDING CAN GO TO BASIC SCIENCE
22 ENDEAVORS AT COMPANIES. THERE WAS A SURVEY PUBLISHED
23 LAST YEAR IN *NATURE BIOTECHNOLOGY* THAT SAID OF THE
24 FDA-APPROVED NOVEL AGENTS FROM 1995 TO 2003, THE VAST
25 MAJORITY OF THEM HAD THEIR INCEPTIONS IN FOR-PROFIT

1 COMPANIES, NOT IN NONPROFIT UNIVERSITIES. THAT WAS
2 QUITE SURPRISING TO ME IN THE RESEARCH. SO YOU CAN SEE
3 THAT CIRM FUNDING CAN GO FOR BASIC SCIENCE, IT CAN GO
4 TO PRECLINICAL EXPERIMENTATION, AND IT CAN GO INTO
5 CLINICAL TRIALS FURTHER DOWN THE SCHEME. SO THERE ARE
6 A NUMBER OF DIFFERENT POINTS INTO THIS SCHEME WHERE
7 CIRM FUNDING CAN BE INJECTED, AND THIS IS IMPORTANT IN
8 TERMS OF HOW WE WRITE A POLICY TO HANDLE THE GRANTS
9 THAT GO TO THESE ENTITIES.

10 NOTICE ALSO THAT AT THE STAGE THAT A
11 FOR-PROFIT INVENTS A PATENTED -- GETS A PATENTED
12 INVENTION, IT ALSO HAS THE OPPORTUNITY TO LICENSE IT
13 AWAY. THIS HAPPENS REGULARLY. AND YOU CAN SEE THAT
14 THAT'S THE ONE THING THAT THE FOR-PROFIT AND NONPROFIT
15 SECTORS HAVE IN COMMON.

16 DR. ROWLEY: BEFORE YOU MOVE FROM THAT SLIDE,
17 WHY IS IT THAT CIRM FUNDING IS SO ASYMMETRICAL, IF YOU
18 WILL, IN THE THINGS IT CAN FUND IN FOR-PROFITS AS
19 COMPARED WITH NONPROFITS?

20 DR. MAXON: I THINK IT'S BASICALLY BECAUSE
21 THE OUTPUT OF THE TWO RESEARCH SECTORS IS DIFFERENT.
22 THE OUTPUT OF THE RESEARCH IN A NONPROFIT SECTOR IS
23 KNOWLEDGE. THAT'S THE EXPECTED OUTCOME. THE OUTPUT
24 EXPECTED FROM FOR-PROFIT RESEARCH IS PRODUCTS. AND AS
25 A CONSEQUENCE OF THAT, THERE ARE A NUMBER OF VERY

1 DIFFERENT STAGES OF RESEARCH INCLUDING BASIC RESEARCH
2 LIKE THE NONPROFITS, BUT ALSO PRECLINICAL RESEARCH SUCH
3 AS TOXICITY TESTING IN ANIMALS, ETC., AND, OF COURSE,
4 CLINICAL TRIALS. NOW, I DID SAY PRIMARILY BECAUSE IT
5 IS TRUE THAT NONPROFITS DO CLINICAL TRIALS. AND TO BE
6 FAIR, THE SCIENTIFIC STRATEGIC PLAN CLARIFIES THAT
7 CLINICAL TRIALS WILL BE FUNDED. SO I JUST WANT TO MAKE
8 IT CLEAR THAT FOR THE PURPOSES OF THIS TALK THE REASON
9 THAT THE DIFFERENT POLICY NEEDS EXIST IS LARGELY
10 BECAUSE WE HAVE A DIFFERENT SCENARIO HERE AS IT RELATES
11 TO INTELLECTUAL PROPERTY, NOT REALLY AS IT RELATES TO
12 THE SCIENCE, AS I CAN TELL YOU THAT OBVIOUSLY
13 NONPROFITS DO CLINICAL TRIALS TOO. IT'S DIFFERENT,
14 THOUGH, AS IT RELATES TO THE INTELLECTUAL PROPERTY
15 THAT'S CREATED. AND SO HOPEFULLY THAT ADDRESSES YOUR
16 QUESTION.

17 SO WHAT I CAN SHOW YOU HERE IS THE
18 DEVELOPMENT SCHEME FOR THE NON-PROFIT POLICY, AND THIS
19 SHOULD LOOK FAMILIAR BECAUSE I THINK YOU'VE SEEN THIS
20 BEFORE. WE STARTED IN OCTOBER OF 2005 WITH OUR VERY
21 FIRST IP TASK FORCE MEETING AND HAD A SERIES OF TOPICS
22 AND PRESENTATIONS THAT ARE LISTED AT THE BOTTOM OF THE
23 SLIDE. THERE WAS ALSO A LEGISLATIVE HEARING IN WHICH
24 WE PARTICIPATED ABOUT THE TOPIC OF INTELLECTUAL
25 PROPERTY SPONSORED BY SENATOR ORTIZ. IN DECEMBER OF

1 2005, THE NON-PROFIT PRINCIPLES WERE APPROVED.
2 THEREAFTER THE POLICY WAS DRAFTED, AND IT WAS PRESENTED
3 TO YOUR WORKING GROUP IN JANUARY ON THE 30TH OF 2006.

4 IN ADDITION, REGULATIONS WERE PREPARED
5 FOLLOWING THE FEBRUARY APPROVAL OF THE FORMAL ICOC'S
6 NON-PROFIT POLICY. THIS IS WHAT IT LOOKS FOR THE
7 FOR-PROFIT POLICY TIMELINE. OBVIOUSLY A LOT OF THE
8 COMPONENTS THAT WE ESTABLISHED IN THE NON-PROFIT POLICY
9 ARE RELEVANT TO THE FOR-PROFIT POLICY, BUT THERE ARE A
10 LOT OF OTHER DIFFERENT ISSUES TO DISCUSS, AS I POINTED
11 OUT.

12 WE BEGAN IN EARNEST OUR MEETINGS SPECIFICALLY
13 FOR THE FOR-PROFIT POLICY IN MARCH, AND WE HAD A SERIES
14 OF SPEAKERS FROM THE FOR-PROFIT SECTOR WHO WERE NOT
15 STEM CELL RESEARCH COMPANIES TO TALK TO US ABOUT THE
16 RECEIPT OF GRANTS FROM FUNDING ENTITIES JUST TO HEAR
17 GENERALLY ABOUT WHAT THE ISSUES WERE AND WHAT THE
18 RECOMMENDATIONS MIGHT BE.

19 AT THE APRIL TASK FORCE MEETING, WE ACTUALLY
20 SOLICITED INPUT FROM STEM CELL COMPANIES AND OTHER
21 PEOPLE, SO WE GOT THE NONSTEM CELL COMPANIES FIRST,
22 THEN SOME STEM CELL COMPANIES. AND LET ME ALSO SAY
23 THAT THIS IS AGAINST A BACKDROP OF OVER A HUNDRED
24 INTERVIEWS THAT WERE DONE IN ADDITION TO PUBLIC
25 MEETINGS.

1 IN JULY OF LAST YEAR, IN COLLABORATION WITH
2 OUR SCIENTIFIC STRATEGIC PLANNING, WE HELD WHAT WE CALL
3 A COMMERCIAL SECTOR CONFERENCE WHERE WE INVITED EIGHT
4 REPRESENTATIVES FROM THE FOR-PROFIT SECTOR TO GET
5 TOGETHER IN A PUBLIC FORUM AND ADDRESS THE ISSUES,
6 WHETHER THEY WERE ADULT STEM CELL COMPANIES OR
7 EMBRYONIC STEM CELL COMPANIES OR VENTURE CAPITALISTS,
8 TO TELL US IF CIRM WERE TO FUND THE FOR-PROFIT SECTOR,
9 WHAT DO YOU ALL AGREE WOULD ESSENTIALLY FLOAT ALL
10 BOATS? AND SO THAT'S WHEN WE GOT SOME VERY CLEAR
11 ADVICE FROM THE FOR-PROFIT SECTOR AS A UNIFIED FRONT
12 THAT WAS VERY PRODUCTIVE FOR US.

13 TO MAKE A LONG STORY SHORT, WE THEN
14 PRESENTED -- WE DRAFTED THE SECOND POLICY. IT WAS
15 PRESENTED TO YOUR WORKING GROUP, I BELIEVE, ON NOVEMBER
16 18TH BY ED PENHOET. AND IN DECEMBER OF 2006, THE ICOC
17 APPROVED THE FOR-PROFIT POLICY.

18 NOW, LET'S JUST COMPARE A LITTLE BIT THE
19 TIMELINES HERE JUST FOR YOUR EDIFICATION. THE
20 NONPROFIT POLICY WAS APPROVED IN FEBRUARY '06, AND THE
21 REGULATIONS THAT SPRANG FROM THAT POLICY WERE APPROVED
22 IN DECEMBER OF '06 WITH ONE EXCEPTION. AND I'LL TALK A
23 LITTLE BIT MORE ABOUT THAT. THE FOR-PROFIT POLICY WAS
24 APPROVED IN DECEMBER OF '06, AND THE REGULATIONS THAT
25 HAVE SPRUNG FROM THAT HAVE JUST COMPLETED THEIR 45-DAY

1 PUBLIC COMMENT PERIOD IN APRIL. SO WE'RE NOW -- SCOTT
2 IS SIFTING THROUGH THE PUBLIC COMMENT, AND WE'RE ABOUT
3 TO HAVE AN IP TASK FORCE MEETING LATER THIS MONTH TO
4 ADDRESS PUBLIC COMMENT.

5 SO WITH ONE EXCEPTION, THE PRICING BENCHMARK
6 CONTINUES TO BE A MAJOR CHALLENGE. I'LL TALK MORE
7 ABOUT THIS IN A MINUTE.

8 SO COMPONENTS OF THE FOR-PROFIT POLICY ARE
9 HERE. PRINCIPAL COMPONENTS INCLUDE OWNERSHIP, AND THE
10 OWNERSHIP IS EXACTLY AS IT IS FOR THE NON-PROFIT
11 POLICY. THAT IS TO SAY THAT THE GRANTEES WILL OWN
12 THEIR INTELLECTUAL PROPERTY, NOT CIRM. SIMILAR TO THE
13 NON-PROFIT REQUIREMENT, FOR-PROFIT GRANTEES WILL SHARE
14 PUBLICATION-RELATED BIOMEDICAL MATERIALS. THERE'S A
15 SLIGHT MODIFICATION TO THAT, AND WE CAN TALK ABOUT THAT
16 IF YOU'RE INTERESTED.

17 THERE IS ALSO A REVENUE SHARING REQUIREMENT
18 UNDER LICENSE AGREEMENTS. FOR THE NONPROFITS, IT'S 25
19 PERCENT. SO THAT'S 25 PERCENT OF THE GRANTEE
20 ORGANIZATION'S SHARE. AS YOU ARE PROBABLY WELL AWARE,
21 THE FEDERAL BAYH-DOLE ACT REQUIRES THAT IF FEDERAL
22 DOLLARS ARE USED TO SUPPORT A RESEARCH PROJECT AND
23 THERE'S A PATENTED INVENTION THAT'S CREATED AND THAT
24 PATENTED INVENTION IS LICENSED, THE GRANTEE
25 ORGANIZATION MUST SHARE WITH THE INVENTORS A FRACTION

1 OF THAT INCOME. DOESN'T SAY HOW MUCH, BUT IT SAYS THAT
2 THOSE INVENTORS MUST BE COMPENSATED. SO 25 PERCENT IS
3 WHAT THE STATE'S GENERAL FUND WILL RECEIVE OF THE
4 GRANTEE ORGANIZATION'S SHARE, NOT THE INVENTOR'S SHARE.
5 SO BASICALLY IT'S 25 PERCENT OF APPROXIMATELY
6 TWO-THIRDS BECAUSE USUALLY THE INVENTORS ARE
7 COMPENSATED A THIRD.

8 SO IN THE CASE OF THE FOR-PROFITS, 17 PERCENT
9 WOULD THEN BE THE EXACT SAME RETURN TO THE GENERAL FUND
10 GIVEN THAT IN THE FOR-PROFIT SECTOR INVENTORS ARE NOT
11 COMPENSATED.

12 REVENUE SHARING REQUIREMENTS ARE VERY
13 DIFFERENT IN THE FOR-PROFIT POLICY, AND I'LL TAKE YOU
14 THROUGH THAT IN MORE DETAIL. THE MARCH-IN REQUIREMENTS
15 ARE PRETTY MUCH EXACTLY AS THEY ARE FOR THE NONPROFITS.
16 THAT IS TO SAY, IF YOU DON'T EXECUTE ON THE INVENTION,
17 THEN THE CIRM WILL HAVE MARCH-IN RIGHTS TO MAKE SURE
18 THAT THE INVENTION IS PUT INTO PUBLIC USE.

19 THE ACCESS REQUIREMENTS, AND I'LL TALK MORE
20 ABOUT THESE TOO, ARE EXACTLY AS NON-PROFIT LICENSING
21 REQUIREMENTS ARE, AND THERE'S A LITTLE BIT OF EXTRA
22 STUFF FOR THE FOR-PROFITS BECAUSE THEY NOT ONLY
23 LICENSE, BUT THEY ALSO SELF-DEVELOP PRODUCTS. AND I'LL
24 TAKE YOU THROUGH THAT TOO.

25 SO LET'S TALK ABOUT SHARING. IN SUMMARY, OUR

1 POLICIES ARE HEAVILY FOCUSED ON SHARING, SHARING OF
2 DATA IN SCHOLARLY PUBLICATIONS, AND THIS IS WHY THIS IS
3 IN THE INTELLECTUAL PROPERTY POLICY. SCHOLARLY
4 PUBLICATIONS ARE COPYRIGHTED MATERIAL. COPYRIGHTED
5 MATERIAL IS INTELLECTUAL PROPERTY. PUBLICATION-RELATED
6 BIOMEDICAL MATERIALS MUST BE SHARED. THEY MUST BE
7 SHARED WITH CALIFORNIA RESEARCHERS. USE OF LICENSED
8 PATENTED INVENTIONS BY CIRM GRANTEES IS REQUIRED WHEN
9 THOSE INVENTIONS ARE LICENSED THROUGH WHAT'S CALLED THE
10 RIGHTS RETENTION CLAUSE. THAT IS TO SAY, IF USC
11 INVENTS A TECHNOLOGY AND THEY LICENSE IT AWAY, THEY
12 MUST RETAIN THE RIGHT TO USE THEIR OWN INVENTION FOR
13 THEIR NON-PROFIT RESEARCH PURPOSES. THAT IS TO SAY,
14 THEY CAN'T SELL AWAY, IF YOU WILL, THE RIGHTS TO THEIR
15 OWN INVENTIONS. IN ADDITION TO THAT, THEY MUST MAKE
16 AVAILABLE TO OTHER CIRM GRANTEES THAT TECHNOLOGY
17 WHENEVER THEY'RE REQUESTED. SO WHENEVER WE'VE
18 SUPPORTED A CIRM-FUNDED INVENTION, CIRM GRANTEES ARE
19 ALLOWED TO USE THAT INVENTION FOR NON-PROFIT RESEARCH
20 PURPOSES IN CALIFORNIA.

21 CHAIRMAN LO: MARY, COULD I ASK YOU? IS THAT
22 ONLY ON A CIRM-FUNDED GRANT, OR IS THAT FOR OTHER WORK
23 THEY'RE DOING NOT FUNDED BY CIRM?

24 DR. MAXON: SO THE WAY IT'S DEFINED IS IT'S
25 FOR USE BY CIRM GRANTEES. NOW, YOU COULD ASK WHAT'S A

1 CIRM GRANTEE? IS THAT A PAST GRANTEE, A PRESENT
2 GRANTEE, A FUTURE GRANTEE? THIS, I THINK, IS AN
3 INTERESTING QUESTION. BUT IT'S LOOSELY DEFINED FOR USE
4 BY CIRM GRANTEES. I WOULD ASSUME THAT CERTAINLY IF I'M
5 A CIRM GRANTEE, I HAVE A GRANT FROM CIRM SOMEWHERE, I
6 COULD ACTUALLY REQUEST THAT. WHETHER IT'S A BIOMEDICAL
7 MATERIAL OR PERMISSION TO USE A TECHNOLOGY, I WOULD
8 ASSUME THAT ONCE I AM NO LONGER A CIRM GRANTEE, I DON'T
9 RELINQUISH THE RIGHT TO USE THAT. THAT WOULD BE MY
10 ASSUMPTION. IT'S NOT CLARIFIED IN THE POLICY.

11 CHAIRMAN LO: YOU'RE TALKING ABOUT THE
12 GRANTEES, THE INDIVIDUAL INVESTIGATOR OR THE
13 INSTITUTION?

14 DR. MAXON: THE GRANTEE IS AN INSTITUTION
15 ALWAYS.

16 CHAIRMAN LO: SO ANYBODY AT UCSF WHO HAS AN
17 APPROVED PROTOCOL COULD USE THE --

18 DR. MAXON: LOOSELY DEFINED. I THINK THAT'S
19 WITHIN THE RIGHTS OF INTERPRETATION.

20 DR. TAYLOR: SO THE ONUS OF RESPONSIBILITY
21 FOR TRANSMITTING THOSE MATERIALS THEN FALLS ON THE CIRM
22 GRANTEE THAT INVENTED THEM EVEN IF THEY SELL OFF A
23 MAJOR BECAUSE THAT COULD BE A BIG PAIN, FRANKLY. IT IS
24 FOR MOST INVESTIGATORS. SOMEBODY WANTS YOUR CELL LINE,
25 YOU'VE GOT TO PUT IT IN THE ENVELOPE, YOU'VE GOT TO

1 SEND IT TO THEM, YOU'VE GOT TO COVER THE COSTS OF ALL
2 OF THAT, OR SOMEHOW TRY TO RECOVER THEM. SO THIS IS
3 SOMETHING THAT'S NOT GOING TO GO WITH THE LICENSE.
4 IT'S SOMETHING THAT'S GOING TO STAY WITHIN THE
5 INSTITUTION. SO THE INSTITUTIONS NEED TO PROTECT
6 THEMSELVES, IT WOULD SEEM TO ME.

7 DR. MAXON: YES. THERE ARE TWO ISSUES HERE.
8 ONE IS BIOMEDICAL -- PUBLICATION-RELATED BIOMEDICAL
9 MATERIALS SHARING. THAT'S, I THINK, BY AND LARGE WHAT
10 YOU'RE TALKING ABOUT AS A MAJOR BURDEN FOR RESEARCHERS.

11 NOW, WHAT WE'VE DONE, AND THIS IS WHERE I
12 SAID WE COULD TALK ABOUT HOW IT'S A LITTLE BIT
13 DIFFERENT FOR FOR-PROFITS THAN NONPROFITS, BUT WHAT
14 WE'VE DONE GENERALLY IS TO SAY IF YOU MAKE THE WORLD
15 AWARE OF A BIOMEDICAL MATERIAL THAT WAS FIRST CREATED
16 AND ANNOUNCED AS A FUNCTION OF ITS PUBLICATION IN A
17 SCIENTIFIC ARTICLE, YOU MUST SHARE THAT
18 PUBLICATION-RELATED BIOMEDICAL MATERIAL WITHIN 60 DAYS
19 OF RECEIPT OF REQUEST AND WITHOUT BIAS AS TO THE
20 AFFILIATION OF THE REQUESTER.

21 SO WHAT THAT MEANS IS YOU HAVE TO SHARE IT.
22 IF YOU GET A REQUEST, 60 DAYS, YOU GOT TO SHARE IT. IN
23 THE EVENT OF A BURDENSOME SITUATION, WHETHER IT'S AN
24 ANTIBODY OR A CELL LINE OR WHATEVER IT IS, THE GRANTEE
25 HAS AN OPTION, AN OPPORTUNITY, TO APPEAL TO THE CIRM TO

1 SAY HELP ME. AND THE CIRM WILL HELP DEFRAY THAT BURDEN
2 EITHER BY RECRUITING, LET'S SAY, A COMPANY TO PRODUCE
3 IT AND TO DISTRIBUTE IT OR BY ANOTHER MECHANISM. BUT
4 THE GOAL IS NOT TO BURDEN THE GRANTEES WITH THIS.

5 IN ADDITION, THE RIGHT TO USE CIRM-FUNDED
6 PATENTED INVENTIONS, WHICH IS WHAT WE'RE TALKING ABOUT
7 IN THE RIGHTS RETENTION CLAUSE, WILL APPLY SOMETIMES TO
8 BIOMEDICAL MATERIALS, PROBABLY MOST TIMES TO
9 TECHNOLOGIES THAT GET INVENTED AND LICENSED AWAY. BUT
10 YOU'RE RIGHT. THE RIGHTS TO USE THAT ARE EMBODIED IN
11 THE MANDATE FROM THE REGULATION FOR THE GRANTEE TO
12 ALLOW ALL OTHER CIRM GRANTEES TO USE THAT. THE
13 QUESTION REALLY BECAME WHY NOT SHARE EVERY CIRM-FUNDED
14 PATENTED INVENTION WITH ANYBODY WHO WANTS TO USE IT?
15 THAT'S A DIFFERENT ISSUE ALTOGETHER. THAT'S A RESEARCH
16 USE EXEMPTION, WHICH WE ORIGINALLY STARTED OUT HAVING
17 IN THE POLICY AND ACTUALLY TOOK OUT.

18 REVENUES. REVENUES FROM CIRM-FUNDED PROJECTS
19 HAVE BEEN SPECIFICALLY TAILORED IN THE FOR-PROFIT
20 POLICY TO ACCOUNT FOR THAT DIFFERENT FLOW CHART, THE
21 DIFFERENT KIND OF FUNDING OPPORTUNITIES. I'LL TAKE YOU
22 THROUGH THAT TOO. SO THIS IS THE DIAGRAM THAT I SHOWED
23 YOU. ON THE RIGHT WHAT YOU CAN SEE IS THESE DIFFERENT
24 POLICY NEEDS ARE A FUNCTION OF SOME VERY COMPLICATED
25 ISSUES, INCLUDING PROPORTIONALITY ISSUES. FOR EXAMPLE,

1 IF CIRM GRANTS \$100,000 TO A FOR-PROFIT ENTITY TO
2 CREATE A BASIC RESEARCH SCIENCE OPPORTUNITY WITHIN THAT
3 COMPANY, AND ULTIMATELY THAT RESEARCH PROJECT GOES ON
4 TO GIVE RISE TO A COMMERCIALY SUCCESSFUL PRODUCT AS
5 DEFINED BY INCOME, NOT PROFITS, REVENUES THAT COME IN,
6 THEN UNDER THAT CASE, YOU COULD IMAGINE THAT CIRM WOULD
7 HAVE GIVEN \$100,000 TO SOMETHING WHICH MAY HAVE COST
8 800 MILLION TO CREATE.

9 IT'S REALLY HARD FOR US TO LOOK AT A
10 FOR-PROFIT ENTITY AND SAY, OKAY. NOW YOU'VE GOT TO
11 GIVE US BACK 2 PERCENT ROYALTIES OR SOMETHING OF THAT
12 NATURE. THE PROPORTIONALITY ISSUE OF THE INVESTMENT
13 WITH REGARD TO WHAT IT TAKES TO MAKE THE PRODUCT IS A
14 SIGNIFICANT ISSUE IN THE FOR-PROFIT SECTOR. TIME AND
15 TIME AND TIME AGAIN WE HEARD THIS IN INTERVIEWS, IN
16 PUBLIC MEETINGS, THROUGH PUBLIC COMMENT, WRITTEN PUBLIC
17 COMMENT. THIS IS AN ISSUE.

18 THERE ARE MULTIPLE REVENUE TYPES, AS I
19 EXPLAINED. LICENSING REVENUE, ALSO REVENUES FROM
20 MARKETED PRODUCTS, SO WE HAD TO TAKE THAT INTO
21 CONSIDERATION. EXTANT PATENTS. SO FAR I'VE TALKED TO
22 YOU ABOUT WHAT IF CIRM FUNDS GO TO GIVE RISE TO A
23 CIRM-FUNDED PATENTED INVENTION WHICH DIDN'T EXIST
24 BEFORE? THAT'S EASY BECAUSE OUR NON-PROFIT POLICY
25 LINKS EVERYTHING TO A PATENTED INVENTION. OUR

1 FOR-PROFIT POLICY WOULD BE REMISS IF IT DID ONLY THAT
2 BECAUSE YOU CAN IMAGINE IF YOU LOOK AT THE PRODUCT
3 DEVELOPMENT BOX THERE, WE'RE TALKING ABOUT CLINICAL
4 TRIALS. IF WE WERE TO GIVE A COMPANY A MILLION DOLLARS
5 TO DO A CLINICAL TRIAL, AND THEY WERE PROSECUTING THEIR
6 EXTANT INTELLECTUAL PROPERTY, THEIR OWN PATENTS, THEN
7 IF WE LINKED IT STRICTLY TO A PATENT, WE WOULDN'T
8 NECESSARILY EXPECT A PATENT TO BE CREATED DURING A
9 CLINICAL TRIAL. WE EXPECT A CLINICAL TRIAL TO BE
10 CREATED DURING CLINICAL TRIALS.

11 SO IN THAT CASE WE HAD TO BE VERY -- WE HAD
12 TO BE COGNIZANT OF THE FACT THAT LINKING EVERYTHING TO
13 A PATENTED INVENTION MAY SHORTCHANGE THE STATE IN THE
14 WAY OF REVENUES RETURNED.

15 SHARING OF REAGENTS WE JUST TALKED ABOUT.
16 IT'S A LITTLE BIT COMPLICATED BECAUSE IN THE CASE OF A
17 FOR-PROFIT ENTITY, I TOLD YOU THAT THE NON-PROFIT
18 POLICY SAYS YOU MUST SHARE WITHOUT AFFILIATION -- YOU
19 CAN'T HAVE BIAS AS TO THE AFFILIATION OF THE REQUESTER.
20 IN THE COMPANY SETTING, THAT'S EXTREMELY CHALLENGING
21 BECAUSE THERE ARE OCCASIONS WHERE IF THEY WERE FORCED
22 TO SHARE, THEIR COMPETITIVE EDGE WOULD BE LOST. THEY
23 WOULD HAVE NO PRODUCT IN THE END IF THEY WERE FORCED TO
24 SHARE THAT REAGENT. SO WE HAVE A VERY SUBTLE CHANGE IN
25 THE POLICY THAT SAYS YOU NEED TO CONTACT US IF YOU

1 BELIEVE THAT SHARING WILL COMPROMISE YOUR COMPETITIVE
2 ADVANTAGE. DOESN'T SAY WE'LL LET THEM GET AWAY WITH
3 IT. IT SAYS THEY NEED TO CONTACT US.

4 ALSO OF GREAT CONCERN IN DEVELOPING THIS
5 POLICY WAS THE ISSUE OF CONTRACTS, GRANTS, AND LOANS
6 ARE ALL THINGS THAT THE FOR-PROFIT SECTOR CAN AVAIL
7 THEMSELVES OF UNDER PROPOSITION 71. SO I'LL SHOW YOU
8 NOW WHAT WE LOOKED AT IN TERMS OF PROPOSED PRINCIPLES
9 AND HOW THEY WERE MODIFIED OVER THE SUMMER. YOU CAN
10 SEE THE PROPOSED PRINCIPLES APPROVED BY THE TASK FORCE
11 IN AUGUST SAY THE GRANTEES WILL OWN THEIR IP. THE
12 PUBLICATION REQUIREMENTS WILL BE THE SAME AS THE
13 NON-PROFIT POLICY. BIOMEDICAL MATERIALS RELATED TO
14 PUBLICATIONS ALWAYS WILL BE SHARED AS THEY ARE IN THE
15 NONPROFIT POLICY.

16 YOU CAN SEE GRAYED OUT THERE, WHICH IT WAS
17 REJECTED, WAS THAT A COMMERCIAL ENTITY COULD CHOOSE AT
18 THE TIME OF APPROVAL OF THEIR APPLICATION WHETHER THEY
19 WOULD LIKE A GRANT OR A LOAN. SO THIS WAS A TOPIC FOR
20 A LOT OF DEBATE. IT WAS REMOVED, SO OUR POLICY HAS
21 NOTHING TO DO WITH LOANS AT THIS TIME.

22 IF THE COMMERCIAL ENTITY CHOOSES TO LICENSE,
23 17 PERCENT VERSUS 25 FOR ALL THE REASONS I EXPLAINED.
24 FOR GRANTS, IF THE COMMERCIAL ENTITY CHOOSES TO
25 DEVELOP, PAYBACK WILL BE CONDITIONED UPON SUCCESS WITH

1 A MULTIPLE OF FUNDING. NOW, WE'LL TALK ABOUT THAT IN
2 DETAIL IN THE NEXT SLIDE. NOT A FLAT ROYALTY
3 STRUCTURE. A MULTIPLE OF FUNDING.

4 LOANS, AGAIN, GRAYED OUT IN TERMS OF PAYBACK.
5 THAT'S WHAT THAT MEANS. FOR GRANTS AND LOANS, A
6 ONETIME BLOCKBUSTER PAYMENT OF X WILL BE RETURNED TO
7 THE GENERAL FUND AFTER REVENUES EXCEED X. SO YOU CAN
8 SEE WE HAD A LOT OF WORK TO DO AROUND THIS AREA. BUT A
9 BLOCKBUSTER, WE WANTED TO MAKE SURE IF A PRODUCT DID
10 REALLY WELL, WE WANTED TO MAKE SURE THAT THE STATE
11 COULD BENEFIT FROM THAT TOO.

12 SO HERE'S THE TRICKY PART. I TALKED TO YOU A
13 LITTLE BIT ABOUT THE PROPORTIONALITY ISSUE. FOR GRANTS
14 WHERE CIRM FUNDING REPRESENTS MORE THAN WHAT PERCENT OF
15 THE INVENTION OR PROJECT WOULD WE REQUIRE A COMPANY TO
16 PROVIDE GOODS TO THE UNINSURED, PROVIDE PRODUCTS TO
17 PEOPLE WHOSE PRODUCTS WILL BE PAID FOR IN CALIFORNIA
18 WITH PUBLIC FUNDS? AT WHAT PERCENTAGE WOULD WE BE
19 APPROPRIATELY ENABLED TO GET THE COMPANIES TO DO THAT?
20 IF WE GAVE THEM \$100,000 AND THEY SPENT 500 MILLION, IS
21 THAT THE RIGHT PLACE TO BE? IS IT FIRST DOLLAR? IS IT
22 50 PERCENT? THIS IS WHERE ALL THE INTERVIEWS WITH
23 OTHER FUNDING ENTITIES THAT FUND FOR-PROFIT SECTOR AND
24 GET REVENUES WERE VERY HELPFUL.

25 SO LET'S TAKE A LOOK HERE JUST FOR

1 COMPARISON. THE NON-PROFIT, THEY LICENSE AND THE STATE
2 PROPOSES TO GET 25 PERCENT OF THE REVENUES AFTER THE
3 INVENTORS ARE PAID. THERE'S ALSO A PLAN FOR ACCESS.
4 I'LL TELL YOU WHAT THAT IS IN A MINUTE. YOU MUST SHARE
5 PUBLICATION-RELATED BIOMEDICAL MATERIALS. AND WE DON'T
6 ANTICIPATE THAT A NON-PROFIT ENTITY WILL EVER DEVELOP A
7 PRODUCT TO COMMERCIAL SUCCESS. UNDER THE FOR-PROFIT
8 POLICY, LICENSING, AGAIN, 17 PERCENT RATHER THAN 25,
9 BUT IT'S THE EXACT SAME AMOUNT BACK INTO THE GENERAL
10 FUND. WE WANT IT TO BE FAIR UNDER THE TERMS OF
11 LICENSING. ALSO REQUIRED IS AN ACCESS PLAN. I'LL GO
12 INTO THAT IN DETAIL IN A MINUTE. SHARING OF
13 PUBLICATION-RELATED BIOMEDICAL MATERIALS IS REQUIRED
14 UNLESS SUCH SHARING CAN BE SHOWN TO DAMAGE THE COMPANY.
15 THAT'S THE SLIGHT DIFFERENCE.

16 NOW, SELF-DEVELOPMENT IS POSSIBLE. NOT ONLY
17 IS IT POSSIBLE, IT'S DESIRABLE FOR THE STATE OF
18 CALIFORNIA. WE WOULD MUCH RATHER HAVE THESE COMPANIES
19 DO WHAT'S CALLED FORWARD INTEGRATION. TAKE THAT
20 INVENTION AND TAKE IT ALL THE WAY THROUGH RESEARCH,
21 MANUFACTURING, AND MARKETING IN CALIFORNIA RATHER THAN
22 LICENSE IT AWAY TO ANOTHER STATE. SO BECAUSE OF THAT,
23 WE TIERED THE REVENUE SHARING STRATEGIES AROUND THAT
24 CENTRAL TENET OF SELF-DEVELOPMENT.

25 SO I CAN TELL YOU BRIEFLY AND THEN I'LL SHOW

1 YOU ON THE NEXT SLIDE THAT THE EXPECTED RETURN IS
2 PROPOSED AT A CAPPED THREE TIMES THE AMOUNT OF THE
3 GRANT. IF WE GIVE YOU A MILLION DOLLARS, IF YOUR
4 PRODUCT IS SUCCESSFUL IN THE END, WE'LL EXPECT \$3
5 MILLION BACK. HOWEVER, IF YOUR PRODUCT IS EXTREMELY
6 SUCCESSFUL, AND THAT IS IT ACHIEVES A STATUS OF \$250
7 MILLION PER YEAR, YOU WILL OWE THE STATE ANOTHER THREE
8 TIMES THE INVESTMENT FOR A SIX TIMES RETURN ON THE
9 INVESTMENT. IF IT MAKES THE \$500,000 REVENUE MARK PER
10 YEAR, THEN ANOTHER THREE TIMES, FOR A TOTAL OF NINE
11 TIMES THE ORIGINAL INVESTMENT IS WHAT'S REQUIRED.

12 NOW, THERE'S A LITTLE BIT OF ANOTHER
13 COMPLICATION HERE, AND I'LL SHOW YOU THIS AGAIN, AS I
14 MENTIONED, ON THE NEXT SLIDE IN DIAGRAMMATIC FORM. IF
15 CIRM INVESTED MORE THAN \$5 MILLION AND THERE'S A
16 CIRM-FUNDED PATENTED INVENTION INVOLVED, THEN OVER \$500
17 MILLION THERE WILL BE 1-PERCENT ROYALTY FOR THE LIFE OF
18 THE PATENT. THIS, AGAIN, IS TO MAXIMIZE THE RETURN TO
19 THE STATE IN THE EVENT THAT SOMETHING DOES WELL AND IN
20 THE EVENT THAT CIRM INVESTED SIGNIFICANTLY.

21 SO, LASTLY, THERE YOU CAN SEE THAT THE ACCESS
22 TRIGGER IS AT FIRST DOLLAR. WHAT THAT MEANS IS IF
23 YOU'RE A COMPANY AND YOU TAKE \$1 OF CIRM FUNDS AND THAT
24 GOES ON TO CREATE A MARKETED PRODUCT THAT BRINGS IN
25 REVENUES, BECAUSE YOU SPENT \$1, YOU MUST PROVIDE ACCESS

1 TO UNINSURED AND YOU MUST PROVIDE GOODS AT DISCOUNT
2 PRICES TO CALIFORNIANS WHOSE THERAPIES WILL BE
3 PURCHASED IN CALIFORNIA WITH PUBLIC FUNDS.

4 SO HERE IT IS A LITTLE BIT MORE LAID OUT IN
5 BLACK AND WHITE. FOR THE FOR-PROFIT ENTITIES, IF THEY
6 LICENSE IT AWAY, THE LICENSEES MUST PROVIDE THOSE
7 COMMERCIAL PRODUCTS TO -- THERE MUST BE A PLAN TO
8 PROVIDE THOSE COMMERCIAL PRODUCTS TO UNINSURED
9 CALIFORNIANS. ALSO, THE FOR-PROFIT RESEARCHERS
10 THEMSELVES MUST DO THE SAME THING, NOT JUST FOR
11 LICENSEES, BUT THEY MUST ALSO DO IT IF THEY
12 SELF-DEVELOP A PRODUCT.

13 LICENSEES OF PATENTED INVENTIONS MUST ALSO
14 PROVIDE THOSE COMMERCIAL PRODUCTS AT A DISCOUNT PRICE
15 FOR CALIFORNIANS. THAT'S FOR LICENSEES. ALSO, THE
16 FOR-PROFIT COMPANIES THEMSELVES DO THAT IF THEY
17 SELF-DEVELOP A PRODUCT.

18 SO IF YOU LOOK AT THE DIAGRAM I'M ABOUT TO
19 SHOW YOU, YOU CAN SEE THAT THERE ARE A BUNCH OF
20 DIFFERENT VARIABLES THAT WERE FACTORED INTO THE REVENUE
21 SHARING SCHEME, WHETHER IT'S EXTANT PATENT PROSECUTION
22 OR CIRM-FUNDED PATENT PROSECUTION, LICENSING VERSUS
23 SELF-DEVELOPMENT. A TIER FOR SUCCESS. IF THERE'S A
24 BLOCKBUSTER PRODUCT, THE STATE WILL GET MORE. THERE'S
25 ALSO AN INVESTMENT THRESHOLD WITH REGARD TO WHETHER

1 IT'S A SIGNIFICANT INVESTMENT, \$5 MILLION OR LESS. AND
2 THAT'S ALSO, THIS IS AN IMPORTANT POINT, THAT THIS
3 POLICY PROVIDES AN OPPORTUNITY FOR A CAPPED RETURN,
4 WHICH IS WHAT COMPANIES NEED. THEY NEED CERTAINTY IN
5 ORDER TO INVEST -- IN ORDER TO ATTRACT OTHER INVESTORS
6 TO FURTHER THE PROGRESS OF THEIR PRODUCTS ALONG THAT
7 DEVELOPMENT PATH. BUT THERE'S ALSO AN UNCAPPED ASPECT
8 TO THIS TOO. IT'S UNCAPPED WITH REGARD TO LICENSING,
9 JUST LIKE THE NONPROFITS, AND IT'S UNCAPPED IN THE
10 EVENT THAT THERE IS A PATENT INVOLVED IN TERMS OF A
11 1-PERCENT ROYALTY.

12 LET'S TAKE A LOOK AT THIS DIAGRAM I TOLD YOU
13 ABOUT JUST TO MAKE SURE THAT WE ALL UNDERSTAND HOW THIS
14 WORKS. SO FOR-PROFIT GRANTEES WILL RETURN THREE TIMES
15 THE TOTAL GRANT AWARD AFTER REVENUES EXCEED \$500,000.
16 THIS IS JUST LIKE FOR NONPROFITS. NONPROFITS ARE
17 ALLOWED TO KEEP \$500,000 TO RECOVER COST FOR THE
18 PATENTING, AND THEN THEY GIVE US THEIR 25 PERCENT. SO
19 THAT COMES FROM THE EARLIER PROVISIONS FROM THE
20 NONPROFIT POLICY. IF BLOCKBUSTER STATUS IS ACHIEVED,
21 LOOK TO THE LEFT, AND THERE'S LESS THAN \$5 MILLION
22 INVESTED, IT WILL BE \$250 MILLION PER YEAR AS A
23 BLOCKBUSTER. THAT'S EQUIVALENT TO ANOTHER THREE TIMES
24 EXPECTATION. AND OVER 500 MILLION PER YEAR, SAME
25 THING, FOR A TOTAL OF NINE TIMES THE RETURN IF LESS

1 THAN FIVE MILLION IS INVESTED.

2 ON THE RIGHT SIDE, IF MORE THAN FIVE MILLION
3 IS INVESTED AND THERE ARE NO CIRM-FUNDED PATENTS
4 INVOLVED, IT'S THE SAME AS IT IS FOR THE LEFT-HAND
5 SIDE. IF FIVE MILLION IS INVESTED OR MORE, AND IF
6 THERE'S A CIRM-FUNDED PATENT INVOLVED, THEN YOU CAN SEE
7 THE REVENUE STRUCTURE IS EXACTLY THE SAME WITH ONE
8 DIFFERENCE. THAT IS, OVER \$500 MILLION PER YEAR,
9 THERE'S A 1-PERCENT ROYALTY ON EVERYTHING OVER 500
10 MILLION FOR THE LIFE OF THE PATENT. SO THIS IS A
11 COMPLICATED REVENUE SHARING SCHEME. WE THINK THAT IT
12 TAKES INTO ACCOUNT THE LICENSING REVENUES THAT
13 COMPANIES WILL GET, THE SELF-DEVELOPED PRODUCT REVENUES
14 THAT COMPANIES WILL GET, AND IT TAKES INTO ACCOUNT THE
15 MANY VARIABLES, CIRM'S INVESTMENT, WHETHER THERE WAS A
16 PATENT INVOLVED OR NOT, ETC. SO THERE ARE A NUMBER OF
17 VARIABLES THAT GAVE RISE TO THIS RATHER COMPLICATED
18 BUT, WE THINK, FAIR SCHEME.

19 DR. TAYLOR: IS THAT 1 PERCENT INDEPENDENT OF
20 THE PROPORTIONALITY OF FUNDING THAT CAME FROM CIRM?

21 DR. MAXON: THAT'S AN EXCELLENT QUESTION. IT
22 CAN'T BE. SO IF WE FUND IT ALL, THEN WE GET ALL OF 1
23 PERCENT. BUT IF WE FUNDED 10 PERCENT OF IT AND THE
24 COMPANY FUNDED THE 10 PERCENT, IT GETS REALLY TRICKY.
25 SO WE DO HAVE THE RIGHT FOR ACCOUNTING OF ALL OF THESE

1 THINGS, WHETHER THERE'S PROPORTIONALITY OF CIRM'S
2 INVESTMENT INTO PROJECTS IS EXPECTED THROUGH COMPANIES
3 AND CIRM'S AUDITING FUNCTION WITH RESPECT TO REVENUES
4 THAT COME IN. SO WE WILL KNOW UP FRONT BEFORE THIS
5 THING EVER MAKES IT TO A PATENTED INVENTION HOW MUCH OF
6 CIRM'S MONEY WENT INTO THAT PATENTED INVENTION BASED ON
7 THEIR DISCLOSURES, AND WE CAN AUDIT IT AT THAT STAGE OF
8 THE GAME TO MAKE SURE WAY BEFORE IT GETS TO A MARKETED
9 PRODUCT THAT THE NUMBERS MAKE SENSE.

10 SO THE ACCESS PLAN. AT THE TIME OF
11 COMMERCIALIZATION, FOR-PROFIT GRANTEES WILL PROVIDE A
12 PLAN FOR ACCESS TO RESULTANT THERAPIES FOR UNINSURED
13 CALIFORNIA RESIDENTS. I MENTIONED THIS ALREADY. THIS
14 IS TRUE FOR LICENSEES. THIS IS TRUE FOR COMPANIES THAT
15 GO THROUGH AND DEVELOP THESE THINGS THEMSELVES. THEY
16 MUST ALSO PROVIDE DISCOUNT PRICING FOR THERAPIES TO
17 CALIFORNIA RESIDENTS WHOSE THERAPIES WILL BE PURCHASED
18 WITH PUBLIC FUNDS. HERE'S SOMETHING I HAVEN'T
19 MENTIONED TO YOU. IN THE UNFORTUNATE EVENT OF LIMITED
20 THERAPEUTIC AVAILABILITY, PREFERENCE WILL BE GIVEN TO
21 CALIFORNIA RESIDENTS WHEREVER POSSIBLE. THAT'S ANOTHER
22 WAY THAT CALIFORNIANS CAN BENEFIT THROUGH THIS ACCESS
23 PLAN. AND THE ABOVE ACCESS REQUIREMENTS ARE TRIGGERED
24 AS A CONSEQUENCE OF FIRST DOLLAR SPENT. SO THAT'S IN
25 SUMMARY WHAT THE ACCESS PLANS LOOK LIKE.

1 AT THE TIME OF THE TASK FORCE DISCUSSIONS,
2 THERE WERE A NUMBER OF THINGS THAT NEEDED TO BE
3 CLARIFIED. SO WHY IS THERE A CAP ON THE FOR-PROFITS
4 AND NO CAP ON THE NONPROFITS? HOPEFULLY I'VE EXPLAINED
5 THAT. IT'S NOT STRICTLY TRUE. THAT'S NOT STRICTLY
6 TRUE. THERE IS A CAP FOR THE THREE TIMES INVESTMENT.
7 THERE IS NO CAP ON LICENSING REVENUES JUST LIKE FOR THE
8 NONPROFITS. IT'S EXACTLY THE SAME.

9 WHY IS THERE 17-PERCENT RETURN, AND IS IT
10 RELATED TO THE \$500,000 THRESHOLD? SO IT'S 17 PERCENT
11 INSTEAD OF 25 PERCENT BECAUSE IT'S EQUIVALENT TO THE
12 SAME AMOUNT INTO THE GENERAL FUND. AGAIN, FAIRNESS
13 ACROSS OUR GRANTEES. IT IS AFTER THE \$500,000
14 THRESHOLD. AGAIN, JUST LIKE FAIRNESS TO THE NON-PROFIT
15 GRANTEES.

16 WHAT IF THE REQUEST FOR PUBLICATION-RELATED
17 BIOMEDICAL MATERIAL COMES FROM A COMPETITOR? DOESN'T
18 MATTER. YOU HAVE TO SHARE IT UNLESS YOU CAN MAKE A
19 CASE TO THE CIRM THAT THERE IS A REAL DANGER THAT YOUR
20 COMPANY WILL BE DAMAGED AS A CONSEQUENCE OF THIS.

21 WHO REVIEWS AND APPROVES EXCLUSIVE LICENSES
22 BY AWARDEES? CIRM DOES NOT. THOSE CONFIDENTIAL
23 DETAILS ARE KEPT WITHIN THE LICENSEE AND THE GRANTEE.
24 THOSE DETAILS ARE COMPETITIVE -- ARE UNDER A
25 CONFIDENTIALITY AND ARE STRICTLY KEPT BETWEEN THE TWO.

1 WE'RE NOT THE THIRD PARTY THAT LOOKS AT OR APPROVES
2 THEM.

3 IS THE BLOCKBUSTER PAYMENT THE RIGHT SIZE?
4 WHO KNOWS? BUT SO FAR IT SEEMS TO BE. BLOCKBUSTERS,
5 BY THE WAY, FOR DRUGS ARE ON THE ORDER OF A BILLION
6 DOLLARS. WE THINK FOR CELLULAR THERAPIES, IT'S HARD TO
7 KNOW, SO OUR STAKE IN THE GROUND IS 250 MILLION PER
8 YEAR.

9 THRESHOLD FOR ACCESS AND PRICING TRIGGER ON
10 SELF-DEVELOPED PRODUCTS. \$1, THAT'S THE THRESHOLD.

11 SO FURTHER DISCUSSION AND RESOLUTION, WE HAVE
12 A BIG CHALLENGE. FIND AND FINALIZE LANGUAGE FOR A
13 PRICING BENCHMARK. I SORT OF FINESSED THE WHOLE THING
14 BY TELLING YOU THAT THEY HAVE TO PROVIDE THESE THINGS
15 AT DISCOUNT PRICES. WELL, WHAT DOES THAT MEAN? IT
16 MEANS THAT WE NEED TO FIND CLEAR LANGUAGE FOR THE
17 REGULATIONS THAT WILL INFORM THE REGULATED COMMUNITY
18 WHAT THEY NEED TO DO IN TERMS OF PRICING FOR THOSE
19 PRODUCTS.

20 ORIGINALLY WE STARTED WITH THE FEDERAL
21 MEDICAID PRICE. SOUNDED RIGHT. NOT TO EXCEED FEDERAL
22 MEDICAID PRICE. WE THOUGHT THIS IS GREAT. WE CAN TAG
23 ONTO SOMETHING THAT EXISTS ALREADY IN THE FEDERAL
24 INFRASTRUCTURE AND IT MAKES SENSE FOR THE FEDERAL
25 GOVERNMENT. WE CAN USE SOMETHING SIMILAR. HUGE

1 AMOUNTS OF HOMEWORK ON SCOTT'S PART HAVE DETERMINED
2 THAT THE FEDERAL MEDICAID PRICE IS NOT A WORKABLE
3 SOLUTION UNFORTUNATELY AND HERE'S WHY.

4 FEDERAL MEDICAID PRICE, THIS IS A LITTLE BIT
5 COMPLICATED, SO I'M GOING TO TRY TO SIMPLIFY IT. IF I
6 GET INTO TROUBLE, SCOTT'S HERE. HE KNOWS WAY MORE
7 ABOUT THIS THAN I DO.

8 FEDERAL MEDICAID PRICE IS CALCULATED LONG
9 AFTER THE PRODUCT IS SOLD. BASICALLY THAT MEANS EVEN
10 IF WE WANTED THE REGULATED COMMUNITY, THE COMPANY, TO
11 PROVIDE THE FEDERAL MEDICAID PRICE FOR A PRODUCT, THEY
12 CAN'T DO IT BECAUSE TODAY IN TIME THERE IS NO SUCH
13 THING. IT'S CALCULATED AFTER THE FACT. AND IT'S A
14 FORMULA THAT EXISTS IN FEDERAL STATUTES, AND IT'S
15 DEPENDENT ON A LARGE NUMBER OF THINGS. IT'S DEPENDENT
16 ON HAVING A SIGNIFICANT FEDERAL HEALTHCARE DELIVERY
17 SYSTEM INFRASTRUCTURE TO DO THIS. SO THAT'S A BIG
18 CONSIDERATION FOR CIRM.

19 WHAT THAT INFRASTRUCTURE DOES IS SURVEYS A
20 LOT OF DIFFERENT PURCHASERS TO FIND OUT WHAT DID THEY
21 BUY THAT PRODUCT FOR? THEN THEY CALCULATE AN AVERAGE
22 MANUFACTURER'S PRICE. ONCE THAT AVERAGE MANUFACTURER'S
23 PRICE IS CALCULATED, THEN THE FEDERAL GOVERNMENT TAKES
24 A 15.1-PERCENT REDUCTION CALCULATION ON THAT, AND THEN
25 LOOKS AT THAT NUMBER AND TAKES INTO ACCOUNT THE

1 CONSUMER PRICE INDEX TO UNDERSTAND WHETHER A FURTHER
2 REBATE NEEDS TO BE ADDED. AND FINALLY, THERE'S A
3 REBATE FROM THE MANUFACTURER TO THE FEDERAL GOVERNMENT.
4 HAPPENS LONG AFTER THE DRUGS OR PRODUCTS HAVE BEEN
5 SOLD.

6 SO THAT'S PART OF THE PROBLEM WITH
7 FEASIBILITY. THE FEDERAL MEDICAID PRICE TODAY DOESN'T
8 EXIST. IT WILL EXIST RETROSPECTIVELY ESSENTIALLY.

9 ANOTHER PROBLEM IS IF OUR REGULATION, AND IT
10 DOES, SAYS THAT THIS IS ELIGIBLE FOR PEOPLE WHOSE
11 THERAPIES WILL BE PURCHASED IN CALIFORNIA WITH PUBLIC
12 FUNDS, THERE'S NO WAY UNDER THIS FEDERAL MEDICAID PRICE
13 FOR THE ELIGIBILITY REQUIREMENT TO BE MET BY THE
14 REGULATED PARTY. IT'S JUST NOT GOING TO WORK. AND SO
15 CIRM IS LOOKING TO A STATE SYSTEM SUCH AS CALRX TO HELP
16 US OUT WITH THIS. WE THINK THAT'S A GOOD SOLUTION, BUT
17 IT ONLY WORKS FOR DRUGS. WE'RE TALKING ABOUT DRUGS AND
18 NONDRUG THERAPIES. SO WE STILL HAVE A LOT OF WORK TO
19 DO TO TRY TO FIGURE OUT HOW CAN WE PROVIDE CLEAR
20 LANGUAGE TO THE REGULATED COMMUNITY SUCH THAT THEY WILL
21 BE ABLE TO PROVIDE NONDRUG THERAPIES, CELLULAR
22 THERAPIES, TO PEOPLE IN CALIFORNIA WHOSE THERAPIES WILL
23 BE PURCHASED WITH PUBLIC FUNDS. WE ARE WORKING VERY
24 HARD TO DO THAT.

25 SCOTT ORGANIZED AN INTERESTED PARTIES MEETING

1 IN SACRAMENTO ON APRIL 9TH, AND WE GOT TO HEAR FROM A
2 LOT OF PEOPLE HOW CAN WE HELP WORK ON THIS LANGUAGE TO
3 MAKE IT WORK.

4 I'M GOING TO SHIFT GEARS UNLESS YOU HAVE SOME
5 QUESTIONS ABOUT THE POLICIES.

6 DR. KIESSLING: HAVE ANY FOR-PROFIT ENTITIES
7 SIGNED ONTO THIS AS A CONCEPT? I'M BEGINNING TO WONDER
8 WHY A FOR-PROFIT ENTITY IN CALIFORNIA WOULD WANT CIRM
9 MONEY.

10 DR. MAXON: THAT'S EXACTLY THE QUESTION.
11 HAVE THEY SIGNED ONTO THIS? IN GENERAL, FOR-PROFIT
12 COMPANIES DON'T LIKE PRICING REGULATIONS. AND THEY'RE
13 PRETTY MUCH SPLIT 50-50. 50-50 IS AN EXAGGERATION.
14 THEY'RE SPLIT ON THE ISSUE OF ACCESS. SOME OF THEM ARE
15 MORE THAN HAPPY TO DO IT. THEY HAVE HUGE PROGRAMS
16 BUILT FOR PATIENT ASSISTANCE. SOME OF THEM DON'T HAVE
17 A PRODUCT YET, AND THEY DON'T HAVE ANY IDEA ABOUT IT,
18 AND THEY CAN'T PREDICT TODAY WHAT THAT'S GOING TO COST
19 THEM IN THE LONG RUN, SO THEY'RE AVERSE, THEY'RE RISK
20 AVERSE. THEY'RE AFRAID OF IT.

21 SO WHEN YOU THINK ABOUT THIS STACKED
22 REQUIREMENTS THAT WE'RE PUTTING ON THEM, WE ARE VERY
23 CAREFUL, AS I SAID, TO GET A LOT OF INPUT FROM THE
24 FOR-PROFIT COMPANIES TO UNDERSTAND WHAT IS TOLERABLE TO
25 THEM BECAUSE, AS YOU KNOW, WE NEED THEM TO CREATE THE

1 PRODUCTS. YOU CAN'T MAKE A PRODUCT WITHOUT A
2 FOR-PROFIT RESEARCH COMPANY. SO HOW DO WE ENSURE THAT
3 THIS WILL WORK? WELL, WE LISTENED TO THEM, WE TALKED
4 TO THEM, WE TAKE THEIR PUBLIC COMMENT, WE CONSIDER IT
5 VERY CAREFULLY, AND WE HOPE THAT WE'VE DONE THE RIGHT
6 THING.

7 DR. KIESSLING: I THINK THIS IS A FABULOUS
8 MODEL. I'M JUST WONDERING, I'M JUST CURIOUS. HAS ANY
9 COMPANY COME FORTH AND SAID, "I CAN HARDLY WAIT TO GET
10 YOUR MONEY"?

11 DR. MAXON: COMPANIES HAVE COME FORWARD
12 PUBLICLY IN MEETINGS AND IN NEWSPAPER ARTICLES AND SAID
13 WE CAN LIVE WITH WHAT THE CIRM HAS PROPOSED.

14 MORE QUESTIONS BEFORE I SHIFT GEARS?

15 DR. KIESSLING: THERE'S NO LINE FORMING?

16 DR. MAXON: I WOULD SAY A LINE FORMING WOULD
17 BE AN EXAGGERATION.

18 DR. TAYLOR: NUMBER OF APPLICATIONS, FOR
19 EXAMPLE, AS AN INDICATION.

20 DR. MAXON: TO DATE WE HAVE NOT OPENED ANY OF
21 THE RFA'S FOR FOR-PROFITS BECAUSE WE DIDN'T YET HAVE --
22 TWO PIECES ARE LACKING, A FOR-PROFIT POLICY, WHAT TO DO
23 WITH THE INTELLECTUAL PROPERTY AND HOW TO HANDLE THE
24 REVENUE SHARING. AND A FOR-PROFIT GRANTS
25 ADMINISTRATION POLICY IS VERY DIFFERENT THAN A

1 NONPROFIT GRANTS ADMINISTRATION POLICY. SO WE NEED
2 THOSE TWO PIECES. WE'RE VERY -- WE NOW HAVE AS OF
3 DECEMBER -- THE POLICY THAT WAS APPROVED IN DECEMBER
4 FOR FOR-PROFIT IP ALLOWS COMPANIES TO APPLY, IF THEY
5 WANT TO, BUT I THINK THEY'RE GOING TO BE VERY CAREFULLY
6 WATCHING HOW THESE REGULATIONS TAKE SHAPE OVER THE NEXT
7 FEW MONTHS. I'M HOPING THAT WE'LL GET A LOT OF HELP
8 FROM THEM TO MAKE THE REGULATIONS FAIR TO THE STATE AND
9 TOLERABLE TO THE FOR-PROFITS. IT'S A BIG CHALLENGE,
10 ESPECIALLY AS I MENTIONED WITH THAT NONDRUG THERAPIES
11 LANGUAGE FOR PRICING.

12 MR. SHEEHY: I WAS JUST GOING TO ADD. THERE
13 WAS SUBSTANTIAL FOR-PROFIT INPUT. SO THE IP TASK FORCE
14 INCLUDED PEOPLE FROM INDUSTRY. AND IF YOU LOOK AT IT,
15 THE ACCESS PLANS ARE SELF-GENERATED. IF YOU LOOK AT
16 MOST DRUGS, I SAW A LIST OF ABOUT 150 DRUGS THAT ARE
17 PROVIDED THROUGH EXPANDED ACCESS PROGRAMS FOR PEOPLE
18 WITH HIV. SO I THINK IT'S KIND OF THE RULE OF THUMB IN
19 TERMS OF ACCESS, SO I DON'T THINK THAT'S A PROBLEM.

20 THIS IS THE BIGGEST STICKING POINT IS THIS
21 PRICING THING AND WHY WE'RE KIND OF BOGGED DOWN. BUT I
22 THINK THE REST OF IT IS ACTUALLY QUITE REASONABLE. AT
23 LEAST FROM THE INDUSTRY PEOPLE WE'VE HEARD FROM, THERE
24 DOES NOT SEEM TO BE A LOT OF -- ONCE YOU START MAKING
25 TONS OF MONEY, KICKING A LITTLE BIT BACK TO THE STATE

1 ISN'T THAT BIG OF A DEAL.

2 DR. KIESSLING: I THINK THE BOTTOM LINE -- I
3 THINK THIS IS VERY INTERESTING AND WONDERFUL. I THINK
4 THE BOTTOM LINE IS DO THESE COMPANIES NEED CIRM MONEY,
5 OR ARE THEY GOING TO BE ABLE TO GET VENTURE CAPITAL ON
6 THEIR OWN?

7 MR. SHEEHY: THERE'S A COUPLE OF PLACES. ONE
8 PLACE THAT WE'VE IDENTIFIED FAIRLY EARLY ON IS THIS
9 SO-CALLED VALLEY OF DEATH BETWEEN PRECLINICAL AND
10 CLINICAL DEVELOPMENT. AND THERE SEEMED A LOT OF
11 INTEREST IN HEARINGS WE HAD THAT WERE JOINTLY TO INFORM
12 THE INTELLECTUAL PROPERTY TASK FORCE AND THE STRATEGIC
13 PLAN WHERE THEY SAID THEY'D BE QUITE HAPPY TO GET
14 SOMEWHERE IN THE RANGE OF TWO TO \$10 MILLION TO KIND OF
15 MAKE THAT LEAP.

16 DR. KIESSLING: BECAUSE IT SORT OF SHARES THE
17 RISK.

18 DR. MAXON: AS JEFF POINTED OUT, THAT WAS THE
19 ONE THING ON WHICH THEY ALL AGREED. THEY SAID IF YOU
20 COULD GIVE US TWO OR FIVE OR \$10 MILLION TO GET PROOF
21 OF CONCEPT, THE VENTURE CAPITAL DOLLARS WILL FLOW. AT
22 THAT POINT, YOU CAN SEE WHERE IF WE GAVE TWO OR FIVE OR
23 \$10 MILLION TO A COMPANY WHO IS PROSECUTING THEIR OWN
24 INTERNALLY GENERATED INTELLECTUAL PROPERTY, WE HAVE A
25 PROBLEM IF WE LINK ALL OF THE OTHER REVENUE SHARING

1 WITH INTELLECTUAL PROPERTY PER SE THAT WE'VE CREATED.
2 SO THAT WAS EXACTLY THE POINT WHERE THEY SAID THIS IS
3 HOW YOU COULD FLOAT ALL BOATS, AND THAT'S THE POINT
4 WHERE WE SAID, HMM, WE HAVE TO UNLINK IT FROM
5 INTELLECTUAL PROPERTY. THAT'S WHY.

6 OKAY. SO GEOFF HAS ASKED ME TO QUICKLY TALK
7 ABOUT A COUPLE OF OTHER THINGS THAT THE IP TEAM IS
8 WORKING ON. THE INTERSTATE ALLIANCE FOR STEM CELL
9 RESEARCH IS A COLLABORATIVE -- WE'RE COLLABORATING WITH
10 THIS ENTITY, AND THE FORMATION OF THIS GROUP WAS
11 INITIATED BY THE STATE OF CONNECTICUT IN MARCH OF THIS
12 YEAR. ITS GOAL IS TO FOCUS ON AWARENESS AND
13 COMPATIBILITY OF STATE POLICIES AND REGULATIONS SO THAT
14 THE RESEARCHERS IN DIFFERENT STATES CAN COLLABORATE.

15 SO AS IT RELATES TO OUR TEAM, I'M SURE GEOFF
16 IS GOING TO TELL YOU MORE ABOUT THIS AS IT RELATES TO
17 THE WORK THAT YOU DO, IN THE ABSENCE OF ANY NATIONAL OR
18 INTERNATIONAL GUIDANCE ON THIS WHOLE IP THING, THE IP
19 ISSUES ARE A BIG BLACK BOX. REVENUE SHARING, OPEN
20 ACCESS, RESEARCH EXEMPTION, WHAT ARE THESE THINGS AND
21 WHY IS CALIFORNIA THINKING ABOUT THEM, AND SHOULD WE AS
22 OTHER STATES BE THINKING ABOUT THEM?

23 THE NATIONAL ACADEMIES IS HOSTING LATER THIS
24 MONTH A MEETING WITH THIS COALITION OF STATES TO DRILL
25 DOWN ON SOME OF THESE IMPORTANT AREAS, INCLUDING

1 INTELLECTUAL PROPERTY AND MEDICAL AND ETHICAL
2 STANDARDS. I'LL BE THERE REPRESENTING THE STATE OF
3 CALIFORNIA TO TELL THEM THIS IS WHAT A RESEARCH
4 EXEMPTION IS. THESE ARE THE COMPONENTS OF IT. THESE
5 ARE THE PROS AND CONS OF HAVING ONE. THIS IS THE ISSUE
6 SURROUNDING OPEN ACCESS FOR YOUR GRANTEES. THESE ARE
7 REVENUE SHARING STRATEGIES. CALIFORNIA CAN'T TAKE
8 EQUITY, BUT YOUR STATES CAN. SO LISTEN TO WHAT WE DID
9 AND DO WHATEVER YOU CAN WITH BEST PRACTICES. THAT'S
10 THE WORK THAT WE'RE DOING WITH THAT ALLIANCE IN THE
11 AREA OF INTELLECTUAL PROPERTY.

12 AND LASTLY, THE OTHER THING THAT WE'RE DOING
13 IS WORKING ON UNDERSTANDING A NEW BILL, SB 771, WHICH
14 IS SPONSORED BY SENATORS KUEHL AND RUNNER. AND
15 SPECIFICALLY THIS BILL DRAWS UPON SOME OF THE
16 COMPONENTS OF OUR IP POLICY AND TAKES SPECIFIC
17 COMPONENTS OUT FOR LEGISLATION.

18 FOR-PROFIT GRANTEES, THIS BILL PROPOSES TO
19 HAVE AN UNCAPPED 2- TO 5-PERCENT ROYALTY REQUIREMENT
20 FOR FOR-PROFIT GRANTEES. WE CAN TALK ABOUT THAT IF YOU
21 WANT TO. FEDERAL MEDICAID PRICE BENCHMARK FOR CIRM
22 PRODUCTS PURCHASED WITH PUBLIC FUNDS IN CALIFORNIA. WE
23 KNOW FROM OUR RESEARCH THAT THAT'S PROBABLY NOT GOING
24 TO WORK, AND THAT'S EMBODIED IN THIS LEGISLATION. IT
25 ALSO REQUIRES A PLAN FOR ACCESS TO CIRM-FUNDED PRODUCTS

1 BY THE UNINSURED AT THE TIME OF THE LICENSE AS OPPOSED
2 TO AT THE TIME OF COMMERCIALIZATION. THIS DOESN'T
3 SOUND LIKE A BIG DEAL, BUT IT IS. IT'S VERY HARD AT
4 THE TIME THAT A LICENSE IS MADE TO KNOW WHAT THAT
5 ACCESS PLAN MIGHT LOOK LIKE SINCE YOU DON'T EVEN KNOW
6 WHAT THE DRUG MIGHT BE OR WHAT THE THERAPY MIGHT BE.

7 SO THE LAST THING THAT IT CALLS UPON THAT
8 I'LL CALL OUT IS THE 25 PERCENT VERSUS 17 PERCENT.
9 THIS PIECE OF LEGISLATION STRIVES TO GET 25 PERCENT
10 FROM THE FOR-PROFITS JUST LIKE 25 PERCENT FROM THE
11 NONPROFITS. SO CURRENTLY -- KIRK, CORRECT ME IF I'M
12 WRONG -- THIS BILL HAS PASSED THE SENATE HEALTH
13 COMMITTEE, IT'S PASSED THE JUDICIARY COMMITTEE, AND
14 IT'S UP ON MONDAY FOR THE SENATE APPROPRIATIONS
15 COMMITTEE. SO IT'S MOVING. AND WE'RE WORKING VERY
16 HARD MEETING WITH LEGISLATORS TO INFORM THEM ABOUT THE
17 VERY COMPLICATED ASPECTS OF THE PROPOSED COMPONENTS OF
18 OUR IP POLICY AND TRYING TO EDUCATE THEM AS TO WHY SOME
19 OF THESE THINGS MAY OR MAY NOT BE FEASIBLE.

20 DR. TAYLOR: WOULD THIS BILL TRUMP YOUR
21 POLICY THEN?

22 DR. MAXON: YES. THAT'S IT FOR MY REPORT
23 UNLESS YOU HAVE ANY MORE QUESTIONS.

24 MR. SHEEHY: IT TRUMPS IF IT'S PASSED BY 70
25 PERCENT OF THE LEGISLATURE AND SIGNED BY THE GOVERNOR.

1 THE THRESHOLD IS A BIT HIGH IS THE ONLY POINT I'D MAKE
2 ABOUT THAT LEGISLATION.

3 DR. PETERS: TWO SEPARATE QUESTIONS, BUT THEY
4 OVERLAP. HOW FAR UPSTREAM DO YOU EXPECT A GRANT TO
5 PERMIT INTELLECTUAL PROPERTY APPLICATIONS? FOR
6 EXAMPLE, IF A UNIVERSITY ESTABLISHES A NEW CELL LINE,
7 IN YOUR JUDGMENT WILL THAT BE PATENTABLE?

8 THEN SECONDLY, WHAT SCENARIO ARE YOU WORKING
9 WITH IN TERMS OF CALIFORNIA GRANTEES USING WARF
10 EXISTING PATENTS AND LICENSES AND THAT KIND OF THING?
11 WHAT LEVEL OF COMPLICATION ARE YOU EXPECTING THERE?

12 DR. MAXON: SO THE TASK THAT THE IP TASK
13 FORCE FACED AND CONTINUES TO FACE IS THE DEVELOPMENT OF
14 POLICIES FOR CIRM GRANTEES. THE DEVELOPMENT OF
15 POLICIES IS SEPARATE FROM FREEDOM TO OPERATE. SO WE'VE
16 BEEN VERY CAREFUL TO KEEP OUR EFFORTS FOCUSED ON
17 DEVELOPMENT OF POLICIES.

18 WITH RESPECT TO YOUR FIRST QUESTION, YOU
19 ASKED IF A UNIVERSITY CREATES A STEM CELL LINE, WOULD
20 THAT BE PATENTABLE? ONLY A PATENT OFFICE OFFICIAL
21 REALLY WOULD KNOW THAT. DOES IT PASS THE CRITERIA FOR
22 NOVELTY AND UTILITY AND ALL THIS? SO I WOULDN'T BE
23 BRAVE ENOUGH TO ANSWER THAT QUESTION.

24 DR. PETERS: THAT WAS NOT A TECHNICAL
25 QUESTION. ARE YOU ENCOURAGING UPSTREAM AS OPPOSED TO

1 LIMITING JUST DOWNSTREAM?

2 DR. MAXON: I WOULD SAY THAT ENCOURAGING IS A
3 STRONG WORD. I WOULD SAY THAT THE POLICY ALLOWS FOR
4 THE UNIVERSITIES TO MAKE THEIR OWN DECISIONS. SO
5 THEY --

6 DR. PETERS: LET ME JUST ASK. WHEN YOU MADE
7 THAT DECISION, WAS IT DISCUSSED IN THE IP COMMITTEE
8 WHETHER OR NOT THIS MIGHT EVENTUALLY RAISE THE PRICE OF
9 THE DELIVERABLE PRODUCTS AT THE FAR END? HOW MUCH DID
10 ACCESS PLAY A ROLE IN THAT KIND OF DECISION-MAKING?

11 DR. MAXON: I WOULD REFER TO JEFF FOR HIS
12 RECOLLECTION, BUT WHAT I CAN TELL YOU IS THAT WE WORKED
13 PRETTY HARD TO TRY TO EMPLOY A RESEARCH USE EXEMPTION
14 FOR THAT VERY PURPOSE, FOR ACCESS TO PATENTED
15 INVENTIONS IN CALIFORNIA, NOT JUST FOR CIRM GRANTEES,
16 BUT FOR ALL RESEARCHERS IN CALIFORNIA. AND IT DIDN'T
17 FLY. IT FAILED. SO WITH REGARD TO DISCUSSIONS ABOUT
18 THE PRICE, I DON'T REMEMBER SPECIFIC CONVERSATIONS
19 ABOUT PATENTING UPSTREAM INVENTIONS AND WHETHER OR NOT
20 THAT WOULD OR WOULDN'T INCREASE THE PRICE. IT DOES
21 POSSIBLY CONTRIBUTE TO ROYALTY STACKING, BUT I THINK
22 THAT PATENTING OF EMBRYONIC STEM CELL LINES, WHO KNOWS
23 TODAY WHETHER THAT'S ACTUALLY GOING TO BE AN AREA THAT
24 THE PATENT OFFICERS ARE GOING TO LOOK AT. I THINK THE
25 HURDLE IS PRETTY HIGH.

1 DR. PETERS: OKAY. WHAT'S YOUR SCENARIO?
2 WHAT DO YOU PREDICT IS GOING TO HAPPEN OVER THE NEXT
3 COUPLE OF YEARS WITH REGARD TO CALIFORNIA AND WARF?

4 DR. MAXON: SO THE WAY THAT WE VIEWED THE
5 FREEDOM TO OPERATE ISSUE IS WE VIEW OUR GRANTEES TO BE
6 KNOWLEDGEABLE THIRD PARTIES REGARDING THEIR RIGHT TO
7 USE RADIOACTIVE MATERIALS, ANIMALS, AND PATENTED
8 INVENTIONS. SO OUR VIEW OF THAT IS WE GIVE GRANTS TO
9 THE GRANTEES UNDER THE CONDITIONS THAT THEY HAVE
10 PERMISSION TO DO THE WORK THEY'VE REQUESTED FUNDING
11 FOR.

12 SO IF THEY HAVE ACTUALLY GOTTEN A MEMORANDUM
13 OF UNDERSTANDING FROM WARF FOR USE OF THE TECHNOLOGIES,
14 THAT'S REALLY UP TO THEM. JUST AS MY OWN SURVEY, MOST
15 OF THEM HAVE.

16 DR. PETERS: SO YOU'RE EXPECTING NO
17 DIFFICULTIES?

18 DR. MAXON: I'M AFRAID TO THINK ABOUT WHAT
19 COULD HAPPEN, BUT I AM NOT EXPECTING VERY MANY
20 DIFFICULTIES. WHAT WOULD YOU SAY, JEFF?

21 MR. SHEEHY: I DON'T KNOW ABOUT WARF. I
22 WOULD SAY, YOU KNOW, THE WHOLE PRICING ISSUE IS AN EASY
23 MARK, BUT I THINK PRICING IS -- YOU KNOW, ALL I HAVE IS
24 THE EXPERIENCE OF HIV/AIDS. AND I THINK AZT JUST IN
25 THE LAST YEAR WAS THE FIRST AIDS DRUG TO BECOME

1 GENERIC. PEOPLE PATENTED, THEY MADE A TON OF MONEY,
2 THEN WE BEAT THE DAYLIGHTS OUT OF THEM TO MAKE THEM
3 ACCESSIBLE. WE SEEM TO HAVE HAD SOME SUCCESS WITH
4 THAT. I THINK ANY KIND OF FRONT-END PRICING SCHEME
5 DETERS DEVELOPMENT AND IS NOT REALLY AN APPROPRIATE WAY
6 TO APPROACH THAT, ESPECIALLY WHEN WE HAVE ABSOLUTELY NO
7 IDEA WHAT THESE THERAPIES ARE GOING TO LOOK LIKE OR HOW
8 THEY'RE GOING TO BE DEVELOPED.

9 JUST FROM A PATIENT POINT OF VIEW, THE KEY
10 THING IS TO GET DEVELOPMENT AT THIS POINT. AND THEN,
11 YOU KNOW, THIS IS A VERY ACTIVE PATIENT COMMUNITY
12 COVERING A WHOLE RANGE OF DISEASES. AND I THINK THAT
13 THERE'S ENOUGH FORCE THERE TO CREATE THE KIND OF MORAL
14 SUASION THAT WE HAVE SEEN IN OTHER DISEASES TO PROVIDE
15 BETTER ACCESS AT THAT POINT. BUT RIGHT NOW GETTING
16 INTO PRICING ISSUES SEEMS TOUGH.

17 THE WARF PATENTS HAVE BEEN CHALLENGED AND
18 SEEM TO BE ON FAIRLY SHAKY GROUND IN PART THANKS TO ONE
19 OF OUR ERSTWHILE ADVERSARIES AND COLLABORATORS, THE
20 FOUNDATION FOR CONSUMERS AND TAXPAYER RIGHTS. THEY'VE
21 DONE ACTUALLY AN EXTRAORDINARY JOB OF PARTICIPATING IN
22 THE PROCESS AND HOLDING US ACCOUNTABLE, BUT AT THE SAME
23 TIME DOING A BIT OF ADVOCACY FOR US UNBIDDEN TO TAKE ON
24 THE WARF PATENTS. SO IT'S BEEN A VERY SUCCESSFUL KIND
25 OF THING FOR US SO FAR THAT WE DIDN'T ASK FOR.

1 DR. KIESSLING: IS THIS POWERPOINT
2 PRESENTATION IN OUR PACKET? IT WOULD BE HUGELY HELPFUL
3 TO ME.

4 DR. LOMAX: WE WILL CIRCULATE SLIDES. I JUST
5 DIDN'T HAVE THEM AVAILABLE AT THE TIME OF PRODUCTION.

6 CHAIRMAN LO: ANY OTHER QUESTIONS? MARY, LET
7 ME THANK YOU VERY MUCH. THAT WAS A VERY CLEAR
8 PRESENTATION ON SOME VERY DIFFICULT AND VERY
9 SOPHISTICATED WORK.

10 MY ONLY QUESTION IS ARE YOU PLANNING TO WRITE
11 UP KIND OF THE RATIONALE FOR YOUR POLICY SO IT CAN BE
12 SHARED WITH OTHER GROUPS INTERESTED IN THESE ISSUES?
13 YOU'VE DONE A LOT OF THINKING HERE AND HAVE A PRETTY
14 SOPHISTICATED NUANCED SORT OF APPROACH TO BALANCING
15 DIFFERENT GOALS OR ETHICAL PRINCIPLES. I THINK IT
16 WOULD BE A REAL CONTRIBUTION TO PUBLISH THAT.

17 DR. MAXON: WITH RESPECT TO SHARING IT WITH
18 OTHERS, CERTAINLY WITH OTHER STATES, THAT'S PART OF OUR
19 EFFORTS TO COLLABORATE WITH THE ALLIANCE. WITH REGARD
20 TO WRITING IT UP, ED PENHOET HAS BEEN PESTERING ME FOR
21 QUITE SOME TIME TO PUT TOGETHER A MANUSCRIPT FOR A
22 POLICY FORUM OR SOMETHING TO THAT.

23 CHAIRMAN LO: OR REALLY FOR *SCIENCE* OR *NEW*
24 *ENGLAND JOURNAL* BECAUSE THIS REALLY IS A LEAP FROG
25 BEYOND THE CURRENT DISCUSSIONS ON INTELLECTUAL POLICY.

1 DR. MAXON: *SCIENCE* HAS A SECTION CALLED
2 "POLICY FORUM" THAT I THINK IS WHAT ED WAS THINKING,
3 BUT I THINK THAT'S A LITTLE -- I'LL WAIT AND SEE HOW
4 THAT WORKS OUT. BUT, YES, WE ARE PLANNING TO PUT
5 SOMETHING TOGETHER. I THINK WE'RE KIND OF WAITING TO
6 SEE HOW THE DUST IS GOING TO SETTLE ON THE PRICING
7 PIECE BEFORE WE CAN REALLY MAKE THAT WORK. BUT THE
8 PROCESS ITSELF IS, I THINK, QUITE INTERESTING TO SHARE
9 WITH OTHERS.

10 CHAIRMAN LO: ALSO I THINK YOU'VE DEVELOPED A
11 SET OF SORT OF ETHICAL GUIDELINES OR SORT OF RULES OF
12 THUMB TO FOLLOW. YOU CERTAINLY MENTIONED
13 PROPORTIONALITY AND NEED TO BALANCE ACCESS VERSUS SORT
14 OF NOT DETERRING INVENTION IN THE FIRST PLACE. AND
15 THAT KIND OF CONSIDERATION OF THE ISSUES IS, I THINK,
16 MORE SOPHISTICATED AND MORE REALISTIC THAN A LOT OF
17 THINGS THAT HAVE BEEN PUBLISHED IN THOSE KINDS OF
18 JOURNALS.

19 DR. MAXON: TO THAT POINT I WOULD SAY YOU'RE
20 ABSOLUTELY RIGHT, AND IT CAME STRICTLY AS A WILLING --
21 AS A CONSEQUENCE OF THE WILLINGNESS ON THE PARTS OF
22 FUNDING ENTITIES FOR THE FOR-PROFIT SECTOR. NONE OF
23 THEM WOULD COME FORWARD PUBLICLY TO SPEAK AT THE
24 MEETINGS ABOUT WHAT THEIR STRATEGIES WERE; BUT WHEN I
25 WENT TO THEM AND I SAID SHOW ME THE TEMPLATES, I

1 LEARNED SO MUCH HOW NOT TO DO THIS FROM THOSE ENTITIES
2 WHO FUNDED THEM AND HAD MADE MISTAKES. SO THEY SHARED
3 WITH US THE BENEFIT OF THEIR MISFORTUNE AND ALLOWED US
4 TO CHART A COURSE THAT, I THINK, IS A WELL-INFORMED
5 ONE.

6 CHAIRMAN LO: THANKS VERY MUCH.

7 DR. LOMAX: THE ONLY OTHER COMMENT TO ADD IS
8 I'D LIKE TO THANK MARY. IF YOU DO REMEMBER AT ONE
9 POINT IN TIME, WE WERE ACTUALLY NOODLING A LITTLE BIT
10 OF THIS, AND I AM SO HAPPY THAT SOMEONE WAS ABLE TO
11 CARRY THE BALL ON THIS BECAUSE OBVIOUSLY IT IS FAR
12 DEEPER AND FAR BIGGER THAN ANYTHING WE COULD HAVE
13 CONTEMPLATED.

14 MS. KING: WE'RE HAPPY TOO.

15 DR. LOMAX: THANK YOU, MARY.

16 I'D LIKE TO DO ROLL CALL. MARCY FEIT.

17 MS. FEIT: HERE.

18 DR. LOMAX: ROBERT KLEIN. SHERRY LANSING.
19 FRANCISCO PRIETO.

20 DR. PRIETO: HERE.

21 DR. LOMAX: JEFF SHEEHY.

22 MR. SHEEHY: HERE.

23 DR. PRIETO: I HAVE TO SAY MY CONNECTION IS
24 VERY BAD.

25 DR. LOMAX: HOW DO I SOUND TO YOU?

1 DR. PRIETO: YOU SOUND OKAY NOW. ANN
2 KIESSLING AND TED PETERS ARE PRETTY AUDIBLE. A LOT OF
3 THE REST NOT SO GOOD.
4 CHAIRMAN LO: A LOT OF THE REST OF US ARE NOT
5 CLOSE TO THE PHONE.
6 DR. PRIETO: I WOULD HAVE MORE COMMENTS IF I
7 COULD HEAR BETTER.
8 DR. LOMAX: JONATHAN SHESTACK. ALTA CHARO.
9 BERNARD LO.
10 CHAIRMAN LO: HERE.
11 DR. LOMAX: PATRICIA KING.
12 MS. KING: HERE.
13 DR. LOMAX: TED PETERS.
14 DR. PETERS: HERE.
15 DR. LOMAX: JOSE CIBELLI. KEVIN EGGAN. ANN
16 KIESSLING.
17 DR. KIESSLING: HERE.
18 DR. LOMAX: JEFFREY KORDOWER. KENNETH OLDEN.
19 DR. OLDEN: HERE.
20 DR. LOMAX: JANET ROWLEY.
21 DR. ROWLEY: HERE.
22 DR. LOMAX: ROBERT TAYLOR.
23 DR. TAYLOR: HERE.
24 DR. LOMAX: JOHN WAGNER. JAMES WILLERSON.
25 CHAIRMAN LO: WHAT I WOULD LIKE TO DO IS TO

1 SORT OF GO BACK AND SEE IF WE CAN REACH SOME INTERIM
2 CLOSURE ON WHAT WE TALKED ABOUT YESTERDAY, WHICH I
3 THOUGHT WAS VERY STIMULATING AND VERY IMPORTANT. AS
4 YOU REMEMBER, THERE WERE THREE ISSUES. ONE, TO HAVE A
5 GROUP OF CONSULTANTS MAKE SUGGESTIONS TO US ABOUT
6 GUIDELINES FOR DECREASING OR FOR MINIMIZING OHSS IN
7 WOMEN DONATING OOCYTES FOR RESEARCH. I THINK WE TALKED
8 ABOUT THAT AND GOT A SENSE OF THE COMMITTEE.

9 THE SECOND ISSUE, LET ME OFFER ON SHARING OUR
10 EXPERIENCE WITH REGARD TO GRANTS OR APPLICATIONS CIRM
11 MAY GET. LET ME OFFER THE FOLLOWING SORT OF LANGUAGE
12 TO MAYBE START A DISCUSSION OF WHAT THE SENSE OF THE
13 COMMITTEE IS. SO IS IT THE SENSE OF THE SWG THAT WE
14 WOULD LIKE TO OFFER OUR EXPERTISE TO OTHER SECTIONS OR
15 PARTS OF CIRM WORKING GROUPS, FOR EXAMPLE, THE
16 GRANTS-MAKING GROUP, WITH REGARD TO ETHICAL CONCERNS
17 ABOUT OOCYTE DONATION, SPECIFICALLY RESEARCH, IN
18 PROPOSALS THAT CIRM RECEIVES OR GRANTS THAT MAY
19 CONSIDER FUNDING.

20 IF THIS WOULD BE USEFUL TO THE PARTS OF CIRM
21 THAT HAVE PRIMARY RESPONSIBILITY FOR GRANTS REVIEW OR
22 OVERSIGHT, WE MIGHT CONSIDER AMONG OTHERS OPTIONS SUCH
23 AS, ONE, HAVING US PARTICIPATE IN LOOKING AT PROPOSALS
24 OR GRANTS INVOLVING OOCYTE DONATION. AND I THOUGHT WE
25 SUGGESTED WE WOULD NOT BE PART OF THE ACTUAL GRANTS

1 REVIEW PROCESS; BUT IF A PROPOSAL RECEIVED A FUNDABLE
2 SCORE, BUT INVOLVED DONATION OF RESEARCH OOCYTES, THAT
3 WE MIGHT GET INVOLVED AT THAT LATER STEP TO EITHER MAKE
4 SURE THAT THE CIRM REGULATIONS WERE BEING FOLLOWED OR
5 TO OFFER SUGGESTIONS, ADVICE ON HOW THE INVESTIGATORS
6 MIGHT BEST ADDRESS THE ETHICAL CONCERNS IN THE
7 GUIDELINES.

8 SECOND THING WE MIGHT DO IS ACTUALLY AFTER
9 INVESTIGATORS WHO ARE RETRIEVING OOCYTES FROM WOMEN FOR
10 RESEARCH ACTUALLY GET STARTED, THERE MAY BE ETHICAL
11 CONCERNS THAT COME UP, AND PERHAPS WE MIGHT BE USEFUL
12 AS A SORT OF A PLACE WHERE THE INVESTIGATORS COULD COME
13 AND DISCUSS ISSUES THAT ARISE IN THE COURSE OF
14 RESEARCH.

15 AND THE THIRD SUGGESTION THAT I HEARD
16 YESTERDAY WAS THAT THERE WOULD ALSO BE AN EDUCATIONAL
17 VALUE TO US AS A WORKING GROUP IN STUDYING OR READING
18 REDACTED PROTOCOLS REALLY FOR OUR EDUCATION SO WE HAD A
19 CLEAR SENSE OF WHAT SOME OF THE ISSUES ARE, WHAT SOME
20 OF THE CHALLENGES WERE, AND CURRENT PRACTICES WITH
21 OOCYTE DONATION.

22 SO THIS, IN SUMMARY, IS MEANT TO SORT OF
23 OFFER TO THE REST OF CIRM WAYS TO BEGIN TO DISCUSS WAYS
24 IN WHICH WE MIGHT GET INVOLVED IN THE REVIEW OF
25 PROPOSALS OR THE GRANTING OF GRANTS THAT INVOLVE OOCYTE

1 DONATION. SO THAT'S A VERY LONG-WINDED ATTEMPT TO
2 SUMMARIZE. BUT LET'S SEE.

3 DR. PETERS: I'D LIKE TO RESPOND. I THINK
4 THIS IS A REPEAT OF YOUR THREE-PART SUMMARY YESTERDAY.
5 THE FIRST ONE IS SHOULD WE CONSULT WITH BEST PRACTICES
6 EXPERTS, AND I THINK WE ALL AGREED ON THAT. SO THAT'S
7 A SETTLED MATTER. NOW WE'RE VISITING NUMBERS TWO AND
8 THREE, THE SECOND ONE OF --

9 CHAIRMAN LO: THIS WAS ACTUALLY JUST MEANT TO
10 BE TWO. WE CAN GET TO THREE A LITTLE LATER.

11 DR. PETERS: NO. 2 IS SHOULD WE GET INVOLVED
12 IN THE EXISTING GRANT APPLICATION PROCESS? THAT'S WHAT
13 I THOUGHT I HEARD.

14 CHAIRMAN LO: GRANT APPLICATION PROCESS.

15 DR. PETERS: ONE OF THE THINGS I WANTED TO
16 SAY YESTERDAY, AND I HEARD IT COME UP AGAIN, JEFF HAD
17 SAID HE'S CONCERNED ABOUT POLICING. AND MY THINKING IS
18 I DON'T THINK WE WANT TO GET INTO THAT. THERE'S A RISK
19 THAT IF YOU TRY TO POLICE IN ONE INSTANCE, YOU MIGHT
20 SET A PRECEDENT THAT YOU ARE SORRY ABOUT.

21 I WOULD SEE OUR PRIMARY OBJECTIVE HERE IS
22 HEURISTIC. THAT IS TO SAY, TO DRAW TO ATTENTION TO THE
23 GRANTEES AND THOSE WHO ARE APPROVING THE GRANTS THAT
24 THIS IS VERY IMPORTANT, AND WE COMMEND THEM TO INCLUDE
25 THAT IN THEIR PROTOCOL. BUT THEN, SECONDLY, WHAT I

1 HEARD TODAY, BERNIE, WAS MAYBE AN OVERLAP BETWEEN
2 NUMBERS TWO AND THREE. THAT IS TO SAY, IF A FUNDABLE
3 PROPOSAL COMES IN THAT LOOKS LIKE IT'S IN THE AREA
4 WHERE WE WANT TO SEE RESEARCH DONE, I DON'T THINK WE
5 NEED TO POLICE IT. THE QUESTION WOULD BE COULD WE
6 NEGOTIATE WITH THE POTENTIAL GRANTEE TO GET SOME OF OUR
7 WORK DONE, OR MAYBE WE SHOULD GO TO NO. 3, AND THAT IS
8 TO SAY HOW, IF WE SEND OUT A REQUEST FOR PROPOSALS, WE
9 COULD ACTUALLY GET QUITE SPECIFICALLY THE WORK DONE
10 THAT WE WOULD LIKE.

11 NOW, THAT'S WHAT I THINK I'M HEARING, AND I
12 THINK YOU'RE GETTING MY RESPONSE.

13 DR. OLDEN: WELL, I LIKE THE LAST OPTION THAT
14 YOU PRESENTED. I THINK WE SHOULD GET -- WE SHOULD
15 REVIEW FUNDED GRANT APPLICATIONS TO HELP US DECIDE
16 WHETHER THERE ARE ISSUES THAT WE STILL SHOULD TAKE A
17 LOOK AT. I DON'T THINK WE SHOULD GET INTO THE GRANTS
18 REVIEW PROCESS BECAUSE I THINK IT'S SO IMPORTANT TO GET
19 THE GRANT APPLICATIONS TURNED AROUND AS SOON AS
20 POSSIBLE; IN OTHER WORDS, THE TIME FROM SUBMISSION TO
21 FUNDING SHOULD BE AS SHORT AS POSSIBLE BECAUSE THAT'S
22 VERY APPEALING TO INVESTIGATORS. AND I THINK FOR US TO
23 GET INVOLVED WOULD ADD ANOTHER LAYER TO THE REVIEW.

24 BUT I DO THINK WE NEED TO KNOW ARE THERE
25 ISSUES THAT WE SHOULD THINK ABOUT OR IMPROVE OUR

1 PROCESS AND OUR GUIDELINES. AND I THINK WE COULD DO
2 THAT BY RANDOMLY SAMPLING SOME OF THE APPLICATIONS THAT
3 HAVE BEEN FUNDED. SO I THINK THAT'S WHAT WE WANT TO DO
4 IS IMPROVE THE ASSIGNMENT, THE TASK THAT WAS GIVEN TO
5 US, AND IT SEEMS TO ME THAT WE COULD DO THAT BY JUST
6 RETROSPECTIVELY REVIEWING SOME GRANT APPLICATIONS.

7 DR. TAYLOR: I AGREE. I THINK THE IDEA OF
8 HAVING REDACTED AND ANONYMIZED APPLICATIONS SORT OF
9 GIVES US THE OPPORTUNITY TO SEPARATE CHURCH AND STATE A
10 LITTLE BIT AND KEEPS US SO THAT WE ARE -- BECAUSE THIS
11 IS GOING TO BE A WORK IN PROGRESS OBVIOUSLY. IT WILL
12 CHANGE POTENTIALLY WITH NEW APPLICATIONS AS THEY COME
13 IN. WE CAN MAYBE KEEP UP WITH SOME OF THOSE AND
14 RETHINK PRINCIPLES THAT GUIDELINES WILL BE BASED ON.

15 DR. ROWLEY: IT SEEMS TO ME THAT THERE WAS
16 ANOTHER ISSUE THAT WAS CONSIDERED IMPORTANT YESTERDAY,
17 AND THAT WAS THE LACK OF DATA. AND I'M NOT SURE
18 BECAUSE IT SEEMED TO ME THE WAY THINGS WERE PHRASED
19 TODAY IT WAS MORE RELATED TO GRANTS.

20 CHAIRMAN LO: THAT WAS GOING TO BE SUGGESTION
21 THREE.

22 DR. ROWLEY: OKAY.

23 MS. KING: LET'S JUST MAKE SURE I UNDERSTAND
24 THIS. WHAT KEN JUST PROPOSED WOULD LEAVE OUT OR THE
25 WAY KEN RESTATED IT WOULD LEAVE OUT THE POSSIBILITY OF

1 IN THE GRANT PROCESS ITSELF. I BELIEVE THE DISCUSSION
2 YESTERDAY WAS THE PROBLEM OF UP OR DOWN WITHOUT AN
3 OPPORTUNITY TO HAVE A GRANT APPLICATION REWORKED IN
4 TERMS OF THINKING ABOUT THE ETHICAL IMPLICATIONS. I
5 DON'T RESIDE IN THAT PART OF THE WORLD, SO I'M WILLING
6 TO GO ALONG WITH IT, BUT I WANT -- WHAT I JUST HEARD, I
7 JUST WANT TO KNOW IF THE CONSENSUS IS THAT THAT'S WHAT
8 WE DON'T WANT TO DO.

9 DR. OLDEN: I ASKED DO REVIEWERS. IS THE
10 PEER REVIEW COMMITTEE LOOKING AT ACTUALLY MAKING
11 JUDGMENTS ABOUT THE ETHICAL AND ALL THE ISSUES THAT WE
12 DEAL WITH, OR ARE THEY SIMPLY MAKING JUDGMENTS ABOUT
13 THE QUALITY OF THE SCIENCE?

14 CHAIRMAN LO: LET'S TRY AND GET JEFF SHEEHY
15 BECAUSE I THINK HE'S THE ONE THAT RAISED IT FROM THE
16 POINT OF VIEW OF THE REVIEWERS. YOU'RE ASKING
17 QUESTIONS THAT I DON'T KNOW THE ANSWERS TO. MARCY, ARE
18 YOU ON THE REVIEW COMMITTEE AS WELL?

19 MS. FEIT: YES. I THINK I'M ON EVERY CIRM
20 COMMITTEE. I'VE BEEN LIVING HERE AT THE MIYAKO LATELY.
21 I SAT IN ON SEVERAL DAYS OF GRANT REVIEWS. AND THE
22 QUESTION IS IS THERE AN ETHICAL ISSUE -- IS THERE
23 ETHICAL INPUT? TO A VERY MINOR DEGREE. WHAT YOU HAVE
24 IS A PROCESS WHERE THERE'S A FIRST AND SECOND REVIEWER.
25 THEY'RE EXPERTS IN THEIR PARTICULAR FIELD. SO THEY

1 GIVE -- AND THE BODY OF THEIR REVIEW IS BASED ON THE
2 SCIENCE, NOT ON THE ETHICAL. SO I THINK THAT IS
3 PROBABLY A MISSING COMPONENT. AND SO I THINK THE
4 ABILITY FOR THIS GROUP TO RANDOMLY SELECT GRANTS AND
5 REVIEW THEM AND ADVISE CIRM AND THE GRANTS WORKING
6 GROUP ON CONCERNS OR MAYBE THINGS THAT YOU PICK UP,
7 THAT WOULD BE HELPFUL GOING FORWARD. BUT I THINK
8 OVERALL THE REVIEW DOES NOT EMBODY PARTICULARLY THAT
9 ISSUE.

10 DR. KIESSLING: BUT ALL THE REVIEWS ARE BOTH
11 IRB AND ESCRO REVIEWED. ALL THE GRANT APPLICATIONS
12 HAVE BOTH IRB AND ESCRO REVIEW.

13 DR. ROWLEY: JEFF SAID YESTERDAY THAT ONE WAS
14 APPROVED WITHOUT A SCRO REVIEW.

15 CHAIRMAN LO: GRANTS ARE APPROVED -- THE
16 GRANTS ARE APPROVED FOR FUNDING PRIOR TO IRB AND SCRO
17 REVIEW.

18 DR. KIESSLING: REALLY?

19 CHAIRMAN LO: AS IT IS WITH NIH.

20 DR. OLDEN: SURE.

21 DR. KIESSLING: MY NIH GRANT IS NOT.

22 DR. TAYLOR: JUST IN TIME.

23 DR. OLDEN: ALL THE NIH GRANTS ARE JUST IN
24 TIME.

25 MS. KING: I DON'T KNOW WHAT JUST IN TIME

1 MEANS.

2 CHAIRMAN LO: THAT WHEN YOU SUBMIT TO THE
3 FUNDING AGENCY, YOU NEED NOT HAVE IRB REVIEW. BEFORE
4 YOU CAN START THE GRANT, BEFORE YOU GET THE MONEY,
5 YOU'VE GOT TO GET IRB APPROVAL.

6 MS. KING: IS THERE STILL NO ETHICAL
7 QUESTIONS RAISED AT THE STUDY SECTION?

8 CHAIRMAN LO: NIH, I THINK, IS DIFFERENT THAN
9 WHAT I UNDERSTAND FROM WHAT MARCY SAID AND WHAT JEFF
10 SAID. NIH, THE STUDY SECTIONS, HELP ME, KEN, SORT OF
11 IN THE LAST COUPLE OF YEARS HAVE BEEN REALLY GETTING
12 TOUGH ON THE HUMAN SUBJECTS SECTION, SECTION D.
13 THEY'RE REVIEWING IT. THEY'RE MARKING PEOPLE DOWN.
14 THEY'RE ACTUALLY NOT FUNDING PEOPLE. WE'VE HAD GRANTS
15 THAT GOT VERY NICE PRIORITY SCORES, BUT THEY WEREN'T
16 FUNDED BECAUSE THEY SAID YOU HAVE TO RESUBMIT TO TAKE
17 CARE OF THE FOLLOWING ETHICAL CONCERNS. CONSENT,
18 CONFIDENTIALITY, UNDUE INFLUENCE, ALL SORTS OF THINGS
19 GET RAISED, JUSTICE, VULNERABLE POPULATIONS. AND
20 THAT'S BEEN A CHANGE OVER THE LAST 10, 15 YEARS. AND
21 MY UNDERSTANDING IS THAT'S NOT REALLY HAPPENING AT THE
22 CIRM REVIEW.

23 MS. FEIT: THERE IS A DUE DILIGENCE PHASE
24 THAT WILL TAKE PLACE TO MAKE SURE THAT CERTAIN ELEMENTS
25 ARE THERE AND ARE PROVEN; BUT EXCLUSIVE OF THAT, I

1 THINK THE REVIEW IS BASED ON THE BODY OF SCIENCE THAT'S
2 BEING PRESENTED.

3 MS. KING: JUST TO REMIND US OF THE CONTEXT,
4 I THINK THAT ORDINARILY WE WOULD NOT HAVE AN ISSUE. WE
5 WERE TALKING ABOUT USE OF DONOR OVA, WHICH IS, I WOULD
6 IMAGINE, UNUSUAL IN THIS PROCESS. SO THE DISCUSSION IS
7 NOT ABOUT THE GENERAL -- THE GRANTS THAT WOULD COME IN
8 WHERE IT WOULD BE APPROPRIATE TO DO A SCIENTIFIC
9 REVIEW. WE'RE TALKING ABOUT A SPECIFIC SUBSET OF
10 APPLICATIONS WHERE WE DO HAVE HUMANS INVOLVED AS
11 DONORS. AND THE QUESTION IS, BECAUSE THAT'S STILL OUT,
12 IS BECAUSE OF THAT FACT, SHOULD WE HAVE SOME REVIEW
13 EVEN AT THIS STAGE ABOUT THE ETHICS OF HOW WE HAVE
14 INVOLVED THE DONORS AND INFORMED CONSENT OF THE DONORS?

15 SO I THINK THAT'S THE QUESTION WE'RE FOCUSED
16 ON, NOT ALL APPLICATIONS, BUT IS THERE SOMETHING --
17 SHOULD WE BE DOING ANYTHING EVEN IF WE JUST OFFER
18 ASSISTANCE AT THAT STAGE WITH RESPECT TO THAT SUBSET OF
19 GRANTS? THAT'S WHAT I UNDERSTOOD YESTERDAY'S ISSUE.

20 CHAIRMAN LO: THAT IS WHAT I WAS TRYING.

21 DR. ROWLEY: AND I THINK THAT IT WOULD BE
22 VERY IMPORTANT TO KNOW, FOR WOMEN WHO ARE RESEARCH
23 DONORS, WHAT KIND OF FOLLOW-UP IS BEING OFFERED TO THAT
24 INDIVIDUAL TO MAKE SURE THAT SHE DOESN'T SUFFER SOME
25 UNTOWARD CONSEQUENCE; OR IF SHE DOES, THEN WHAT KIND OF

1 HELP IS SHE GOING TO GET IN THE EVENT THAT SHE
2 UNFORTUNATELY EITHER GETS A HIGH DOSE OR IS
3 PARTICULARLY SENSITIVE TO HCG, FOR EXAMPLE?

4 CHAIRMAN LO: SO WHAT I'M HEARING IS THAT IT
5 SOUNDS LIKE WE'RE ALL AGREED THAT WOULD BE USEFUL FOR
6 US TO STUDY RETROSPECTIVELY SORT OF ANONYMIZED REDACTED
7 PROTOCOLS REALLY, AS KEN PUT, TO HELP US CARRY OUT OUR
8 CHARGE BETTER. I THINK WE ALL AGREE TO THAT.

9 SECOND ISSUE WOULD BE SHOULD WE OFFER TO BE
10 INVOLVED IN LOOKING AT FUNDABLE PROPOSALS OR FUNDED
11 PROPOSALS, WHICH EVERYONE IS SAYING ONLY THOSE THAT
12 INVOLVE OOCYTE DONATIONS. AND THE IDEA I HEARD
13 YESTERDAY WAS WE DIDN'T WANT TO SLOW DOWN THE GRANTS
14 MAKING PROCESS, SO IT WOULD BE AFTER THEY HAD SORT OF
15 BEEN AWARDED FUNDING, BUT BEFORE THEY ACTUALLY GOT THE
16 MONEY AS PART OF THAT DUE DILIGENCE TO SAY, WELL, FOR
17 THIS SMALL SUBSET OF GRANTS, WE WOULD OFFER TO REVIEW
18 THEM IF THE GRANTS-MAKING AGENCY OR THE GRANTS-MAKING
19 COMMITTEE OR OFFICERS THOUGHT THAT WAS USEFUL. I DON'T
20 KNOW, JEFF AND MARCY, IF THAT SORT OF -- WE DON'T WANT
21 TO SORT OF TRY AND DO TOO MUCH AND SORT OF MESS THINGS
22 UP, BUT WE WANT TO BE AVAILABLE IN THESE SORT OF
23 RELATIVELY FEW CASES WHERE THERE ARE ETHICAL CONCERNS
24 IMPLICATED BECAUSE OF THE NATURE OF OOCYTE DONATION FOR
25 RESEARCH.

1 JEFF, YOU MISSED THE BEGINNING. WE'RE SORT
2 OF GOING BACK TO WHAT YOU RAISED YESTERDAY WITH REGARD
3 TO IF THERE ARE --

4 MR. SHEEHY: I THINK IT'S FEASIBLE. YOU
5 KNOW, THERE IS A RELATIVELY LONG GAP BETWEEN THE GRANTS
6 APPROVAL, NOT APPROVAL, THE RECOMMENDATIONS FROM THE
7 GRANTS WORKING GROUP AND THE ACTUAL PROCESSION TO THE
8 ICOC. PART OF THAT IS THAT SCORES, COMMENTS, THERE'S
9 QUITE A BIT OF INFORMATION THAT IS COLLECTED, ANALYZED,
10 AND THEN PUT INTO A PACKAGE FOR THE ICOC FOR US TO BE
11 ABLE TO DO THE GRANT REVIEW AT THE ICOC. SO AS YOU CAN
12 IMAGINE, MANY OF US SAT THROUGH PEER REVIEW. THERE'S A
13 LOT THAT GOES ON THERE, AND TO DISTILL THAT INTO
14 SOMETHING FOR A LARGE NUMBER OF GRANTS THAT CAN BE
15 MEANINGFUL FOR ANOTHER BODY THEN TO MAKE APPROVAL
16 TAKES -- I MEAN IT'S NOT MONTHS, BUT IT'S -- I DON'T
17 THINK IT'S BEEN DONE IN LESS THAN A MONTH, AND USUALLY
18 IT'S A MONTH, ONE TO TWO MONTHS, FOUR TO SIX WEEKS.

19 SO YOU CAN IMAGINE THAT IF WE COULD DESIGN
20 THE RIGHT KIND OF DOCUMENTATION IN THE GRANT
21 APPLICATION PROCESS TO COLLECT THE INFORMATION IN A
22 REALLY USABLE FORM BECAUSE RIGHT NOW THE PROTOCOLS AND
23 PROCEDURES THAT THEY'RE USING -- THAT AN APPLICANT MAY
24 BE USING FOR EGG DONATION OR OOCYTE COLLECTION ISN'T
25 REALLY EVIDENT, THOUGH OBVIOUSLY THEY'RE HAVING TO

1 PREPARE THAT FOR THEIR SCRO'S OR THEIR IRB.

2 SO IF WE JUST COULD PUT MAYBE ANOTHER BUTTON,
3 THIS IS ALL ON COMPUTER, SO THEY FILE ALL THIS STUFF.
4 WE CAN JUST PUT IN A COLLECTION POINT FOR THOSE
5 SPECIFIC GRANTS, HAVE THEM SUBMIT THAT DATA. I DON'T
6 THINK IT WOULD BE A TERRIBLY ONEROUS THING. REALLY YOU
7 COULD JUST MAKE THOSE APPLICATIONS ACCESSIBLE TO US BY
8 COMPUTER OR IF WE NEED TO PRINT DOCUMENTS, BUT YOU CAN
9 GET THAT INFORMATION TO US AND WE CAN HAVE A LOOK AT IT
10 FAIRLY EASILY.

11 DR. KIESSLING: HOW WOULD THIS RELATE TO THE
12 IRB AND THE ESCRO REVIEW THOUGH? I DON'T THINK WE WANT
13 TO UNDERWRITE OR IN ANY WAY SECOND-GUESS THOSE REVIEW
14 BODIES.

15 MR. SHEEHY: SOMETIMES THOSE REVIEWS HAVEN'T
16 TAKEN PLACE YET.

17 DR. KIESSLING: I DIDN'T KNOW THAT. I
18 ASSUMED THAT THERE'S A PRETTY BIG BUTTON ON THE GRANT
19 SUBMISSION LIST, IT LOOKS TO ME LIKE. HAS THIS BEEN
20 ESCRO REVIEWED? CERTAINLY HARVARD'S GRANTS ARE ALL
21 ESCRO REVIEWED BEFORE ANYTHING HAPPENS, ALTHOUGH SOME
22 OF THOSE ARE PRETTY PRIVATELY FUNDED. SO NOW YOU
23 ASSUME THAT THIS GRANT GOT A VERY HIGH PRIORITY SCORE
24 AND IT'S VERY LIKELY TO BE FUNDED, AND SO NOW THIS
25 INSTITUTION IS GOING TO GO TO THE TROUBLE TO PUT IT

1 THROUGH BOTH IRB AND ESCRO REVIEW. THEN WHERE WOULD WE
2 FIT IN?

3 MR. SHEEHY: IT JUST SEEMS TO ME THAT BETWEEN
4 THE GRANT RECOMMENDATION, AND WE GENERALLY HAVE THREE
5 CATEGORIES OF GRANT RECOMMENDATIONS, SO I WOULD
6 PROBABLY ASK FOR THIS REVIEW -- WE'VE NEVER REACHED
7 INTO THE THIRD TIER. I THINK IT WOULD TAKE EXCEPTIONAL
8 CIRCUMSTANCES FOR US TO DO SO. AND OUR TIERS ARE
9 RECOMMENDED FOR FUNDING, RECOMMENDED FOR FUNDING IF
10 FUNDS ARE AVAILABLE, AND THEN THE THIRD TIER IS NOT
11 RECOMMENDED FOR FUNDING. AND THERE'S AN EXTREME
12 RELUCTANCE, AS YOU CAN WELL IMAGINE, TO GO INTO THE
13 THIRD TIER. BUT THE FIRST TWO TIERS, TO LOOK AT GRANTS
14 THAT INVOLVE OOCYTE DONATION, MAYBE IT DOES OVERLAP
15 WITH THE SCRO'S AND THE IRB'S, BUT TO BE PERFECTLY
16 HONEST, THE SCRO'S ARE NEW INVENTIONS. I DON'T THINK
17 WE'D BE UNDERMINING THEM. I THINK IT WOULD BE PROBABLY
18 AN INTERESTING WAY TO HAVE A DIALOGUE BETWEEN THE
19 POLICYMAKING BODY, WHICH IS US, AND THE POLICY
20 IMPLEMENTATION BODY, WHICH IS THE SCRO'S.

21 I JUST WONDER WHEN ARE WE EVER GOING TO KNOW
22 WHAT'S GOING ON. THIS MAY NOT BE SOMETHING THAT LASTS
23 MUCH PAST THE INITIAL PHASE. ONCE WE CAN GET
24 GUIDELINES, I THINK AS DR. KING WAS SAYING YESTERDAY,
25 ONCE WE GET A GOOD GROUNDING IN THIS, WE MAY NOT NEED

1 TO DO THIS, BUT I THINK STARTING OFF BECAUSE OF THE
2 NOVELTY.

3 CHAIRMAN LO: LET'S TRY AND DISTINGUISH AGAIN
4 THE GOALS WE MIGHT HAVE. CERTAINLY THE GOAL OF
5 EDUCATING OURSELVES, UNDERSTANDING WHAT ISSUES WE NEED
6 TO PAY MORE ATTENTION TO, NOW, THAT CAN BE DONE AFTER
7 THE MONEY HAS BEEN RECEIVED. BUT I THOUGHT I HEARD,
8 JEFF, YESTERDAY YOU SORT OF RAISED A CONCERN ABOUT A
9 PARTICULAR GRANT THAT WAS DEEMED FUNDABLE WHERE THERE
10 SUBSEQUENTLY WERE CONCERNS RAISED ABOUT THE QUALITY OF
11 A SCRO REVIEW. AND THAT I THOUGHT THE SUGGESTION WAS
12 THAT CIRM AS A FUNDING AGENCY MIGHT NOT WANT TO ALWAYS
13 TOTALLY DEFER TO THE LOCAL IRB AND SCRO IN TERMS OF
14 DECIDING WHETHER THE ETHICAL ISSUES WERE FULLY
15 ADDRESSED.

16 AND I THINK ANN HAS RAISED THE ISSUE OF
17 THERE'S A -- IT REALLY HAS IMPLICATIONS FOR WHO'S
18 RESPONSIBLE FOR WHAT. AND I THINK IT'S SOMETHING WE
19 SHOULD THINK ABOUT. WE CAN SORT OF SAY, WELL, WE'RE
20 NOT GIVING APPROVAL, DISAPPROVAL. WE'RE MAKING
21 SUGGESTIONS, BEING HEURISTIC, I THINK, WAS KEN'S TERM,
22 BUT IN POINT OF FACT, THERE'S A DIFFERENCE BETWEEN IF
23 WE'RE TRYING TO SAY WE'D LIKE TO ENCOURAGE SOME
24 IMPROVEMENTS IN THIS PROPOSAL RATHER THAN THIS PROPOSAL
25 IS FUNDED. NOW LET'S LOOK AT IT TO SEE WHAT WE CAN

1 LEARN.

2 MR. SHEEHY: I'D MAKE AN ADDITIONAL POINT,
3 WHICH IS JUST A FUNDAMENTAL STRUCTURAL REALITY OF
4 EVERYTHING. THE ICOC IS THE DECISION BODY. SO EVEN
5 THE GRANTS REVIEW IS ONLY RECOMMENDATIONS, SO IT
6 DOESN'T SEEM -- THE IRB ACTUALLY AND THE SCRO'S ARE
7 DECISION-MAKING BODIES AT THOSE INSTITUTIONS. WE WOULD
8 NOT BE SUPPLANTING THEIR ROLES AS DECISION-MAKING
9 BODIES. BUT IN THE CONTEXT OF A GRANT APPROVAL BODY,
10 WHICH IS THE ICOC, FOR US TO HAVE SENT UP
11 RECOMMENDATIONS ABOUT THIS, I MEAN CERTAINLY I THINK AS
12 AN ICOC MEMBER, THAT WOULD BE VERY HELPFUL. I WOULD
13 NOT WANT TO APPROVE A GRANT THAT HAS SOME QUESTIONABLE
14 ETHICAL CONCERNS. AND TO BE ABLE TO POINT THOSE OUT,
15 MAYBE OFFER SUGGESTIONS TO AMELIORATE THEM COULD BE
16 VERY HELPFUL FOR US, BUT WE WOULD NOT BE GOING THUMBS
17 UP OR THUMBS DOWN UNDER ANY CIRCUMSTANCES. THAT'S NOT
18 REALLY HOW THESE ROLES ARE SUPPOSED TO WORK. THE ICOC
19 IS SUPPOSED TO BE THE DECISION-MAKING BODY.

20 MS. KING: I'M GOING TO TRY TO COME FROM WHAT
21 I UNDERSTAND AS A PRACTICAL ISSUE. THE PRACTICAL ISSUE
22 IS THERE WILL BE SOME TIME BEFORE EXPERTS WE WOULD LIKE
23 TO HIRE TO HELP US COME UP WITH GUIDELINES, ETC., FOR
24 BEST PRACTICES THAT CAN BE PUT IN PLACE. SO THERE'S A
25 TIME LAG. WHAT PROBLEM DOES THE TIME LAG CREATE FOR

1 CIRM?

2 I THINK THAT THE PROBLEM THAT IS POTENTIALLY
3 CREATED IS THAT IN A REALLY DELICATE ASPECT OF STEM
4 CELL RESEARCH, I.E., USING FRESH OVA FROM DONORS, THE
5 QUESTION IS DO YOU WANT TO MAKE SURE -- THIS IS NOT
6 ETHICAL. THIS IS PRACTICAL -- YOU WANT TO MAKE SURE
7 YOU DON'T HAVE ANYTHING BLOW UP IN YOUR FACE. THAT'S
8 ABOUT AS PRACTICAL AS I CAN MAKE IT.

9 I SUSPECT THAT ONE OF THE REASONS THAT AT NIH
10 YOU'RE GETTING MORE ETHICAL QUESTIONS FROM THE STUDY
11 SECTION IS THAT THEY FIND SOMETHING THAT WE'VE ALWAYS
12 KNOWN TO BE TRUE, AND THAT IS THAT IRB'S CAN LOOK AT
13 THE SAME PROTOCOL AND REACH VERY DIFFERENT CONCLUSIONS
14 ABOUT THE PROTOCOL, WHICH IN THE MAIN IS NOT ALWAYS A
15 HUGE ISSUE. IT'S SORT OF BUILT INTO THE SYSTEM. BUT
16 WHERE YOU ARE HAVING -- YOU REALLY WORRIED ABOUT DOING
17 SOMETHING AS BEST YOU CAN FROM THE VERY BEGINNING, EVEN
18 IF YOU DIVEST WHAT YOU'RE DOING LATER WHEN THERE ARE
19 GUIDELINES, ETC., IT SEEMS TO ME THAT IS THE ISSUE THAT
20 WE'RE GRAPPLING WITH IN PRACTICAL TERMS.

21 AND SO THE QUESTION IS, ONE, YOU MAY NOT
22 AGREE THAT YOU ALL THINK THAT THAT'S THE ISSUE, BUT FOR
23 ME THE NEXT QUESTION BECOMES WHAT CAN WE DO CONSISTENT
24 WITH WHAT OUR ROLE IS? WHAT I ACTUALLY HEARD BERNIE
25 SAY WHEN HE DID HIS FIRST OUTLINE, HE KEPT USING THE

1 TERM "OFFER OF ASSISTANCE." I DON'T THINK THAT -- I
2 THINK THAT ONE OF THE THINGS THAT WE CAN DO IS POSE
3 THIS TO PEOPLE WHO ACTUALLY HAVE RESPONSIBILITY FOR
4 GRANT MAKING AND IN THAT PROCESS ABOUT WHETHER THEY SEE
5 THIS AS AN ISSUE. AND IF THEY DO, IN FACT, SEE THIS AS
6 AN ISSUE, CAN WE HELP BY LOOKING AT SOME SUBSET AFTER
7 INITIAL REVIEW OF APPLICATIONS THAT HAVE BEEN APPROVED,
8 AT LEAST GOTTEN RECOMMENDED FOR FUNDING, TO HELP US GET
9 SOME KIND OF HOLD OF THIS PROBLEM. AND THAT'S REALLY
10 THE ONLY THING I SEE THAT'S GOING ON HERE. AND IF
11 THERE'S NO INTEREST, THEN THERE'S NO INTEREST.

12 I THINK WHAT WE'VE DONE HERE IS, LEAVING
13 ASIDE THE EDUCATIONAL VALUE TO US, THAT'S ANOTHER
14 ISSUE, WHAT WE'RE DOING HERE IS WE SEE SOME EXPERTISE
15 HERE THAT MIGHT BE USEFUL WITH A REAL WORLD PROBLEM FOR
16 WHAT WE HOPE IS NOT A VERY LONG PERIOD OF TIME. AND IF
17 OTHERS AGREE, THAT'S FINE. AND WE COULD DO THAT. IF
18 THEY DON'T, WE WON'T.

19 DR. ROWLEY: WELL, I WANTED TO MAKE THE POINT
20 THAT WHAT WAS RAISED YESTERDAY BY KEN IN HIS SHOCK OVER
21 THE FACT THAT A HUNDRED IN 100,000 OR ONE IN A THOUSAND
22 WOMEN HAS SOME TYPE OF OHSS, APPARENTLY THE MINIMAL
23 FORM WITH MINOR SYMPTOMS THAT YOU TAKE CARE OF AT HOME,
24 IS PRESENT IN 80 PERCENT OF THE WOMEN AND THE MORE
25 SEVERE FORMS ARE PRESENT, OF COURSE, MUCH MORE RARELY.

1 THE QUESTION THAT WAS RAISED IS THESE MAY BE
2 APPROPRIATE RISKS FOR A WOMAN AND A FAMILY THAT IS
3 TRYING TO GET PREGNANT, BUT ARE THEY REASONABLE RISKS
4 FOR SOMEONE WHO IS DOING THIS ALTRUISTICALLY?

5 THAT WAS SOMETHING THAT I HAVE TO SAY I NEVER
6 THOUGHT ABOUT. AND SO WHAT WE'RE REALLY STRUGGLING
7 WITH IS FOR EGG DONATIONS FOR RESEARCH PURPOSES, THEN,
8 A, SHOULD THERE BE A DIFFERENT SET OF STANDARDS AS
9 COMPARED WITH IVF; AND, B, IF THERE ARE A DIFFERENT SET
10 OF STANDARDS, WHAT SHOULD THEY LOOK LIKE? AND THAT'S
11 WHERE THE EXPERTS MAYBE WILL GIVE US SOME ADVICE, NOT
12 ONLY WHAT'S PRESENTLY HAPPENING, BUT WHAT WOULD THEY
13 THINK WOULD BE ACCEPTABLE IN THIS SPECIAL GROUP. AND
14 THEN TO CALL ATTENTION TO THE INVESTIGATORS WHO ARE
15 GOING TO USE THE DONATED OOCYTES THAT, IN FACT, THEY
16 MAY HAVE TO TAKE SPECIAL CARE.

17 IT SEEMS TO ME IT'S THE LATTER THAT WE'RE
18 REALLY CONCERNED ABOUT. ARE THEY AWARE THAT THIS
19 ETHICAL ISSUE HAS BEEN RAISED, WHICH IN ONE SENSE WE
20 HAVEN'T RESOLVED EXCEPT IT SEEMS TO ME THAT WE
21 GENERALLY AGREE THAT THERE SHOULD BE A DIFFERENT LEVEL
22 OF RISK IN THESE TWO CATEGORIES. AND HAVE THE
23 INVESTIGATORS REALLY THOUGHT ABOUT THIS, AND ARE THEY
24 IN THEIR PROTOCOL DEALING WITH THIS QUESTION IN TERMS
25 OF REDUCING RISK? IF SO, HOW? THAT'S THE ETHICAL

1 ISSUE, IT SEEMS TO ME, WHERE WE NEED TO REVIEW IT. AND
2 IF THEY HAVEN'T PAID ANY ATTENTION AND SAY THEY'RE
3 GOING TO USE THE STANDARD PROCEDURES, THE QUESTION IS
4 ARE STANDARD PROCEDURES APPROPRIATE IN THIS INSTANCE?

5 CHAIRMAN LO: OTHER QUESTIONS, COMMENTS?
6 FRANCISCO, DO YOU WANT TO GET IN ON THIS DISCUSSION?

7 DR. PRIETO: NO. THAT'S OKAY. THANK YOU.
8 THAT'S FINE.

9 CHAIRMAN LO: COULD I ASK A QUESTION TO JEFF
10 AND MARCY BECAUSE I ACTUALLY HAVE NOT LOOKED AT THE
11 APPLICATION FORM. IS THERE AN ETHICAL ISSUES/HUMAN
12 SUBJECTS PART OF THE CIRM APPLICATION PROCESS?

13 DR. PRIETO: BERNIE, YOU STILL ARE BREAKING
14 UP A BIT.

15 CHAIRMAN LO: I WAS ASKING WHETHER IN THE
16 CIRM APPLICATION PROCESS THERE'S A HUMAN SUBJECTS OR
17 ETHICAL ISSUES SECTION AS THERE IS IN NIH GRANTS.

18 MR. SHEEHY: YEAH. I DID NOT IDENTIFY THAT
19 IN THE ONE THAT RAISED TROUBLING ISSUES FOR ME. AND
20 THAT, AGAIN, COMES TO MY POINT, THAT IF WE HAD A
21 UNIFORM POLICY, YOU KNOW, I LOOK AT THIS, I LOOK AT
22 THEIR PROPOSAL, AND I USE THE EXAMPLE OF THE ONE THAT
23 RAISED QUESTIONS FOR ME. I LOOKED AT WHAT THEY WERE
24 PROPOSING. WELL, WHAT COULD I REALLY SAY? WHAT COULD
25 I REALLY DO TO PULL AN INDIVIDUAL GRANT OUT ABSENT ANY

1 KIND OF UNIFORM POLICY DOESN'T -- YOU KNOW, FEELS,
2 BASED ON A GUT INSTINCT, THAT ALBEIT TURNED OUT TO BE
3 RIGHT, IS NOT AN APPROPRIATE POLICY FOR AN AGENCY TO
4 FOLLOW. THERE NEEDS TO BE UNIFORMITY AND EQUITY.

5 SO THAT JUST DIDN'T READ RIGHT TO ME. AND
6 THERE IS A REAL LACK OF DETAIL WITHIN THE APPLICATIONS
7 ABOUT HOW THESE PROCEDURES ARE GOING TO BE DONE.

8 CHAIRMAN LO: SO IT SOUNDS LIKE -- I MEAN PAT
9 RAISED THE ISSUE OF A TIME LAG. THERE ARE VARIOUS GAPS
10 HERE THAT ONE MIGHT BE CONCERNED ABOUT. ONE THAT PAT
11 IDENTIFIED WAS THE TIME LAG BETWEEN NOW AND WHEN OUR
12 EXPERT CONSULTANTS MAKE RECOMMENDATIONS ON WHAT THEY
13 SHOULD BE DOING. A SECOND GAP IS, I THINK, IN THE
14 ACTUAL APPLICATION, THAT WE'RE NOT ASKING THEM NOW TO
15 PROVIDE THE INFORMATION THAT WOULD ADDRESS THE
16 QUESTIONS THAT JANET SUMMARIZED, I THINK, VERY NICELY
17 AND THE EXPERT CONSULTANTS WILL HELP PROVIDE
18 GUIDELINES.

19 DR. PRIETO: I'M STILL MISSING ABOUT HALF OF
20 WHAT YOU SAY.

21 CHAIRMAN LO: I'M SORRY, FRANCISCO. I WAS
22 SAYING THAT IS THERE'S A GAP IN THE CURRENT APPLICATION
23 FORM THAT DOES NOT INCLUDE AN ETHICAL ISSUES/HUMAN
24 SUBJECTS PART, AND THAT CONTAINS INFORMATION THAT FOR
25 THIS SMALL GROUP OF PROTOCOLS INVOLVING OOCYTE

1 DONATION, WE WOULD WANT TO MAKE SURE THE ISSUES JANET
2 VERY NICELY SUMMARIZED ARE ADDRESSED BEFORE THE
3 RESEARCH STARTS. AND SO IN THE TIME BETWEEN THE
4 RECOMMENDATION -- THE DELIBERATIONS OF THE GRANTS
5 WORKING GROUP AND THE DECISION BY THE ICOC, THERE WOULD
6 BE TIME TO ALERT -- WE NEED TO ALERT INVESTIGATORS THEY
7 NEED TO REALLY THINK THIS THROUGH. THEY'LL NEED TO DO
8 IF FOR THEIR SCRO APPLICATION, BUT WE WOULD BE MORE
9 COMFORTABLE AS A FUNDING AGENCY TO MAKE SURE THEY HAD
10 WORKED ON IT BEFORE WE SORT OF SAT HERE.

11 IT NEED NOT NEGATE THE FUNDING
12 RECOMMENDATION, BUT IT WOULD BE SORT OF A MORE EXPLICIT
13 RECOGNITION. OF COURSE, WE'RE ONLY FUNDING YOU SUBJECT
14 TO GETTING THE PROPER APPROVAL AND ADDRESSING THESE
15 ETHICAL ISSUES, WHICH ARE MORE COMPLICATED THAN THE
16 USUAL KINDS OF CONCERNS ONE HAS WITH RESEARCH. THAT'S
17 WHY WE, I THINK, MAKE THE OFFER TO REVIEW IF IT'S
18 DEEMED HELPFUL TO THE REST OF CIRM TO REVIEW THIS SMALL
19 NUMBER OF PROTOCOLS.

20 DR. KIESSLING: BERNIE, IT SOUNDS LIKE WHAT
21 YOU'RE GETTING AT IS THAT WE NEED TO COME UP WITH A
22 LIST OF POSSIBLE RESEARCH AREAS THAT WE THINK ARE
23 SENSITIVE. EGG DONATION IS NOT THE ONLY ONE.
24 HARVARD'S GOT ITS FIRST GRANT TO MAKE A CHIMERA. SO WE
25 PROBABLY, RATHER THAN, YOU KNOW, KEEP PUTTING OUT BRUSH

1 FIRES, IT WOULD PROBABLY BE HELPFUL IF WE JUST HAD A
2 SHORT LIST OF RESEARCH AREAS THAT WE THINK FALL UNDER
3 THIS GET THIS ETHICALLY REVIEWED BEFORE WE CONSIDER IT
4 FOR BASIC SCIENCE OR SOMETHING LIKE THAT.

5 DR. PRIETO: IF I COULD COMMENT. THAT SOUNDS
6 LIKE A VERY GOOD IDEA. AND I GUESS THE OTHER QUESTION
7 IS AT WHAT POINT DO WE ADDRESS GRANTEES OR POTENTIAL
8 GRANTEES TO ALERT THEM THAT THEY HAVE TO PAY SPECIAL
9 ATTENTION TO THIS? WHAT POINT IN THE PROCESS FROM RFA
10 TO GRANT APPLICATION, ETC., ETC. DO WE RAISE THE RED
11 FLAG, SO TO SPEAK?

12 CHAIRMAN LO: I THINK THAT WOULD BE UP TO THE
13 GRANTS WORKING GROUP TO DECIDE. I THINK PROBABLY
14 GRANTEES SHOULD BE ALERTED IF YOU'RE GOING TO SUBMIT A
15 PROPOSAL ON A SENSITIVE TOPIC LIKE FRESH OOCYTE
16 DONATION OR DERIVATION OF CHIMERIC HSC LINE.

17 DR. PRIETO: I THINK ANN'S IDEA OF
18 IDENTIFYING THE AREAS IS A GOOD ONE THOUGH. AND THEN
19 MAYBE THIS COULD JUST BECOME A ROUTINE PART OF THE
20 GRANTS ADMINISTRATION PROCESS.

21 CHAIRMAN LO: RIGHT.

22 MR. SHEEHY: PROBABLY THE RFA PROCESS IS WHAT
23 I WOULD SAY BECAUSE IT NEEDS TO BE UP FRONT.

24 DR. TAYLOR: IT SEEMS TO ME THAT THERE'S A
25 BIG HOLE IN THE APPLICATION RIGHT NOW. AND WHILE IT'S

1 A GOOD IDEA TO IDENTIFY SOME PARTICULARLY SENSITIVE
2 AREAS, IT SEEMS LIKE IT'S A REAL GAFF TO NOT HAVE A
3 HUMAN EXPERIMENTATION/ETHICS COMPONENT OF THE ONLINE
4 APPLICATION. AND IT WOULD JUST BE A BOX THAT COULD BE
5 FILLED IN. IT SEEMS TO ME THAT THAT'S SOMETHING THAT
6 SHOULD BE CORRECTED BY THE GRANTING SUBCOMMITTEE
7 IMMEDIATELY.

8 CHAIRMAN LO: AGAIN, I DON'T KNOW WHAT KIND
9 OF PROPOSALS YOU'RE GETTING, BUT I THINK A LOT OF THEM
10 ARE IN VITRO WORK WITH EXISTING CELL LINES THAT MEET
11 THE CIRM STANDARDS FOR ACCEPTABLE STEM CELL LINES SO
12 THAT REALLY AREN'T FOR MANY APPLICANTS CONCERNS LIKE
13 THIS. BUT, JEFF AND MARCY, I HAVEN'T SEEN WHAT YOU'RE
14 REVIEWING.

15 MR. SHEEHY: SHORT OF SCNT, THESE HAVE ALL
16 BEEN PRETTY MUCH BASIC SCIENCE TYPE. NO ONE IS TALKING
17 ABOUT PUTTING THESE INTO HUMANS. THE MODELS ARE ALMOST
18 ALL SMALL ANIMAL MODELS.

19 AND JUST WHILE WE'RE CREATING A LIST, AND I
20 THINK WE SHOULD ADD CLINICAL TRIALS AS ONE OF THE OTHER
21 AREAS THAT WE MIGHT PUT ON AS BEING AREAS THAT WE WOULD
22 WANT TO HAVE A LOOK. AND THERE IS A BOX TO CHECK IF
23 THERE'S BEEN SCRO OR IRB APPROVAL, BY THE WAY. IT'S A
24 LITTLE BOX WITH A CHECK.

25 MS. FEIT: I THINK THE POINT, THOUGH, IS THAT

1 I'M SITTING HERE LISTENING TO THIS DISCUSSION AND
2 REFLECTING BACK ON THE REVIEW PROCESS OF THE GRANTS,
3 AND THE WORK THAT WAS DONE WITH THIS WORKING GROUP TO
4 ESTABLISH THE ISSUES AND RAISE THE CONCERNS REGARDING
5 EGG DONATION AND SET THE STANDARDS, I CAN TELL YOU THAT
6 WAS NOT TRANSLATED OVER TO THE INVESTIGATORS WHO
7 APPLIED FOR RESEARCH. AND THAT IS A GAP. AND I THINK
8 THERE NEEDS TO BE SOME WAY OF THAT COMING RIGHT UP
9 FRONT, SAYING FOR CIRM FUNDING, THIS HAS TO BE
10 COMPLETED SO THAT WE ARE ENSURED, REGARDLESS OF OTHER
11 REVIEW BODIES, I MEAN THIS IS A SEPARATE FUNDING
12 AGENCY, AND SO THERE IS A GAP THERE. I REALLY FEEL
13 STRONGLY IF YOU INTERVIEWED ANY OF THEM TODAY THAT
14 APPLIED, THEY WOULD SAY I DIDN'T KNOW THAT. I DIDN'T
15 KNOW YOU DID ALL THAT WORK. SO THERE IS A MISSING
16 PIECE THERE.

17 CHAIRMAN LO: SO MAYBE WE CAN TRY AND SEE IF
18 WE HAVE A SENSE OF THE COMMITTEE. IS IT OUR SENSE THAT
19 WE WOULD LIKE TO OFFER TO LOOK AT PROPOSALS? I'M
20 ASSUMING WE'RE ALL ASSUMING IT'S A GOOD THING TO
21 EDUCATE OURSELVES, TO LOOK AT PROPOSALS THAT HAVE BEEN
22 RECOMMENDED FOR FUNDING THAT INVOLVE OOCYTE DONATION OR
23 CHIMERIC HSC LINES OR CLINICAL TRIALS, ALTHOUGH THOSE
24 ARE IN THE FUTURE. AND WE WOULD WANT DO THIS IN A WAY
25 THAT DOESN'T SLOW DOWN THE GRANTS APPLICATION PROCESS,

1 BUT IS MEANT TO KIND OF HELP STIMULATE THE INVESTIGATOR
2 TO THINK THROUGH ALL THE ETHICAL ISSUES THAT WE HAVE
3 BEEN THINKING ABOUT WITH REGARD TO OOCYTE DONATION.

4 DOES THAT SUMMARIZE WHAT WE'RE TRYING TO DO?

5 MR. TOCHER: BERNIE, THE WAY YOU ARTICULATED
6 IT THERE, IT WAS SORT OF QUALIFIED ON PROPOSALS THAT
7 HAVE BEEN RECOMMENDED FOR FUNDING. AND I UNDERSTAND
8 THAT FROM AN EFFICIENCY STANDPOINT. AS WE KNOW,
9 HOWEVER, WITH THE ICOC, IT'S THE DECISION MAKER AND
10 OFTEN AS NOT SOMETIMES MAKES ITS OWN DECISION TO FUND
11 APPLICATIONS WHICH MAY NOT HAVE BEEN RECOMMENDED FOR
12 FUNDING AND VICE VERSA. THAT'S BEEN A CRITICAL POINT
13 TO MAKE PUBLICLY IN LITIGATION AND ELSEWHERE.

14 AND I'M NOT SURE THAT YOU WOULD WANT TO MAKE
15 A DISTINCTION ON ADDRESSING ONLY APPLICATIONS THAT ARE
16 RECOMMENDED FOR FUNDING, BUT THAT IT MIGHT BE SOMETHING
17 THAT YOU WOULD, IF YOU ARE GOING TO DO IT, YOU WOULD
18 WANT TO DO IT ACROSS THE BOARD. I KNOW THAT THAT MAY
19 OR MAY NOT CHANGE.

20 CHAIRMAN LO: WHAT DO YOU ALL THINK?

21 DR. OLDEN: THE THIRD CATEGORY ARE THOSE
22 GRANTS APPROVED FOR FUNDING, OR THEY'RE DISAPPROVED FOR
23 FUNDING? THEY'RE NOT RECOMMENDED FOR FUNDING, BUT
24 THAT'S NOT THE SAME AS DISAPPROVED.

25 MR. TOCHER: CORRECT BECAUSE THEY DON'T

1 APPROVE OR DISAPPROVE. THE WORKING GROUP
2 RECOMMENDATIONS ARE JUST THAT, AND TYPICALLY THEY FALL
3 INTO THREE TIERS: RECOMMENDED FOR FUNDING, RECOMMENDED
4 FOR FUNDING IF FUNDS ARE AVAILABLE, AND THEN NOT
5 RECOMMENDED FOR FUNDING AT THIS TIME. THOSE
6 RECOMMENDATIONS, THOUGH, ARE REVIEWED IN THEIR ENTIRETY
7 BY THE ICOC, AND SO THE ICOC COULD AND HAS REACHED DOWN
8 INTO THAT THIRD TIER, NOT RECOMMENDED FOR FUNDING AT
9 THIS TIME, AND FUNDED AN APPLICATION.

10 SO MY ONLY POINT IS THAT IF IT'S JUST -- IF
11 YOU ARE GOING JUST OFF THAT FIRST OR SECOND TIER, IT'S
12 POSSIBLE THE ICOC WILL HAVE INCOMPLETE INFORMATION AS
13 TO SOME APPLICATIONS WHICH WOULD BIAS THEIR ABILITY TO
14 REVIEW.

15 CHAIRMAN LO: IT'S A SMALL NUMBER, RIGHT?

16 MR. SHEEHY: ACTUALLY I'D LIKE TO MAKE A
17 POINT. WE ACTUALLY HAVE NOT REACHED INTO THE THIRD
18 TIER EVER.

19 MR. TOCHER: IN THE TRAINING GRANTS THERE
20 WAS --

21 MR. SHEEHY: THERE WAS ONE THAT WAS
22 RECOMMENDED FOR FUNDING THAT DID NOT FUND. THERE WAS
23 NOT ONE THAT WAS NOT RECOMMENDED FOR FUNDING THAT WE
24 FUNDED. BUT MY POINT WOULD BE, AND THIS IS REALLY ALL
25 ABOUT WORKLOAD AND EFFICIENCY, AND NOT TO

1 OVERCOMPLICATE IT, BUT I THINK IT WOULD BE MUCH EASIER
2 TO DO THE FIRST TWO CATEGORIES BECAUSE IF YOU THINK OF
3 YOUR RATIOS, WE'VE KIND OF FOLLOWED ABOUT A 30-70 RATIO
4 ON MAJOR RESEARCH GRANTS. THAT'S A BALLPARK, 25, 30
5 PERCENT, THAT FALL IN THE FIRST TWO CATEGORIES WHO GET
6 FUNDED.

7 YOU KNOW, WE DON'T WANT TO BE, YOU KNOW,
8 LOOKING AT A WHOLE HOST OF GRANTS, AND WHAT WE MIGHT
9 LET THE ICOC KNOW IS THAT IF THEY DO REACH INTO THE
10 THIRD TIER, TO COME BACK, THAT WE HAVEN'T DONE THAT
11 ETHICAL REVIEW, RATHER THAN PUT THIS BURDEN. ALSO, IT
12 RELIEVES US OF WHAT I FORESEE BEING ANOTHER PROBLEM,
13 WHICH WOULD BE TO MAKE US A DE FACTO REGULATOR, WHICH I
14 DO NOT WANT TO SEE US BECOMING BECAUSE WE ONLY CAN --
15 WE MADE THE DECISION VERY EARLY ON IN THIS BODY, AND
16 THERE'S A BIT OF DEBATE, DO WE WANT TO BE THE REGULATOR
17 FOR STEM CELL RESEARCH IN CALIFORNIA, OR DO WE WANT TO
18 GOVERN WHAT CIRM FUNDS?

19 SO IF WE'RE REVIEWING APPLICATIONS THAT
20 REALLY IN ALL LIKELIHOOD WILL NOT GET FUNDED AND
21 PROVIDING INSIGHT ON THOSE, WE ARE BECOMING A DE FACTO
22 REGULATOR; WHEREAS, IF WE REALLY HOLD OUR -- FOCUS OUR
23 ATTENTION ON THOSE THAT ARE MOST LIKELY OR HAVE A
24 STRONG POSSIBILITY OF BEING FUNDED, AND THEN MAKE SURE
25 THAT THE ICOC KNOWS THAT IF THEY DO REACH INTO THAT

1 THIRD TIER, THAT IT WOULD BE ADVISABLE FOR THEM TO SEND
2 IT BACK TO US JUST FOR A LOOK WITHIN THESE SPECIAL
3 AREAS THAT WE'VE IDENTIFIED AS BEING AREAS FOR
4 ADDITIONAL -- ACTUALLY AREAS JUST FOR SCRUTINY, THAT WE
5 THINK THE POLICIES, YOU KNOW, FOR ALL THE REASONS WE'VE
6 ELABORATED.

7 MS. KING: FOR A SHORT PERIOD OF TIME.

8 MR. SHEEHY: FOR A SHORT PERIOD OF TIME,
9 RIGHT.

10 DR. PETERS: I THINK WE'RE WORKING WITH THREE
11 DIFFERENT MODELS HERE. I'M A LITTLE BIT NERVOUS HERE
12 ABOUT WHAT JEFF WAS SAYING. I THINK THE MINIMALIST
13 MODEL IS THAT WE'VE GOT A COMMUNICATION GAP THAT NEEDS
14 TO BE FILLED. GRANTEE APPLICANTS NEED TO KNOW HOW
15 IMPORTANT OUR ETHICAL CONCERNS WITH REGARD TO OOCYTE
16 DONATION ARE.

17 I THINK THE SECOND MODEL IS KEN'S. THAT IS
18 TO SAY, WE MIGHT LOOK AT APPLICATIONS IN ORDER TO TEACH
19 OURSELVES AS TO WHAT IT IS THAT'S GOING ON, AND WE CAN
20 DO THAT RANDOMLY.

21 THE THIRD MODEL TO ME SOUNDS LIKE POLICING,
22 FRANKLY, AND THAT THAT WOULD MAKE US ACTUALLY A FACTOR
23 IN THE DECISION-MAKING. I'M WONDERING IF THAT'S MORE
24 THAN WE WANT TO DO.

25 CHAIRMAN LO: WELL, I THINK THAT'S AN

1 IMPORTANT CONCERN. I THINK WE PROBABLY DO NOT WANT
2 TO -- I MEAN WE'RE NOT CONSTITUTED TO DO GRANTS REVIEW,
3 BUT I THINK WHAT WE COULD DO IS TO LOOK AT -- I THINK
4 THE DECISION TO FUND OR NOT SHOULD NOT BE IN OUR
5 DOMAIN, BUT I THINK THE POINTING OUT OF ETHICAL ISSUES
6 THAT NEED MORE CONSIDERATION OR MORE SPECIFICATION,
7 PRESUMING THEY'RE GOING TO BE FUNDED.

8 DR. PETERS: IN GENERAL OR GRANT BY GRANT?

9 CHAIRMAN LO: WELL, FOR THESE I THINK WE'RE
10 SAYING GRANT BY GRANT BECAUSE, AS PAT POINTED OUT, WE
11 DON'T HAVE A SET OF UNIFORM -- WE DON'T HAVE A SET OF
12 RECOMMENDATIONS. WE JUST SAY HERE'S WHAT YOU SHOULD BE
13 THINKING ABOUT.

14 MS. KING: BUT I DON'T THINK WE SHOULD BE IN
15 THE BUSINESS. THAT'S WHY I KEEP TALKING ABOUT GAPS. I
16 THINK YOU WANT TO BE OUT OF THE BUSINESS OF LOOKING AT
17 INDIVIDUAL GRANTS AS SOON AS HUMANLY POSSIBLE. I WOULD
18 THINK THAT IS WHEN YOU PUT OUT THESE GUIDELINES, AND
19 THAT WOULD ALSO INCREASE PRESSURE ON GETTING THE
20 GUIDELINES OUT EARLIER RATHER THAN LATER BECAUSE I
21 QUITE AGREE WITH YOU. YOU DON'T WANT TO -- YOU DON'T
22 WANT TO BE A SUPER IRB OR ANYTHING LIKE THAT. I DON'T
23 THINK ANYBODY WANTS TO DO THAT. AND ONLY FOR A -- ONLY
24 FOR A SMALL SUBSET OF GRANTS FOR A SHORT PERIOD OF
25 TIME.

1 AND THAT'S WHY I THINK MOST OF THE QUESTION
2 IS WHETHER THE WHOLE CIRM SEES IT THIS WAY TOO, OR IS
3 IT JUST US? IT'S SORT OF A PROBLEM OF INSTITUTING A
4 NEW SYSTEM WHERE THINGS ARE MOVING FASTER. I SEE IT
5 MOVING FASTER THAN YOU HAD ANTICIPATED BECAUSE I THINK
6 GOING FROM THE BASIC SCIENCE TO THINGS THAT START TO
7 INVOLVE A HUMAN BEING IS A QUICK MOVE, AND WE'RE SORT
8 OF BEHIND THE EIGHT BALL ON THE IMPLICATIONS OF MOVING
9 INTO THIS NEW AREA. THAT'S, ANYWAY, THE WAY I SEE IT.

10 CHAIRMAN LO: I THINK THESE CONCERNS ABOUT
11 NOT BECOMING A BODY THAT LOOKS AT GRANTS INTO THE
12 INDEFINITE FUTURE, I'VE HEARD SEVERAL PEOPLE SAY THAT'S
13 SOMETHING WE SHOULD AVOID. BY THE WAY, AN IMPLICATION
14 OR THE CONVERSE OF THAT IS THAT IF WE'RE CONCERNED
15 ABOUT CHIMERA APPLICATIONS COMING INTO CIRM FOR
16 FUNDING, IT SOUNDS LIKE, IF THAT'S GOING TO HAPPEN, WE
17 OUGHT TO SORT OF FIRST LEARN ABOUT, EDUCATE OURSELVES;
18 AND, SECONDLY, WE MAY NEED TO GET SOME GUIDELINES IN
19 PLACE FOR THAT SO THAT, AGAIN, WE DON'T HAVE TO REVIEW
20 THOSE ONE BY ONE.

21 DR. KIESSLING: THE HARVARD ESCRO, IN
22 RESPONSE TO THAT, HAS ACTUALLY ORGANIZED ON PRETTY
23 SHORT NOTICE A WORKSHOP JUNE 12TH IN THE AFTERNOON.
24 I'LL BE THERE, AND I CAN BE THIS COMMITTEE'S
25 REPRESENTATIVE, BUT I THINK THAT IT WOULD BE OPEN TO

1 ANYBODY WHO WOULD LIKE TO COME. AND THEY'RE GETTING
2 SOME PEOPLE IN WHO HAVE A LOT OF SOCIOLOGY BACKGROUNDS
3 ON ANIMAL/HUMAN BEHAVIOR, THAT SORT OF THING. THESE
4 APPLICATIONS ALL INVOLVE MOUSE. IT'S JUST PUTTING
5 HUMAN ES CELLS INTO MOUSE BLASTOCYSTS, BUT IT'S ONE OF
6 THE TOUCHY AREAS, AND THEN WHAT DO YOU DO WITH THOSE
7 BLASTOCYSTS AND HOW LONG CAN YOU WATCH THEM? SO THAT'S
8 THE WHOLE PURPOSE.

9 CHAIRMAN LO: I THINK WE DON'T NEED TO
10 REINVENT THE WHEEL SO THAT IF SOMEONE -- THE CURRENT
11 LITERATURE ON THIS, THERE'S AN ARTICLE IN *SCIENCE* FROM
12 THE HOPKINS GROUP WHICH IS NOT SPECIFIC ENOUGH TO BE OF
13 GUIDANCE IN LOOKING AT A PARTICULAR PROTOCOL. SO I
14 THINK THAT HANK GREELEY HAS WRITTEN ABOUT THIS; BUT,
15 AGAIN, IT'S MORE ON A CONCEPTUAL LEVEL AND IT'S NOT
16 REALLY GOING TO HELP AN INVESTIGATOR SORT OF THINK
17 THROUGH THE ISSUES AS SHE'S WRITING HER GRANT AND
18 SUBMITTING TO THE SCRO.

19 DR. KIESSLING: THE DECISION WAS MADE TO SORT
20 OF NOT COVER THE WHOLE AREA OF CHIMERAS, BUT TO
21 SPECIFICALLY FOCUS ON THESE ONE OR TWO APPLICATIONS AND
22 JUST LOOK AT THESE SPECIFIC PROBLEMS WITH THOSE
23 APPLICATIONS BECAUSE THE FIELD IS TOO BIG TO JUST
24 SWALLOW IN AN AFTERNOON.

25 CHAIRMAN LO: HAVE WE REACHED CLOSURE ON

1 THIS, THAT WE'RE GOING TO OFFER FOR A LIMITED PERIOD OF
2 TIME TO LOOK AT THESE GRANTS, BUT NOT TO BE INVOLVED IN
3 A RECOMMENDATION FOR A FUNDING, BUT JUST SORT OF IN A
4 QUALITY IMPROVEMENT SPIRIT, BUT ALSO TO REQUEST THAT,
5 FOR OUR OWN EDUCATION, THAT WE BE GIVEN A CHANCE TO
6 REVIEW REDACTED GRANTS? OKAY.

7 DO YOU WANT TO MOVE ON TO --

8 DR. ROWLEY: CAN I JUST ASK, GEOFF, IS THIS
9 GOING TO CAUSE PROBLEMS THAT YOU CAN FORESEE IN TERMS
10 OF GRANTS OR GRANT REVIEW OR THE PROCESS?

11 DR. LOMAX: I'LL OFFER SCOTT A CHANCE TO
12 CHIME IN IF HE LIKES. I'M SOMEWHAT REMOVED FROM THE
13 ACTUAL OR I AM REMOVED FROM THE PROCESS OF THE
14 MECHANICS OF THE GRANT. I'M REALLY GOING TO GO BACK TO
15 MY COLLEAGUES AND RELATE THIS CONVERSATION AND
16 HOPEFULLY WE ABLE TO PROVIDE A BETTER ANSWER.

17 I CERTAINLY THINK, YOU KNOW, IN THE
18 CONVERSATION I HAVE HAD WITH THE GRANTS TEAM, THEY HAVE
19 ASKED ME IN TERMS OF THE REGULATIONS, THEY'VE STRICTLY
20 SAID -- INITIATED A MUCH MORE FOCUSED PROCESS ON SORT
21 OF, OKAY, NOW SPECIFICALLY WHERE DO WE NEED TO BE
22 REALLY DRILLING DOWN? THAT, AS SCOTT WILL TOUCH ON IN
23 HIS REPORT, IS BECAUSE WE ARE NOW PUTTING IN PLACE THE
24 PHYSICAL INFRASTRUCTURE. IT'S REALLY COMING TOGETHER.
25 AND SO I HAVE HIGHLIGHTED THE ISSUE OF THE OOCYTE

1 GRANTS. I'VE POINTED TO THAT PIECE IN THE REGULATIONS,
2 AND WE HAVE BEGUN TO THINK THROUGH PROCEDURALLY
3 ADDITIONAL CHECKS AND PROCEDURES WE'LL PUT IN PLACE.
4 SO I THINK WITHIN THAT CONTEXT, WHAT I'M TAKING AWAY
5 FROM THAT IS THAT THERE'S A CLEAR RECEPTIVENESS AND
6 SPIRIT TO SORT OF SAY, YES, OKAY. GIVE US YOUR BEST
7 THINKING HERE ON WHAT WE CAN DO.

8 THE CONTENT OF THIS DISCUSSION I'LL BE ABLE
9 TO TAKE BACK. THAT WILL BE EXTREMELY HELPFUL BECAUSE
10 IT SERVES TO REALLY ENDORSE SOME OF THE POINTS I'VE
11 RAISED. I GUESS MY SENSE AT THIS POINT WOULD BE TO
12 CONTINUE TO MOVE THAT CONVERSATION FORWARD. IT'S
13 RELATIVELY NEW FOR EVERYONE NOW THAT THEY'RE THINKING
14 ABOUT IT IN THE CONTEXT OF THE SORT OF MECHANICS OF
15 REVIEW AND ADMINISTRATION OF THESE GRANTS, BUT IT'S ALL
16 VERY CONSISTENT WITH THE TRAJECTORY THAT THE
17 ORGANIZATION HAS AT THIS TIME. DOES THAT GET IT?

18 MR. TOCHER: I WOULD ONLY ADD THAT RIGHT NOW,
19 AS YOU WILL SEE IN A FEW MOMENTS WHEN I JUST GO OVER A
20 QUICK SLIDE TO SHOW YOU SORT OF THE ADMINISTRATION OF A
21 GRANT ONCE IT'S FUNDED, SORT OF THE PROCESSES THERE, IS
22 THAT RIGHT NOW THE CONVERSATIONS THAT GEOFF IS TALKING
23 ABOUT OCCUR AFTER A GRANT HAS BEEN DETERMINED TO BE
24 FUNDED BY THE ICOC, AND THEN IT INITIATES AN
25 ADMINISTRATIVE REVIEW TO ENSURE COMPLIANCE WITH IACUC

1 AND OUR REGULATIONS AS THEY ARE IMPLICATED. SO THAT'S
2 BEEN A CONVERSATION THAT IS OCCURRING SORT OF AT THE
3 ADMINISTRATION STAFF LEVEL OF WHAT SORT OF
4 DOCUMENTATION, THAT SORT OF THING.

5 SO THE ONE THING I WOULD NOTE IS THAT THE
6 ADDED, I THINK, WRINKLE FOR WHAT WE'VE BEEN TALKING
7 ABOUT TODAY, THOUGH, IS THE NOTION OF PARTICIPATING
8 OBVIOUSLY EARLIER IN THAT PROCESS, SO PRIOR TO THE
9 GRANT APPROVAL BY THE ICOC. AND SO THAT'S A DIFFERENT
10 CONVERSATION AND I THINK ONE THAT OBVIOUSLY WE'D WANT
11 TO TALK TO THE ICOC ABOUT SO THAT WE KNOW IS THIS
12 SOMETHING WE NEED TO HIGHLIGHT IN RFA'S? IS THIS
13 SOMETHING THAT WE NEED TO BUILD INTO THE REVIEW PROCESS
14 SO THAT EVERYONE'S ON ALERT THAT THINGS WILL GET KICKED
15 OUT AND HAVE SORT OF A SECONDARY LOOK BY THIS GROUP
16 BEFORE IT GOES TO THE ICOC? DO THEY WANT YOU TO LOOK
17 AT TIER 3 OR NOT? AT LEAST MAKE THEM AWARE THAT THIS
18 IS SOMETHING THAT YOU'RE INTERESTED IN KICKING AROUND.

19 CHAIRMAN LO: I THINK THIS IS ALL AN OFFER.
20 IT'S CONTINGENT ON THE ICOC, THE GRANTS-MAKING WORKING
21 GROUP TO SAY, YES, WE'D LIKE YOU TO GET INVOLVED. IF
22 THEY SAY, YOU KNOW, THIS IS REALLY GOING TO MESS THINGS
23 UP AND IT'S GOING TO MAKE THE -- THEN I THINK --

24 MR. TOCHER: PLEASE, I'M ONLY SPEAKING TO THE
25 PROPOSALS THAT WE'VE BEEN TALKING ABOUT ABOUT

1 PARTICIPATION PRIOR TO A SPECIFIC GRANT AND WEIGHING IN
2 ON IT. THE NOTION OF COLLECTING THE DATA, NOT ONLY OF
3 OTHER UNIVERSES, BUT OF OUR GRANTS AFTER THEY HAVE BEEN
4 FUNDED TO EXAMINE, TO GO BACK AND SEE IS THERE
5 COMPLIANCE? HOW ARE WE DOCUMENTING THAT? IS THERE A
6 WAY TO IMPROVE THIS? THAT'S PART AND PARCEL OF YOUR
7 EXISTING MISSION THAT I THINK YOU HAVE ALREADY APPROVAL
8 AND AUTHORITY TO DO.

9 CHAIRMAN LO: IN TERMS OF THIS REVIEW OF
10 LOOKING AT OOCYTE DONATION PROTOCOLS, IF THE ICOC SAYS
11 WE'D RATHER MAKE OUR DECISION AND JUST HAVE YOU LOOK AT
12 THE ONES WE'RE GOING TO FUND, IF THEY THINK THAT WOULD
13 BE HELPFUL, THAT'S FINE TOO. I THINK WE'RE REALLY
14 MAKING AN OFFER TO SEE WHAT MIGHT BE HELPFUL. I'D SORT
15 LEAVE OF THE ICOC AND THE GRANTS WORKING GROUP TO SORT
16 OF SEE WHAT THEY THINK ABOUT IT.

17 MR. TOCHER: I MIGHT SUGGEST THAT THE NEXT
18 STEP IS TO AT THE NEXT AVAILABLE MOMENT FOR AN ICOC
19 MEETING IS TO MAYBE MAKE A REPORT ABOUT WHAT WAS
20 DISCUSSED HERE THAT WOULD AT LEAST ALERT THE BOARD ON A
21 FORMAL LEVEL THAT THIS IS SOMETHING THAT WE'VE BEEN
22 KICKING AROUND TODAY.

23 CHAIRMAN LO: WE COULD DO THAT, AGAIN, AS A
24 SENSE OF THIS COMMITTEE.

25 WE ARE NOW AT 10:30. WE'VE BEEN DOING GOOD

1 WORK. DO YOU WANT TO TAKE A BRIEF BREAK, AND THEN WE
2 NEED TO ADDRESS THE DATA ON OHSS, AND THEN WE HAVE SOME
3 UPDATES FROM GEOFF AND SCOTT AND SOME NEW ISSUES TO
4 RAISE. WE DESERVE A TEN-MINUTE BREAK.

5 (A RECESS WAS TAKEN.)

6 CHAIRMAN LO: SO AS WE'RE CONVENING, LET ME
7 TRY TO QUICKLY BECAUSE I DO HAVE A SENSE OF WANTING TO
8 COMPLETE SOME OF THE THINGS THAT WE NEED TO LOOK AT.
9 WE TALKED YESTERDAY ABOUT GETTING MORE DATA ON THE
10 INCIDENCE OF OHSS IN OOCYTE DONORS FOR RESEARCH. I
11 THINK WE ALL AGREE THAT DATA ARE NOW LACKING. IT
12 SOUNDED LIKE WHAT WE'RE SAYING IS THAT CIRM OUGHT TO
13 CONSIDER DEVELOPING AN RFP TO TRY AND ASK SOMEONE TO
14 SORT OF PROPOSE A STUDY FOR FUNDABILITY.

15 MY OWN SENSE IS THAT, GIVEN THAT CIRM IS IN A
16 TRANSITION, AS THEY HAVE INTERIM LEADERSHIP NOW AND
17 THEY'RE GOING TO HAVE, GEOFF SAID, A NEW PRESIDENT
18 HOPEFULLY BY JUNE, THAT PERHAPS THAT RECOMMENDATION OR
19 ACTION ON THAT BE PUT OFF UNTIL THERE'S A NEW EXECUTIVE
20 IN PLACE BECAUSE I THINK THAT THAT PERSON WOULD BE KEY
21 IN THAT. SORT OF TRYING TO GO AHEAD WITHOUT -- IT'S
22 SOMETHING I THINK I HEARD AGREEMENT ON THAT, AND I
23 THINK IT'S JUST A MATTER OF WHEN WE PROPOSE THAT CIRM
24 DO IT, NOT WHETHER THEY DO IT. DOES THAT SEEM
25 ACCEPTABLE TO PEOPLE?

1 DR. ROWLEY: WELL, AND THE QUESTION IS
2 REALLY, AS YOU STATED IT, IT WAS WOMEN WHO ARE EGG
3 DONORS WHO BELONG TO MINORITIES. AND I THINK THAT THE
4 BROADER ISSUE IS IS THERE A DIFFERENCE IN RESPONSE IN
5 WOMEN OF DIFFERENT ETHNIC GROUPS OR SOCIOECONOMIC
6 BACKGROUNDS ACROSS THE BOARD, NOT JUST EGG DONORS, BUT
7 A BROADER ISSUE? AND THEN NOT TO SAY THAT ONE
8 SHOULDN'T GET DATA ON EGG DONORS, BUT THE ISSUE IS IF
9 THERE'S GENERAL EVIDENCE THAT ONE GROUP IS MORE
10 SENSITIVE TO WHATEVER SORT OF TREATMENT, THIS SHOULD BE
11 PUBLIC KNOWLEDGE. AND WHAT WE'VE AGREED IS THAT, AT
12 LEAST AS FAR AS WE'RE CONCERNED, AND I THINK I CAN
13 SPEAK FOR ANN AS WELL, AS FAR AS AN EDUCATED PUBLIC IS
14 CONCERNED, THERE ISN'T INFORMATION ON DIFFERENT
15 SUSCEPTIBILITY OR DIFFERENT RESPONSE OF WOMEN OF
16 DIFFERENT ETHNIC OR SOCIAL GROUPS TO THE TREATMENT.
17 AND THIS IS WHAT WE WANT CIRM TO GET INFORMATION OF.

18 CHAIRMAN LO: GREAT.

19 DR. KIESSLING: YOU CAN SAY THAT FOR ME.

20 DR. LOMAX: THIS WAS A COMMENT I WAS GOING TO
21 PUT IN MY PRESENTATION, BUT I THINK THE TIMING IS
22 PERHAPS MORE APPROPRIATE HERE. ONE ITEM IN YOUR FOLDER
23 IS A LETTER WE RECEIVED FROM THE PRO-CHOICE ALLIANCE
24 FOR RESPONSIBLE RESEARCH, AND THAT ALSO TOUCHES ON SOME
25 OF THE DATA COLLECTION ISSUES THAT THIS LETTER

1 ENCOURAGES YOU TO ADDRESS. ONE POINT I'D LIKE YOU ALL
2 TO BE AWARE OF IS A LOT OF THE LANGUAGE IN THIS LETTER
3 ECHOES LANGUAGE THAT'S ALREADY IN AN EXISTING STATE LAW
4 THAT COVERS NON-CIRM-FUNDED RESEARCH.

5 SO I CHECKED IN WITH THE STATE HEALTH
6 DEPARTMENT, THE MATERNAL CHILD HEALTH BRANCH, WHICH IS
7 IN CHARGE OF IMPLEMENTING THESE REGULATIONS, AND THEY
8 ARE CURRENTLY IN A PROCESS OF VETTING SORT OF DATA
9 COLLECTION FORMS AND EVALUATING SORT OF HOW TO MOVE
10 FORWARD WITH IMPLEMENTATION. SO THE POINT I MAKE AT
11 THIS POINT IN TIME IS THAT I THINK IT'S USEFUL TO SORT
12 OF SEE WHAT THEY COME UP WITH IN TERMS OF A DATA
13 COLLECTION MECHANISM LARGELY BECAUSE, AS YOU WILL HEAR
14 IN THE PRESENTATION THAT I'LL GIVE IN A FEW MOMENTS,
15 THAT ONE OF THE MAJOR MESSAGES THAT CAME OUT MY
16 INTERACTION WITH INSTITUTIONS IS THE SORT OF HAVING
17 DUELING -- DIFFERENT STATE STANDARDS FOR THE SAME WORK
18 IS VERY BURDENSOME AND VERY PROBLEMATIC. SO TO THE
19 EXTENT THAT WE HAVE CONSISTENCY IN TERMS OF ANY KIND OF
20 REPORTING REQUIREMENT, THAT SORT OF THING IS VIEWED AS
21 VERY HELPFUL FROM AN IMPLEMENTATION STANDPOINT. I'D
22 JUST LIKE TO ADD THAT AT THIS TIME AND ACKNOWLEDGE THIS
23 OTHER EFFORT THAT IS OCCURRING IN CALIFORNIA.

24 CHAIRMAN LO: GREAT. AND ACTUALLY, GEOFF, IF
25 THIS IS A GOOD TIME TO TRANSITION OVER TO STAFF REPORTS

1 AND UPDATES. SCOTT, DO YOU WANT TO GO FIRST ON THE
2 GRANTS ADMINISTRATION UPDATE?

3 MR. TOCHER: GREAT. I'LL JUST BE VERY BRIEF
4 SO WE CAN GET ON TO THE OTHER MATTERS. THIS PERHAPS
5 SHOULD HAVE OCCURRED PRIOR TO OUR LAST DISCUSSION, AND
6 I WOULD HAVE INTERRUPTED A LITTLE BIT LESS. THIS WAS
7 JUST A SLIDE TO SHOW YOU HOW THE GRANTS PROCESS KIND OF
8 TAKES PLACE FROM START TO FINISH AT LEAST IN TERMS OF
9 THE DECISION-MAKING PROCESS TO FUND A GRANT.

10 INITIALLY, AS YOU CAN SEE, THE GRANTS ARE
11 RECEIVED, AND THEN THEY ARE SUBJECT TO THE SCIENTIFIC
12 GRANT REVIEW. THIS IS OBVIOUSLY FOR SCIENCE RESEARCH
13 GRANTS AS OPPOSED TO FACILITIES GRANTS. AFTER THE
14 SCIENTIFIC REVIEW, GRANTS ARE GROUPED INTO THE THREE
15 TIERS THAT I MENTIONED EARLIER, AND THOSE
16 RECOMMENDATIONS ARE THEN FORWARDED ON TO THE ICOC.
17 ONCE THE ICOC REVIEWS ALL OF THE GRANTS AND MAKES ITS
18 DETERMINATIONS AS TO WHICH GRANTS IT'S GOING TO FUND,
19 THAT KICKS OFF AN ADMINISTRATIVE REVIEW.

20 AND THIS ADMINISTRATIVE REVIEW LOOKS AT ALL
21 ASPECTS OF THE GRANT, NOT ONLY THE SUBSTANCE OF THE
22 GRANT, BUT ALSO THE GRANTEE STATUS TO MAKE SURE THAT
23 THEY QUALIFY AS A NON-PROFIT INSTITUTION, IF THAT IS A
24 REQUIREMENT, TO MAKE SURE THAT THE PI IS QUALIFIED,
25 THAT THE PARAMETERS OF THE SPECIFIC RFA ARE ADHERED TO,

1 BUT ALSO THIS ALLOWS, AS WAS DISCUSSED EARLIER, FOR A
2 JUST-IN-TIME CERTIFICATION PROCESS WHEREBY THE GRANTEE
3 VERIFIES ANY APPLICABLE IACUC REVIEW FOR THE APPROVAL
4 OF THE PROJECT'S PROPOSED USE INVOLVING INVERTEBRATE
5 ANIMALS. THIS IS WHERE THE GRANTEE CERTIFIES SCRO
6 COMMITTEE REVIEW AND APPROVAL OF THE PROJECT'S PROPOSED
7 USE OF THE COVERED STEM CELL LINES, WHICH IS REFERRED
8 TO IN THE MEDICAL AND ETHICAL STANDARDS REGULATIONS,
9 AND CERTIFIES ANY APPLICABLE IRB REVIEW AND APPROVAL OF
10 PROPOSED USE OF HUMAN SUBJECTS.

11 WHEN THOSE ASSURANCES ARE OBTAINED AND THOSE
12 CERTIFICATIONS ARE OBTAINED, THEN THE NOTICE OF GRANT
13 AWARD IS SENT OUT TO THE GRANTEE. AND ONCE THE GRANTEE
14 SIGNS OFF ON THAT AND RETURNS IT TO CIRM, CIRM THEN
15 NOTIFIES THE STATE CONTROLLER'S OFFICE WHO ACTUALLY
16 CUTS THE CHECKS FOR THE GRANT.

17 THE GRANTS ADMINISTRATION POLICY FOR THE
18 NONPROFIT GRANTEES HAS BEEN ALREADY APPROVED BY THE
19 OFFICE OF ADMINISTRATIVE LAW, AND THAT POLICY IS IN
20 EFFECT, AND IT'S WHAT WE'RE WORKING OFF OF FOR THE SEED
21 AND COMPREHENSIVE GRANTS. SO THOSE GRANTS RIGHT NOW
22 ARE GOING THROUGH THIS INTERIM ADMINISTRATIVE REVIEW
23 RIGHT NOW. NO GRANTS HAVE BEEN FUNDED BY CIRM YET.

24 THE FOR-PROFIT GRANTS ADMINISTRATION POLICY
25 IS STILL IN DEVELOPMENT AT THE STAFF LEVEL. AND I

1 BELIEVE WE ANTICIPATE A FIRST DRAFT PERHAPS IN JUNE,
2 BUT I WOULD HAVE TO CONFIRM THAT WITH ARLENE CHIU.
3 JUNE OR AUGUST WE'LL HAVE A DRAFT READY FOR ICOC
4 APPROVAL THAT WE CAN USE IN UPCOMING FOR-PROFIT GRANTS.

5 AND IN THE LONG TERM, WE WILL MOVE ALL OF
6 THIS INTO AN ELECTRONIC FORMAT THAT WILL MAKE IT EASIER
7 FOR GRANTS ADMINISTRATION AND MONITORING AND AUDITING.
8 THE CERTIFICATIONS AND REVIEWS THAT THE GRANTEE WILL
9 MAKE IS SOMETHING THAT IS SUBJECT TO AUDIT BY CIRM
10 STAFF AT ANY POINT DURING THE GRANT. SO IF AT SOME
11 POINT, IN ADDITION TO THE ASSURANCES, THIS COMMITTEE
12 WANTED TO EXAMINE, SAY, THE SPECIFIC PROPOSALS AND
13 DISCUSSIONS AND CERTIFICATION OF APPROVAL BY AN IRB OR
14 SCRO, THAT WOULD BE DOCUMENTATION THAT THE GRANTEE
15 WOULD BE OBLIGED TO PROVIDE ON DEMAND.

16 DR. PETERS: DO YOU ANTICIPATE JUST DOING
17 SPOT AUDITS FROM TIME TO TIME?

18 MR. TOCHER: I THINK THAT THAT'S THE APPROACH
19 THAT WE'RE LOOKING AT RIGHT NOW. THERE JUST ISN'T THE
20 INFRASTRUCTURE AT THE MOMENT TO DO A FULL-BLOWN AUDIT
21 OF EACH AND EVERY GRANT AT EVERY SORT OF ANNUAL
22 RENEWAL. SO I THINK THE NOTION IS, UNLESS IT'S A
23 UNIQUE GRANT OR RFA THAT'S BEEN FUNDED WHERE WE HAVE
24 JUST A SMALL NUMBER, SAY, A FACILITIES GRANT OR
25 SOMETHING LIKE THAT, IT WOULD PROBABLY BE SOMETHING

1 WHERE WE WOULD DO A RANDOM SELECTION ON AN ANNUAL BASIS
2 THAT WOULD BE AN INTENSIVE FINANCIAL AND PROGRAMMATIC
3 AUDIT.

4 DR. OLDEN: DO YOU RECEIVE GRANTS AT ANY
5 POINT, OR ARE THERE DESIGNATED SUBMISSION DEADLINES AND
6 SO FORTH?

7 MR. TOCHER: YES, THERE ARE. THERE IS THE
8 CERTIFICATIONS, OF COURSE, WHICH ARE JUST IN TIME WHICH
9 MUST BE DONE PRIOR TO FUNDING. BUT THEN THERE ARE ALSO
10 ANNUAL PROGRAMMATIC REPORTS AND FINANCIAL REPORTS, AND
11 THOSE MUST BE SUBMITTED VARIOUSLY BETWEEN 60 AND 30
12 DAYS PRIOR TO THE ANNUAL RENEWAL OF THE GRANT, AND THAT
13 MUST BE IN PLACE BEFORE THE --

14 DR. OLDEN: I'M ASKING A DIFFERENT QUESTION.
15 CAN AN INVESTIGATOR SUBMIT A GRANT APPLICATION AT ANY
16 POINT THROUGHOUT THE YEAR, OR ARE THERE DESIGNATED
17 RECEIPT DEADLINES?

18 MR. TOCHER: THEY'RE KEYED OFF OF SPECIFIC
19 RFA'S WHICH HAVE GIVEN TIMELINES FOR RECEIPT.

20 DR. OLDEN: ALL RIGHT. SO THEY'RE ALL IN
21 RESPONSE TO RFA'S?

22 MR. TOCHER: THAT'S CORRECT.

23 CHAIRMAN LO: THANKS, SCOTT. GEOFF, YOU WANT
24 TO GIVE US AN UPDATE ON THE REPORT ON THE CIRM
25 EVALUATION INITIATIVE?

1 DR. LOMAX: YES. FRANCISCO, I BELIEVE YOU
2 HAVE THESE MATERIALS, BUT I AM JUST GOING TO RESEND
3 THEM RIGHT NOW FOR YOUR BENEFIT.

4 DR. PRIETO: OKAY.

5 DR. LOMAX: OKAY. BEFORE I BEGIN AGAIN TO
6 DRAW ATTENTION TO THE MATERIALS IN YOUR PACKET, I'M NOW
7 GOING TO DESCRIBE OUR EVALUATION INITIATIVE, WHICH I
8 TOUCHED ON BRIEFLY YESTERDAY. AND A REMINDER, THERE'S
9 TWO SETS OF MATERIALS IN YOUR PACKET. ONE IS THE
10 FOUR-FOLD DOCUMENT THAT KIND OF CONCEPTUALLY DESCRIBES
11 THE INITIATIVE AND DOCUMENTS SOME OF THE SPECIFIC
12 ACTIVITIES WE ENGAGED IN. AND THEN INSERTED WITHIN
13 THAT DOCUMENT IS A SUMMARY REPORT. I BELIEVE IT'S SIX
14 PAGES LONG. MOST OF THE POINTS I'M GOING TO MAKE IN
15 THIS PRESENTATION HOPEFULLY ARE AMPLIFIED AS WELL IN
16 THE SUMMARY REPORT, BUT I'D LIKE TO TOUCH ON SOME OF
17 THE HIGHLIGHTS.

18 DR. PRIETO: GEOFF, JUST TO MAKE SURE, YOU'RE
19 TALKING ABOUT THE EVALUATION INITIATIVE SUMMARY REPORT?

20 DR. LOMAX: THE SLIDES I'M WORKING OFF OF NOW
21 SHOULD HAVE JUST COME OVER TO YOU AS WELL. I THINK YOU
22 GOT THEM EARLIER, BUT WE SENT ANOTHER SET JUST TO BE
23 SURE.

24 DR. PRIETO: NO, I'M NOT SURE IF I GOT THOSE
25 EARLIER, BUT I'LL LOOK FOR THEM NOW.

1 DR. LOMAX: SHOULD BE RIGHT UP FRONT.
2 SO THE MAJOR OBJECTIVE IS TO UNDERSTAND HOW
3 THE REGULATIONS ARE WORKING AND REALLY TO THE EXTENT
4 THEY'RE ACHIEVING THEIR INTENDED PURPOSE. THE PROCESS
5 WAS DESIGNED TO IMPROVE REGULATORY PRACTICE. AND WE
6 USE A NUMBER OF MECHANISMS. JUST TO SORT OF
7 CHARACTERIZE THOSE MECHANISMS, WE HAD SOME VERY
8 ACTIVE-TYPE MECHANISMS WHICH WERE GOING OUT AND HOLDING
9 WORKSHOPS AND TALKING TO PEOPLE, AND THERE WAS A SET OF
10 PASSIVE MECHANISMS, WHICH A LOT OF INFORMATION COMES
11 BACK TO ME THROUGH PHONE CALLS FROM SCRO CHAIRMEN
12 TRYING TO SORT OF SORT OUT WHAT TO DO OR DIFFERENT
13 MEMBERS OF THE COMMUNITY. SO WHAT I'M GOING TO TRY TO
14 DO THROUGH THIS REPORT IS FOCUS MAINLY ON OUR ACTIVE
15 PROGRESS, AND THAT'S WHAT THE REPORT SUMMARIZES, BUT
16 I'LL TOUCH ON A FEW OF THE INFORMATION WE PICKED UP
17 THROUGH SOME OF THESE MORE PASSIVE MECHANISMS.

18 AGAIN, THE GOAL IS WE WOULD LIKE TO BE ABLE
19 TO HAVE AN EVIDENCE BASE TO REFINE REGULATORY PRACTICE,
20 PROMOTE CONSISTENCY IN COLLABORATION, AND REALLY BUILD
21 A SET OF SUSTAINABLE FEEDBACK MECHANISMS WITH
22 INSTITUTIONS TO, AGAIN, IMPROVE THE OVERALL RESEARCH
23 AND RESEARCH OVERSIGHT.

24 AGAIN, THE MAJOR FOCUS OF THIS PRESENTATION
25 WILL BE OUR REGIONAL WORKSHOPS, BUT TO KEEP IN MIND WE

1 HAVE BEEN PARTICIPATING IN CONFERENCES AND OTHER
2 EVENTS. FOR EXAMPLE, MARY TALKED ABOUT THE STATE
3 ALLIANCE, WHICH WE THINK WILL BE VERY PRODUCTIVE BOTH
4 ON THE IP SIDE AND WITH STANDARDS. STANDARDS HAVE BEEN
5 A MAJOR PART OF THOSE DISCUSSIONS. AND, AGAIN, WE WANT
6 TO CONTINUE TO RECEIVE PUBLIC INPUT TO INFORM THIS
7 PROCESS.

8 A BIT OF A CONCEPTUAL DIAGRAM. WE SHARED
9 THIS WITH THE GRANTEES. JUST TO SORT OF SHARE WITH YOU
10 WE SORT OF ENVISION SORT OF A PROCESS THAT STARTS WITH
11 WE'RE GOING OUT AND SEEKING INFORMATION. WE'VE DONE
12 THAT. WE'VE COLLECTED IT AND TRIED TO SYNTHESIZE IT,
13 AND THAT'S WHAT I'M HOPING TO ACCOMPLISH TODAY. AND
14 THEN WE CAN SORT OF APPRAISE AND INTERPRET THE
15 EVIDENCE. PART OF THAT IS YOUR JOB, AND HOPING TO WORK
16 WITH YOU ON THAT. AND, AGAIN, TO CONTINUE TO DEVELOP
17 PUBLIC FORUMS TO CONSIDER ANY POLICY RECOMMENDATIONS.
18 AND, AGAIN, THAT WOULD BE ANY FUTURE RECOMMENDATIONS
19 COMING OUT OF THIS GROUP. THAT WOULD BE A PUBLIC
20 PROCESS.

21 AND ONE OF THE THINGS I TRIED TO EMPHASIZE
22 WITH THE INSTITUTIONS IN THE FIELD WAS REALLY THAT WE
23 DON'T WANT PEOPLE TO TAKE AWAY THE SENSE THAT THIS IS A
24 ROAD MAP TO JUST INCREASING REGULATION BECAUSE I DON'T
25 THINK THAT'S THE GOAL. THE IDEA IS THAT WE HAVE A

1 VARIETY OF MECHANISMS. WE'VE TALKED ABOUT BRINGING IN
2 CONSULTANTS, WHATEVER THE MECHANISMS MAY BE OF THE
3 RESEARCH PROGRAM, THAT WE WANT TO USE THE BEST -- BRING
4 ALL THE RESOURCES TO BEAR TO BRING ABOUT THE BEST
5 OUTCOME, BUT CERTAINLY MORE REGULATION IS NOT IN EVERY
6 CASE THE BEST OUTCOME.

7 SO I'M GOING TO FOCUS NOW ON OUR REGIONAL
8 WORKSHOPS FOR A FEW MINUTES. WE HELD TWO OF THEM, ONE
9 AT STANFORD UNIVERSITY IN FEBRUARY AND THE BURNHAM
10 INSTITUTE IN APRIL. I THINK THE PICTURES ARE ALWAYS
11 HELPFUL. YOU SEE ZACH HALL IN THE LOWER LEFT-HAND
12 CORNER THERE, I THINK, TALKING TO SOME OF THE
13 INSTITUTIONAL REPRESENTATIVES ABOUT AT THAT POINT IN
14 THE CONVERSATION SOME IDEAS ABOUT STEM CELL BANKING.
15 BUT JUST TO GIVE YOU A FLAVOR FOR WHAT THE SETUP IS, IT
16 WAS DESIGNED TO BE VERY SORT OF CONVERSATIONAL, TRIED
17 TO MAKE IT IN THE ROUND. WE WERE TRYING TO GET AS MUCH
18 INTERACTION AS POSSIBLE.

19 I'D LIKE TO ACKNOWLEDGE SHAKTI NARAYAN IN
20 THAT MIDDLE SLIDE ON THE LEFT THERE TALKING TO DAVID
21 MAGNUS. SHAKTI WAS FROM BOLT HALL AND HE WAS A REAL
22 HEAVY LIFTER. HE WAS BASICALLY AN INTERN WHO WORKED
23 WITH ME FOR ABOUT FOUR MONTHS AND MADE A HUGE
24 CONTRIBUTION TO THIS EFFORT BOTH IN TERMS OF HELPING
25 ORGANIZE THE EVENTS AND SUMMARIZE AS WELL. AND PAT WAS

1 ALSO A HUGE HELP. SO THANK YOU, PAT, AS ALWAYS MAKING
2 LOGISTICAL THINGS HAPPEN.

3 IN THE LOWER RIGHT CORNER, PART OF THE
4 WORKSHOP, AT THE END OF THE DAY, WE HAD LUNCH FOR
5 PARTICIPANTS. AND PART OF WHAT WE WANTED TO ACCOMPLISH
6 IS WE'D HAVE A BACK AND FORTH WHERE CIRM IS PRESENT,
7 BUT WE ALSO WANTED TO GIVE THEM AN OPPORTUNITY TO
8 REALLY TALK AMONGST THEMSELVES AND SHARE IDEAS. AS
9 WE'LL LEARN LATER, I THINK THAT REALLY PAID OFF, SORT
10 OF BUILDING A SORT OF ENVIRONMENT WHERE FOLKS COULD
11 TALK AMONGST THEMSELVES AND SHARE IDEAS AND ULTIMATELY
12 BUILD COLLABORATIONS.

13 SO I'VE SORT OF TOUCHED ON THIS. THE GOALS,
14 AGAIN, TO MEET US AND LEARN WHO WE ARE, TO NETWORK WITH
15 PEERS, AND THEN CONTRIBUTE TO THE SORT OF BROADER
16 INITIATIVE, WHICH I'VE DESCRIBED TO YOU AND IS
17 DESCRIBED FURTHER IN THE PACKET. AND SPECIFICALLY THE
18 GOAL WAS TO IDENTIFY ANY POLICY ISSUES FOR FUTURE
19 CONSIDERATION.

20 SO THE WORKSHOP STRUCTURE IS THAT WE KIND OF
21 BROKE THE CONVERSATION INTO A SERIES OF VIGNETTES, IF
22 YOU WILL. THERE WERE FIVE OF THEM. THE TOPICS COVERED
23 IN EACH VIGNETTE, WE THINK, KIND OF CUT UP THE
24 REGULATIONS IN A SORT OF LOGICAL WAY. WE FIRST TALKED
25 ABOUT THE SCRO COMMITTEE REQUIREMENT AND HOW THAT'S

1 GOING IN TERMS OF PEOPLE ACTUALLY IMPLEMENTING THAT
2 REQUIREMENT. ISSUES THAT HAVE COME UP DURING THE
3 SCIENTIFIC AND ETHICAL REVIEW OF PROPOSALS. THE ISSUE
4 OF VERIFICATION OF ACCEPTABLE RESEARCH MATERIALS WAS
5 IDENTIFIED ACTUALLY IN ADVANCE OF THE WORKSHOP THROUGH
6 SOME KEY INFORMANT INTERVIEWS AS A PARTICULAR TOPIC
7 THAT PEOPLE FELT AT THIS TIME WAS WORTH HAVING A
8 CONVERSATION ABOUT. SOME ISSUES ABOUT INFORMED CONSENT
9 AND PROTECTION OF RESEARCH DONORS, AND SPECIFICALLY THE
10 OOCYTE DONORS WAS THE FINAL TOPIC.

11 WITH REGARD TO THE COMMITTEE REQUIREMENT,
12 AGAIN, MOST PARTICIPATING INSTITUTIONS HAD ALREADY
13 ESTABLISHED A COMMITTEE. AND A LOT OF THE WORK,
14 PARTICULARLY KEEP IN MIND WE HAD A FEBRUARY WORKSHOP,
15 WHICH WAS JUST IN ADVANCE OF GRANTS BEING RELEASED, AND
16 THEN AN APRIL WORKSHOP WHERE WE ALREADY HAD PUT OUT
17 NOTICE THAT PEOPLE WERE ELIGIBLE FOR FUNDING. SO IN
18 FEBRUARY PEOPLE WERE VERY MUCH DESCRIBED. WE'VE PRETTY
19 MUCH GOT IT NAILED DOWN, AND WE'RE JUST KIND OF
20 TINKERING AROUND THE EDGES. ACTUALLY IN APRIL EVERYONE
21 THERE WAS REALLY DESCRIBING THE FACT THAT THEY'VE GOT
22 THEIR SCRO'S TOGETHER, AND THEN TALKING A LITTLE BIT
23 MORE ABOUT VERY SPECIFIC ISSUES. SO YOU CAN JUST SEE
24 THE DIFFERENCE BETWEEN FEBRUARY AND APRIL WAS SORT OF
25 CONSIDERABLE IN THE NATURE OF THE CONVERSATION.

1 ONE OF THE INTERESTING SORT OF PIECES OF HOW
2 THIS ENTERPRISE HAS EVOLVED WAS, IF YOU REMEMBER, WE
3 HELD A WORKSHOP IN DECEMBER OF 2005. AND THIS WAS VERY
4 EARLY ON TO INFORM OUR REGULATIONS. AT THAT TIME THE
5 INSTITUTIONS, THE SCRO COMMITTEES IN PARTICULAR, WERE
6 IN SOME CASES SOMEWHAT INFORMAL ENTITIES WITHIN THE
7 INSTITUTIONS THAT COULD BE -- SORT OF EXPERTISE THAT
8 COULD BE ON CALL AND SORT OF WORK WITH THE IRB'S, BUT
9 IN A SOMEWHAT DECENTRALIZED, AND I DON'T WANT TO SAY
10 INFORMAL, BUT THE PRIMARY POINT IS IT WAS A
11 DECENTRALIZED BODY THAT WAS AVAILABLE TO SORT OF COME
12 IN WHEN STEM CELL PROPOSALS, WHEN THE IRB COULD REALLY
13 BENEFIT FROM EXPERTISE IN STEM CELL RESEARCH.

14 THAT MODEL, I THINK, WITH THE ADVENT OF OUR
15 REGULATIONS, HAS GONE SOMEWHAT OUT THE WINDOW. I THINK
16 FOR THE MOST PART THE INSTITUTIONS HAVE REALLY MOVED
17 TOWARDS FORMALIZED SCRO COMMITTEES, AND THEN VERY MORE
18 FORMALIZED SORT OF COORDINATION WITH THE IRB. AND I
19 THINK, AGAIN, THAT'S THE RESULT OF THE FACT ONCE YOU
20 PUT FORMAL REGULATIONS IN PLACE, IT JUST INITIATES THE
21 LAWYERS GET INVOLVED AND PEOPLE LOOK FOR MUCH MORE
22 EXACT KIND OF PROCEDURES AND POLICIES IN THE
23 INSTITUTIONS. AND I THINK OVERALL THAT'S PROBABLY A
24 GOOD THING, BUT IT CERTAINLY WAS EVIDENT FROM OUR
25 EARLIER DISCUSSIONS TO OUR LATER DISCUSSIONS WHERE

1 INSTITUTIONS HAVE TAKEN OUR REGULATIONS AND
2 INSTITUTIONALIZED THEM MORE FORMALLY, IF YOU WILL.

3 THERE WERE A NUMBER OF QUESTIONS ABOUT SOME
4 OF THE MEMBERSHIP AND VOTING REQUIREMENTS. AND I THINK
5 WE WERE ABLE TO CLARIFY THOSE. THEY WERE RELATIVELY
6 STRAIGHTFORWARD; BUT, FOR EXAMPLE, SOME PEOPLE HAD SOME
7 QUESTIONS LIKE ARE THE OUTSIDE MEMBERS, DO THEY HAVE
8 FORMAL VOTING AUTHORITY? WE SAID ABSOLUTELY. WE
9 RELATED SOME OF THE CONVERSATIONS. THIS IS A
10 CONVERSATION I REMEMBER QUITE CLEARLY IN LOS ANGELES
11 ABOUT THE ROLE OF THE OUTSIDE MEMBERS. AND I WAS ABLE
12 TO ASSURE THEM THAT BOTH THE PATIENT ADVOCATES AND THE
13 OUTSIDE MEMBER SHOULD HAVE FULL POWER AND AUTHORITY,
14 VOTING POWER AND AUTHORITY, IN THE COMMITTEE.

15 IN ADDITION, I THINK THIS WAS ONE OF THE MOST
16 SORT OF EXCITING THINGS WE LEARNED. IN THE REGULATIONS
17 ONE OF THE THINGS WE EXPLICITLY SORT OF CALL OUT IS
18 THAT THERE MAY BE SHARED OR JOINT COMMITTEES,
19 PARTNERSHIPS AMONG INSTITUTIONS. THERE ARE SOME
20 INSTITUTIONS THAT HAVE RECEIVED ONE GRANT, FOR EXAMPLE.
21 SO WE NOW KNOW OF A PARTNERSHIP BETWEEN THE UNIVERSITY
22 OF CALIFORNIA AT DAVIS, WHICH IS A LARGER INSTITUTION,
23 WORKING WITH THE BUCK INSTITUTE, WHICH IS A SMALL
24 INSTITUTION, AND UC MERCED. AND WE WERE ABLE TO FOLLOW
25 UP. THE SMALLER INSTITUTIONS, THEY'VE GOT A JOINT

1 AGREEMENT NOW. THE SMALLER INSTITUTIONS APPRECIATE
2 SORT OF THE OVERHEAD THAT UC DAVIS BRINGS, AND UC DAVIS
3 VERY MUCH APPRECIATES THE EXPERTISE THAT THE SMALLER
4 INSTITUTIONS BRING. SO NOT ONLY DOES IT CREATE SORT OF
5 AN ECONOMY OF SCALE, BUT ALSO IT RESULTS IN A LOT OF
6 SHARED EXPERTISE. AGAIN, IF YOU GO BACK TO THE RECORD,
7 I THINK SOME OF THIS WAS SORT OF ENVISIONED, AND I'M
8 PLEASED TO REPORT THAT I THINK IT'S WORKING OUT AND
9 IT'S REALLY SERVING TO PROMOTE EFFICIENCY IN THE REVIEW
10 AND RESULT, I THINK, IN BETTER REVIEWS BECAUSE YOU'VE
11 GOT THIS SHARED EXPERTISE.

12 DR. ROWLEY: I NOTICED IN YOUR SUMMARY THAT
13 ONE OF THE CONCERNS WAS PAYMENT FOR OUTSIDE MEMBERS.
14 AND APPARENTLY THAT'S PROHIBITED BY STATE LAW. HOW WAS
15 THAT RESOLVED?

16 DR. LOMAX: WELL, AT THE MOMENT WE HAVE WHAT
17 WE HAVE. IT'S CERTAINLY SOMETHING IF AT SOME POINT IN
18 TIME WE WANTED TO DISCUSS, WE COULD DISCUSS. I DON'T
19 KNOW IF YOU'RE INVOLVED, BUT I'LL REFRESH THE
20 CONVERSATION. AT ONE POINT IN TIME, THERE WAS CONCERNS
21 THAT IF THE INSTITUTION MADE PAYMENT TO THE OUTSIDE
22 MEMBER, THAT THAT MIGHT SOMEHOW BE COERCIVE OR COLOR
23 THEIR JUDGMENT IN TERMS OF THEIR REVIEW. SO OUR
24 POLICIES STATE THAT THEY CANNOT RECEIVE MONEY FOR PART
25 OF THEIR PARTICIPATION ON THE SCRO COMMITTEE.

1 WHAT CAME UP SUBSEQUENTLY WAS THAT ONE
2 INSTITUTION THAT WAS PARTICULARLY VOCAL ON THIS POINT
3 SAID, AS AN INSTITUTIONAL POLICY, THEY WANT TO TREAT
4 ALL COMMITTEE MEMBERS FAIRLY WITH AN IDENTICAL POLICY,
5 AND THAT THEY DIDN'T FEEL THAT THE PRESENCE OR ABSENCE
6 OF A MODEST REMUNERATION, BASICALLY A DAILY STIPEND,
7 WAS COLORING THE JUDGMENT, AND THAT IT ACTUALLY CREATED
8 SOMETHING THAT MADE THE INSTITUTION UNCOMFORTABLE WHERE
9 THEY HAD TO HAVE DIFFERENTIAL POLICIES AND ESSENTIALLY
10 DISCRIMINATE AGAINST DIFFERENT MEMBERS. THAT WAS THE
11 NATURE OF THE COMMENT. THAT COMMENT OBVIOUSLY NEEDS TO
12 BE BALANCED AGAINST THE SORT OF POLICY GOALS OF THE
13 REGULATION, BUT IT WAS CALLED OUT AS SOMETHING THAT
14 THIS PARTICULAR INSTITUTION FELT WAS UNUSUAL. AND I
15 THINK THAT COMMENT CAME TO ME.

16 I HAD AN OPPORTUNITY TO KIND OF ASK AROUND A
17 BIT, AND PEOPLE SAY, "YOU KNOW, WE'RE LIVING WITH IT,
18 BUT IN GENERAL WE'D LIKE TO HAVE LEVEL POLICIES FOR ALL
19 OUR MEMBERS." SO IT'S CREATED THIS.

20 DR. ROWLEY: IT SOUNDS AS THOUGH YOU HAVEN'T
21 RESOLVED.

22 DR. LOMAX: THERE'S NOTHING TO RESOLVE. IN A
23 SENSE OUR REGULATIONS SAY THEY CAN'T PAY THEM. AND SO
24 IN A SENSE THEY FEEL SORT OF STUCK WITH A REGULATION
25 THAT THEY WISH WAS WRITTEN DIFFERENTLY, BUT THAT'S THE

1 REGULATION.

2 DR. PRIETO: GEOFF, IS THAT SOMETHING THAT
3 COMES OUT OF THE TERMS OF THE INITIATIVE, OR IS THAT
4 SOMETHING THAT WE CAME UP WITH AS A POLICY AND COULD
5 MODIFY?

6 DR. LOMAX: THAT IS A DISCRETIONARY POLICY
7 THAT COULD BE MODIFIED IF THE WORKING GROUP CHOSE TO
8 MODIFY IT. IF THE ICOC CHOSE TO MODIFY IT, YOU COULD
9 RECOMMEND MODIFICATION ON THAT.

10 DR. PRIETO: JUST AS A PATIENT ADVOCATE WHO'S
11 GIVEN UP A LOT OF DAYS OF WORK FOR THIS ENDEAVOR, I
12 THINK THAT I WOULD BE IN FAVOR OF ALLOWING SOME SORT OF
13 A PER DIEM. I THINK THAT FOR A LOT OF PATIENT
14 ADVOCATES, AND I THINK VIRTUALLY ALL OF US HAVE DAY
15 JOBS, YOU KNOW, THE TIME LOST TO PROVIDE A SERVICE LIKE
16 THIS CAN BECOME A SIGNIFICANT ISSUE, AND IT BECOMES A
17 BARRIER TO PARTICIPATION. IT LIMITS WHO WOULD BE
18 AVAILABLE AND WHO COULD SERVE, AND THERE ARE PEOPLE
19 WHOSE INPUT I THINK WE'D WANT WHO REALLY CAN'T DO IT IF
20 IT MEANS GIVING UP A DAY OF WORK OR GIVING MANY DAYS OF
21 WORK REALLY. SO I'D BE IN FAVOR OF MODIFYING THAT TO
22 ALLOW SOME PER DIEM.

23 DR. LOMAX: I THINK WHAT I SUGGEST IS OUT OF
24 ALL THIS, THE IDEA WOULD BE THAT YOU ALL CONSIDER SOME
25 SORT OF SHORT LIST OR LONG LIST OF ISSUES THAT YOU MAY

1 CHOOSE TO ADDRESS AT FUTURE MEETINGS. AND CERTAINLY AS
2 THE STAFF, I WOULD BE PREPARED TO DO SORT OF BACKGROUND
3 WORK IN THESE AREAS TO PREPARE FOR THOSE DELIBERATIONS.
4 AGAIN, IT WOULD BE SORT OF TYPICAL OF ANY POLICY
5 DELIBERATION PERFORMED BY THIS WORKING GROUP. WE WOULD
6 COME UP WITH A SET OF OPTIONS. IT COULD BE SUBJECT TO
7 PUBLIC COMMENT, AND WE WOULD GO FROM THERE.

8 SO I'M OFFERING THIS INFORMATION FOR YOUR
9 BENEFIT AT THIS TIME. I SUGGEST PERHAPS YOU MAY
10 CONSIDER SOME TRIAGE AS WE GO THROUGH THE LIST OF ITEMS
11 AND ALSO BASED ON YOUR REVIEW OF THE WRITTEN REPORT
12 BECAUSE THIS IS NOT A COMPREHENSIVE REVIEW IN THIS
13 PRESENTATION, BUT I LEAVE TO THE DISCRETION OF THE
14 CO-CHAIRS.

15 I'M MOVING TO THE NEXT SLIDE. IT'S TITLED
16 "SCIENTIFIC AND ETHICAL REVIEW." I THINK ONE AREA
17 WHERE THE INSTITUTIONS, I THINK, WERE VERY APPRECIATIVE
18 OF YOUR WORK WAS THE DEFINITION OF COVERED STEM CELL
19 LINES. WE SPENT QUITE A BIT OF TIME ON THAT
20 DEFINITION. I ACTUALLY ALSO, SORT OF IN RESPONSE TO
21 THE INSTITUTIONS, ACKNOWLEDGED THAT THEY CONTRIBUTED
22 THROUGH THE PUBLIC COMMENT PROCESS TO HELP US IMPROVE
23 THAT DEFINITION. BUT THE SENSE IS THAT BY NARROWING
24 THE DEFINITION IN A VERY PRECISE WAY TO EXACTLY THIS
25 SET OF MATERIALS THAT WE'RE CONCERNED WITH FOR REVIEW,

1 THAT IT'S MADE FOR A VERY CLEAR REGULATION.

2 AND I THINK IN CONTRAST, AND IN ALL FAIRNESS,
3 IN CONTRAST, THEY RAISED SOME ISSUES ABOUT EXISTING
4 CALIFORNIA REGULATIONS. AND IN ALL FAIRNESS, THOSE
5 REGULATIONS WERE WRITTEN MUCH EARLIER. SO YOU PERHAPS
6 DIDN'T HAVE THE BENEFIT OF THE DELIBERATIONS AND THE
7 KNOWLEDGE WE HAD AT THE TIME WE PUT OURS FORWARD. THEY
8 WERE GRAPPLING BECAUSE EXISTING LANGUAGE, AND I'VE GOT
9 IT HIGHLIGHTED HERE, THESE WERE SORT OF SOME OF THE
10 ISSUES THAT CAME UP.

11 SOME OF THE EARLY STATE REGULATIONS, WHICH,
12 AGAIN, THEY STILL HAVE TO IMPLEMENT IN THEIR OTHER
13 PROGRAMS, BECAUSE NOT ALL THEIR STEM CELL PROGRAMS ARE
14 FUNDED THROUGH CIRM GRANTS, IS LANGUAGE THAT SPEAKS
15 MORE BROADLY ABOUT HUMAN ADULT STEM CELLS FROM ANY
16 SOURCE. IF YOU HAVE AN OVERLY BROAD UNIVERSE OF
17 MATERIAL THAT YOU SORT OF SUBJECT TO THIS REVIEW, THE
18 REAL CONCERN WAS THAT THERE WAS A REAL POTENTIAL FOR
19 DUPLICATIVE REVIEWS. YOU START GETTING INTO ISSUES OF
20 DOES THIS INCLUDE BONE MARROW TRANSPLANT OR EVEN BLOOD
21 TRANSFUSION, FOR THAT MATTER. SO I THINK, AGAIN, THESE
22 WERE ISSUES THAT WE GRAPPLED WITH AND SPENT QUITE A BIT
23 OF TIME. TO REPORT BACK TO YOU, I THINK IT WAS TIME
24 WELL SPENT.

25 NOW, THE BENEFIT IS THAT THE MOST RECENT

1 STATE LEGISLATION HAS LANGUAGE THAT SORT OF TRIES TO
2 HARMONIZE. IT SORT OF CHARGES THE STATE WITH
3 HARMONIZING SORT OF STATE REGULATIONS WITH CIRM
4 REGULATIONS. SO I THINK FOLKS FELT, GIVEN THAT
5 LANGUAGE, THEY COULD SORT OF INDEPENDENTLY MOVE TOWARDS
6 HARMONIZATION. I ONLY CALL THIS OUT AGAIN TO SORT OF
7 EMPHASIZE SORT OF THE VALUE OF THE PRECISION OF OUR
8 REGULATORY DEFINITION. AGAIN, THAT WAS RAISED BY THE
9 INSTITUTIONAL REPRESENTATIVES.

10 I THINK, AGAIN, ONE OF THE OTHER AREAS THAT
11 INSTITUTIONS WERE -- IT'S CONTINUING TO EVOLVE, BUT
12 EVOLVING IN A POSITIVE DIRECTION, I THINK, IS
13 CONTINUING TO SORT OF COORDINATE WITH THE IRB IN TERMS
14 OF WHO'S RESPONSIBLE FOR WHAT REVIEWS OR HOW THEY'RE
15 GOING TO COORDINATE THAT. I THINK THE MESSAGE THAT
16 CAME OUT, WHICH IS, I THINK, FINE FROM TO OUR
17 PERSPECTIVE IN TERMS OF WHAT WE ENVISION IN THE
18 REGULATIONS, IS THAT INSTITUTIONS ARE DEALING WITH SOME
19 OF THESE THINGS VERY DIFFERENTLY. AND THERE'S EVEN ONE
20 INSTITUTION THAT WAS CONSIDERING HAVING THEIR SCRO
21 MEMBERS OR THEIR SCRO MEMBERS GO THROUGH THE IRB
22 TRAINING SO THEY WOULD STILL BE A SCRO, BUT THEY WOULD
23 HAVE THE TRAINING TO SORT OF LOOK AT HUMAN SUBJECTS
24 ISSUES SO THAT IN THAT PARTICULAR CASE, WHEN THE
25 PROPOSAL CAME TO THE IRB FOR REVIEW, IT WOULD HAVE THE

1 BENEFIT OF BEING PROCESSED BOTH IN TERMS OF WHAT OUR
2 REGULATIONS ENVISION FOR THE ESCRO COMMITTEE, BUT ALSO
3 THERE COULD BE SORT OF COMMENTARY ON THE HUMAN SUBJECTS
4 ISSUES. SORT OF THE PUMP WOULD BE PRIMED SO THE IRB
5 COULD THEN REVIEW IT IN A MORE EXPEDIENT MATTER.

6 SO THERE WAS A LOT OF CREATIVITY THERE AND A
7 LOT OF REFINEMENT GOING ON, AND I'M HOPING ACTUALLY TO
8 ENCOURAGE SOME OF THE INSTITUTIONS TO CONSIDER WRITING
9 SOME OF THIS UP BECAUSE I THINK IT'S REALLY OF BENEFIT
10 BOTH IN CALIFORNIA, BUT NATIONALLY IN TERMS OF OTHER
11 STATES AND OTHER INITIATIVES. SO WE'LL SEE WHAT
12 HAPPENS. THERE WAS CERTAINLY SOME INTEREST THERE.

13 AGAIN, I THINK AS THE STORIES GOT TOLD AND
14 PEOPLE -- THERE WAS A LOT OF THE GIVE-AND-TAKE AND
15 SOMETIMES BEING VERY SPECIFIC ABOUT HOW DO YOU
16 COORDINATE THIS AND THAT. PEOPLE FOUND THAT QUITE
17 USEFUL, AND SO PART OF THE TAKE-HOME MESSAGE WAS IF WE
18 CAN CONTINUE SORT OF ON A PERIODIC BASIS HAVING THESE
19 CONVERSATIONS, THEY STILL SEEM TO BE PRODUCTIVE. I
20 THINK THAT'S A REFLECTION OF THE FACT THAT IT'S AN
21 EMERGING SORT OF AREA THAT HASN'T QUITE REACHED
22 MATURITY. IN THIS SORT OF EMERGENT PHASE IN
23 PARTICULAR, THERE'S A VALUE TO THIS LEVEL OF
24 INTERACTION. AND I THINK THAT'S ALSO REFLECTED IN SOME
25 OF THE EVALUATION COMMENTS WHICH ARE ON THE FINAL PAGE

1 OF THE SUMMARY.

2 I THINK THE BIGGEST SOURCE OF CONCERN AND
3 FRUSTRATION FOR THE INSTITUTIONS ARE STILL THE
4 ESSENTIALLY FOREIGN CELL LINES, CELL LINES THAT COME
5 FROM OUTSIDE THE UNITED STATES. A NUMBER OF
6 INSTITUTIONS SORT OF DESCRIBED THEIR EFFORTS TO DO DUE
7 DILIGENCE AROUND LOOKING AT ISSUES ABOUT CONSENT, NOT
8 JUST THE FORMS, BUT TRYING TO DEVELOP A BETTER
9 UNDERSTANDING OF THE CONSENT PROCESS. I WAS QUITE
10 IMPRESSED WITH SOME OF THE INSTITUTIONS THAT REALLY
11 FELT AN OBLIGATION TO CONTACT PEOPLE OVERSEAS AND GET
12 SOME KIND OF UNDERSTANDING OF THE PROCESS.

13 AND THE UPSHOT OF IT ALL WAS THEY FELT THEY
14 COULD MAKE DETERMINATIONS THAT CELL LINES HAVE BEEN
15 ACCEPTABLY DERIVED, BUT THE AMOUNT OF WORK INVOLVED,
16 THEY WOULD HATE TO HAVE TO SEE SOMEONE SORT OF REPEAT
17 THE PROCESS. SO THE BIG QUESTION TO US WAS IS THERE
18 SOME WAY CIRM COULD CREATE A REGISTRY OF THESE LINES OR
19 DEVELOP SOME KIND OF LIST THAT WOULD ALLOW THEM TO BE
20 ABLE TO THEN SAY THESE ARE LIKE SAFE HARBOR CELL LINES.

21 AND I TOOK THAT QUESTION BACK TO CIRM.
22 UNFORTUNATELY AT THE MOMENT WE DON'T REALLY HAVE A
23 MECHANISM THAT WE CAN SORT OF IMMEDIATELY IMPLEMENT. I
24 THINK PERHAPS THE BEST LONG-TERM SOLUTION IS IN THE
25 CONTEXT OF A STEM CELL BANK, AND WE'RE NOT QUITE THERE

1 YET. I THINK UNFORTUNATELY WE'RE IN THIS SORT OF GAP,
2 WE CALL IT, OR THIS INTERMEDIATE PHASE WHERE THERE'S
3 PROBABLY MORE INEFFICIENCY IN THE SYSTEM THAN IS
4 DESIRABLE, BUT THERE'S NO REAL QUICK FIX HERE. I THINK
5 THE REAL VALUE WILL BE AS MORE CIRM-FUNDED CELL LINES
6 ARE DERIVED, HOPEFULLY, IF THEY'RE DERIVED BY OUR
7 GRANTEES, THEN WE HAVE THE ASSURANCE THAT THESE ARE
8 GOOD CELL LINES. SO HOPEFULLY AS THOSE LINES COME INTO
9 PLAY, IT WILL ALLEVIATE THIS PROBLEM, BUT THIS WAS
10 CLEARLY THE BIGGEST PROBLEM FOR WHICH WE DIDN'T HAVE A
11 GOOD ANSWER. AT THIS POINT IN TIME, I DON'T THINK
12 THERE'S A SIMPLE SOLUTION.

13 MOVING ON TO CONSENT AND DONOR PROTECTION.
14 THEY FELT THE CONSENT REQUIREMENTS WERE VERY CLEAR IN
15 THE REGULATIONS. AND, IN FACT, IT WAS INTERESTING. I
16 THINK AT ONE POINT WE HAD CONCERNS ABOUT THEM BEING
17 OVERLY PROSCRIPTIVE. I THINK ACTUALLY A NUMBER OF
18 FOLKS FELT THE CLARITY WAS ACTUALLY QUITE HELPFUL IN
19 THIS PARTICULAR AREA, THE FACT THAT WE LIST OUT A SET
20 OF CONSENT REQUIREMENTS.

21 THERE WAS A LOT OF DISCUSSION REALLY AMONGST
22 THE PARTICIPANTS ABOUT MATERIALS AND METHODS. AND MY
23 SENSE IS THERE WAS A LOT OF SHARING GOING ON THERE,
24 AGAIN, SORT OF HOW PEOPLE ARE DEVELOPING THE CONSENT
25 PROCESS. HAVE THEY DEVELOPED SORT OF MATERIALS

1 TAILORED TO THESE TYPES OF DONORS, THAT ARE TAILORED TO
2 SORT OF HELP AMPLIFY THE INFORMATION REQUIREMENTS OF
3 OUR REGULATIONS?

4 THE OTHER POINT I THINK THAT CAME OUT IS THAT
5 DONORS THAT COME THROUGH THE IVF EXPERIENCE, SO THIS
6 WOULD BE PEOPLE WHO HAVE EMBRYOS CREATED FOR IVF OR
7 HAVE ACCOMPLISHED THEIR REPRODUCTIVE GOALS AND ARE NOW
8 SORT OF AT THE STAGE WHERE THEY'RE PREPARED TO DONATE
9 TO RESEARCH, THE SENSE WAS THAT YOU'RE DEALING THERE
10 WITH AN EXTREMELY EDUCATED POPULATION, SO THEY FELT
11 REALLY THE SPIRIT OF THE CONSENT PROCESS, YOU'RE ABLE
12 TO REALLY ACCOMPLISH THE GOALS OF THE CONSENT BECAUSE
13 THIS IS A HIGHLY, HIGHLY INFORMED POPULATION. SO THAT
14 WAS KIND OF AN INTERESTING COMMENT.

15 AND TO DATE THE ONLY EGG DONATION ISSUES THAT
16 THE INSTITUTIONS THAT PARTICIPATED IN THESE WORKSHOPS
17 HAD INITIATED WERE EGG DONATION WITH
18 FAILED-TO-FERTILIZE OOCYTES. SO THE ISSUES OF SORT OF
19 FRESH EGGS AT THIS POINT IN TIME, THERE WAS NO
20 EXPERIENCE WITH THE FRESH EGGS.

21 DR. ROWLEY: CAN I ASK ANOTHER QUESTION? THE
22 ACADEMY GUIDELINES WERE THAT EVEN IF DONORS HAD GIVEN
23 PERMISSION AT THE TIME OF THE INITIAL DONATION OF
24 GAMETES TO FORM EMBRYOS FOR EXCESS EMBRYOS TO BE USED
25 FOR RESEARCH, THAT, IN FACT, DONORS HAD TO BE -- THEY

1 HAD TO REAUTHORIZE, IF YOU WILL, THE USE OF EXCESS
2 EMBRYOS AT THE TIME THAT THE EMBRYOS WERE GOING TO BE
3 RELEASED FOR RESEARCH PURPOSES. AND WHAT'S THE
4 CALIFORNIA REGULATION ON THAT?

5 DR. LOMAX: WE ACTUALLY HAD SOME EXTENSIVE
6 PUBLIC COMMENT IN THAT AREA. AND THE WAY OUR
7 REGULATIONS WERE ULTIMATELY CRAFTED AS A RESULT OF THAT
8 FEEDBACK, AND THIS IS WHERE THE OAL PROCESS WAS
9 EXTREMELY PRODUCTIVE, IS WE HAVE A MORE EXTENSIVE SET
10 OF CONSENT REQUIREMENTS. AND THOSE REQUIREMENTS TAKE
11 EFFECT AFTER THE EFFECTIVE DATE OF THE REGULATIONS. SO
12 IN TERMS OF THE VERY FINE DETAILS OF THE CONSENT, NOW
13 THAT THOSE REGULATIONS HAVE BEEN IMPLEMENTED, THAT'S
14 THE STANDARD OF CONSENT.

15 NOW, YOU DO HAVE A SET OF EMBRYOS THAT HAD
16 BEEN COLLECTED WITH CONSENT FROM THE GAMETE DONORS, BUT
17 NOT TO THE LEVEL OF GRANULARITY SPECIFIED IN OUR
18 REGULATIONS. THOSE ARE STILL AVAILABLE BECAUSE THEY
19 HAVE BEEN CONSENTED FOR. THEY CONSTITUTE SORT OF
20 ACCEPTABLE -- THEY MEET THE SORT OF CONDITIONS OF
21 CONSENT, OVERSIGHT, REVIEW, BUT WE SPECIFICALLY WROTE
22 THAT BECAUSE THEY'D BEEN COLLECTED PRIOR TO THE DATE OF
23 THE REGULATIONS. YOU CAN'T RETROACTIVELY GO BACK.
24 THAT'S ACTUALLY A VIOLATION OF STATE LAW. YOU CAN'T
25 RETROACTIVELY APPLY A SET OF STANDARDS IN THAT DETAIL.

1 NOW, THE FACT THAT THE CONSENT REQUIREMENT
2 STILL HOLDS BECAUSE THERE WAS ALREADY EXISTING STATE
3 LAW THAT DEALS WITH CONSENT, THAT'S HOW THE BASIC
4 REQUIREMENTS APPLY, BUT THE MORE DETAILED REQUIREMENTS
5 COME ONLINE WHEN THE REGULATIONS THEMSELVES TAKE
6 EFFECT. THAT WAS HOW WE DEALT WITH THAT, BUT IT DID
7 COME UP BECAUSE THERE WERE A NUMBER OF INSTITUTIONS
8 ALREADY SORT OF BANKING THE EMBRYOS WITH THE INTENT OF
9 DOING CELL LINE DERIVATION LONG BEFORE OUR REGULATIONS.

10 DR. ROWLEY: SO THE PRACTICAL THING IS DO
11 THEY HAVE TO GO BACK TO THE DONORS AND RECONSENT THEM,
12 OR ARE THEY SORT OF GRANDFATHERED IN?

13 DR. LOMAX: WELL, THE CONSENT HAS BEEN
14 OBTAINED FOR THE DONORS UNDER A RESEARCH PROVISION, AND
15 THAT WAS STATE LAW THAT PRECEDED THE CIRM REGULATIONS,
16 SO THOSE CONSENTS WERE OBTAINED.

17 DR. ROWLEY: THEY'RE STILL CONSIDERED VALID
18 EVEN THOUGH THEY WERE BEFORE THIS MORE DETAILED
19 REGULATION?

20 DR. LOMAX: THAT'S RIGHT. SO THAT EMBRYOS
21 COLLECTED AFTER THE DATE OF THE REGULATIONS TRIGGER THE
22 MORE ADVANCED, THE MORE DETAILED REQUIREMENTS OF OUR
23 CONSENT.

24 AGAIN, THE COVERED STEM CELL LINE DEFINITION,
25 AGAIN, WE THINK THAT'S BEEN VERY EFFECTIVE. THAT'S

1 SOMETHING IN THE SORT OF STATE DISCUSSIONS WE SORT -- I
2 TRIED TO BRING TO THAT DISCUSSION THE FEEDBACK WE GOT.

3 MAJOR THEMES. AGAIN, I'VE TOUCHED ON THE
4 NEED FOR AN EFFICIENT MECHANISM FOR IDENTIFYING
5 ACCEPTABLY DERIVED CELL LINES AND A COUPLE OF SORT OF
6 MINOR RECOMMENDATIONS WHICH WE'LL TOUCH ON IN THE SORT
7 OF NEXT SEGMENT, BUT NOT A WHOLE LOT WE CAN DO THERE.

8 AND, AGAIN, SOME THOUGHT ABOUT EDUCATIONAL
9 MATERIALS MAY ENHANCE THE QUALITY AND CONSISTENCY OF
10 THE CONSENT PROCESS. I THINK THIS IS, AGAIN, ONE OF
11 THOSE AREAS WHERE OVER TIME, IF WE -- PERHAPS EVEN CIRM
12 CAN PLAY A ROLE OF WORKING WITH A GRANTEE OR SOMEONE TO
13 CONTINUE TO IMPROVE EDUCATION MATERIALS.

14 IT CERTAINLY SEEMED THERE WAS A LOT OF
15 DISCUSSION ABOUT THE VALUE OF GOOD MATERIALS FOR DONOR
16 CONSENT AND THAT SORT OF THING. EVEN THINGS, FOR
17 EXAMPLE, LIKE INTERACTIVE WEB PLACES WHERE PEOPLE COULD
18 GO. AND THE DISCUSSION THERE SORT OF CENTERED AROUND
19 SORT OF THE TYPICAL CRITIQUE OF THE CONSENT PROCESS
20 THAT THERE MAY BE SORT OF TIME OR PRESSURES AND THAT IF
21 SOMEONE CAN STEP AWAY FROM THE PROCESS AND GO TO A
22 SOURCE WHERE THEY CAN SORT OF PROBE IN THEIR OWN
23 PERSONAL SPACE, THAT COULD ENHANCE CONSENT. EXAMPLES
24 LIKE THAT CAME UP AS POSSIBLE WAYS OF ENHANCING AND
25 IMPROVING DONOR EDUCATION.

1 I WANT TO JUST TOUCH -- NOW, THIS IS STEPPING
2 AWAY FROM THE WORKSHOPS AND SOME OTHER ACTIVITIES THAT
3 I THINK HAVE BEEN USEFUL. AGAIN, MARY TOUCHED ON THIS.
4 I'VE TOUCHED ON IT AGAIN. THE INTERSTATE ALLIANCE FOR
5 STEM CELL RESEARCH, AGAIN, WITH A MEETING COMING UP, WE
6 THINK THAT'S GOING TO BE A VERY PRODUCTIVE FORUM FOR
7 PROMOTING CONSISTENCY AMONG REGULATIONS.

8 THE UNITED KINGDOM CONSUL OF SCIENCE AND
9 INNOVATION HAS SPONSORED A NUMBER OF EVENTS WHERE THERE
10 HAVE BEEN A NUMBER OF THEMES AROUND PROMOTING
11 CONSISTENCY AND COLLABORATION AND SHARING
12 INTERNATIONALLY. ONE EXAMPLE IN PARTICULAR IS WE'VE
13 BEEN CHATTING WITH HFEA. AS YOU WELL KNOW, IN OUR
14 REGULATIONS WE SORT OF AUTHORIZE CERTAIN CELL LINES
15 THAT HAVE BEEN, FOR EXAMPLE, DEPOSITED IN THE UK STEM
16 CELL BANK. THAT'S SORT OF A SAFE HARBOR THAT ALLOWS
17 PEOPLE TO USE THOSE LINES MORE EFFICIENTLY.

18 I'VE BEEN SORT OF POINTING THAT OUT TO FOLKS
19 IN THE UK AND OTHER PLACES TO SUGGEST THAT THEY SHOULD
20 NOW BE LOOKING AT OUR REGULATIONS, EVALUATING OUR
21 GUIDELINES, AND CONSIDERING RECIPROCAL-TYPE POLICIES
22 BECAUSE IF YOU ACTUALLY LOOK CAREFULLY AT THE UK STEM
23 CELL BANK REQUIREMENTS, THERE IS ACTUALLY LANGUAGE IN
24 THERE WHERE THEY FEEL COMPELLED TO EVALUATE WHAT
25 SOMEONE MAKING A WITHDRAWAL FROM THE BANK WILL BE DOING

1 WITH THOSE CELL LINES, WHICH AGAIN ADDS ANOTHER LAYER.

2 AND WE HAD SOME DISCUSSIONS WHERE SOME
3 RESEARCHERS WERE PRESENT IN A MEETING, AND THEY'RE
4 SAYING, "SO I'VE GOT TO NOT ONLY DO MY IRB AND MY SCRO
5 POTENTIALLY, BUT I'VE ALSO GOT TO DO AN APPLICATION TO
6 THE UK STEM CELL BANK." THAT'S ANOTHER DISINCENTIVE
7 FOR THAT RESOURCE.

8 SO WE'VE SORT OF PITCHED THIS IDEA OF HERE'S
9 HOW WE'VE HANDLED IT. WHAT DO YOU THINK? I THINK THAT
10 MESSAGE IS STARTING TO COME INTO THE CONVERSATION, AND
11 WE'LL SEE. TO SORT OF AMPLIFY THE POWER OF THIS IDEA,
12 THERE'S THE -- WE HAD A DELEGATION FROM THE RIKEN
13 INSTITUTE IN JAPAN, WHICH IS AN INSTITUTE THAT IS SORT
14 OF ANALOGOUS TO THEIR -- IT INCLUDES THEIR STEM CELL
15 BANK. IT'S ACTUALLY A MUCH BIGGER INSTITUTE. THEY
16 SORT OF MANAGE A LOT OF BIOMEDICAL MATERIALS FOR
17 RESEARCH IN JAPAN, AND THEIR DELEGATION BROUGHT THEIR
18 REGULATIONS AND PRESENTED THEIR REGULATIONS TO US.
19 THEY'RE INCLUDED IN THE PACKET TODAY. AND THEY
20 SPECIFICALLY WERE INTERESTED IN SEEING THAT STEM CELL
21 LINES DERIVED UNDER THEIR REGULATIONS BE SPECIFICALLY
22 APPROVED FOR USE BY CIRM.

23 I HAVE HAD AN OPPORTUNITY TO REVIEW THE
24 REGULATIONS. I THINK THEY'RE MOST COMPATIBLE WITH THE
25 CANADIAN GUIDELINES, WHICH ARE A BIT MORE RESTRICTIVE

1 EVEN THAN OUR REGULATIONS. AND CERTAINLY FROM A POLICY
2 LEVEL, BASED ON MY ANALYSIS, I SEE NO INCONSISTENCY
3 WITH WHAT WE'VE ALREADY DONE IN TERMS OF SAYING IF
4 IT'S -- LIKE WE SAY WITH THE CANADIAN LINES, IF IT'S
5 DERIVED UNDER THIS AUTHORITY, IT CAN BE USED IN
6 CIRM-FUNDED RESEARCH. SO, AGAIN, PUT THAT OUT AS
7 ANOTHER SORT OF POLICY OPTION THAT DOESN'T SOLVE THIS
8 PROBLEM OF INTERNATIONAL STEM CELL LINES, BUT PERHAPS
9 TAKES ANOTHER SMALL STEP TOWARDS ALLEVIATING SOME OF
10 THE PROBLEMS.

11 DR. KIESSLING: GEOFF, IS THAT THIS DOCUMENT
12 LABELED "THE GUIDELINES"?

13 DR. LOMAX: CORRECT.

14 DR. KIESSLING: THAT'S FROM THE RIKEN?

15 DR. LOMAX: IT'S JAPANESE LEGISLATION THAT
16 GOVERNS RIKEN, BUT IT'S NOT FROM THE RIKEN TECHNICALLY.
17 IT'S ACTUALLY THE LAW OF JAPAN. I CAN CLARIFY THAT. I
18 NEED TO -- I THINK IT'S THE EQUIVALENT OF SORT OF HOW
19 HFEA POLICIES WORK. IT COMES FROM A FEDERAL MANDATE.
20 THE DIAGRAM ON THE BACK, I THINK, IS AN EXCELLENT
21 DIAGRAM. IT SORT OF SHOWS THEIR OVERALL PROCEDURES AND
22 PROCESS FOR REVIEW, EXCHANGE, AND I THINK IT'S, AGAIN,
23 PERHAPS MORE ELABORATE THAN EVEN THE --

24 DR. KIESSLING: THIS IS ACTUALLY JAPAN'S. I
25 THINK EVERYBODY MAY BE AWARE OF THIS, BUT THIS IS

1 ACTUALLY JAPAN'S HUMAN GENOME, BASIC HUMAN GENOME
2 PROJECT. AND THEY MAINTAIN A VERY POWERFUL WEBSITE
3 THAT IS A MAJOR RESOURCE FOR HUMAN GENOME RESEARCH AND
4 THE RIKEN GROUP DOES. THEY'RE MAJOR CONTRIBUTORS TO
5 OUR GEN BANK INFORMATION.

6 DR. ROWLEY: I WAS GOING TO SAY ACTUALLY IT'S
7 BROADER THAN HUMAN, OF COURSE, BECAUSE THEY HAVE THE
8 MOUSE AND THE REST OF IT. SO THAT IS GENOME INSTITUTE
9 OR THE GENOME GEN BANK OF JAPAN.

10 DR. KIESSLING: THIS IS WHAT THEY BROUGHT TO
11 THIS MEETING, THESE GUIDELINES?

12 DR. LOMAX: CORRECT. THOSE ARE THE
13 GUIDELINES WHICH GOVERN THE USE OF HUMAN EMBRYONIC STEM
14 CELLS IN JAPAN.

15 DR. ROWLEY: WELL, IT JUST POINTS OUT THE
16 FACT THAT THE UNITED STATES HAS NO GUIDELINES IS REALLY
17 A SCIENTIFIC DISGRACE. WELL, IT'S A MORAL AND ETHICAL
18 DISGRACE AS WELL.

19 DR. LOMAX: OKAY. MOVING FORWARD TO OUTCOMES
20 AND OBJECTIVES. OVERALL, AGAIN, WE'VE TOUCHED ON A FEW
21 NEW REGULATORY ISSUES. I'M GOING TO SKIP THAT POINT.
22 NEW COLLABORATIONS HAVE EMERGED, WHICH, AGAIN, WE'VE
23 TOUCHED ON BOTH AT THE STATE AND NATIONAL LEVEL.
24 AGAIN, I THINK THIS IS VERY POSITIVE. IT GIVES US KIND
25 OF A KNOWLEDGE BASE TO SORT OF NETWORK TO TRY TO

1 EVALUATE OUR POLICIES AGAINST. AND, AGAIN, TOWARDS THE
2 GOAL OF MAXIMUM SORT OF ADVANCING SORT OF RESEARCH AND
3 EXCHANGE, IT GIVES US SOME IDEAS AT THE POLICY LEVEL.

4 IN ADDITION, SORT OF A VERY PRACTICAL OUTCOME
5 OF THIS EFFORT IS WE NOW HAVE A SHARED CONTACT LIST FOR
6 THE INSTITUTIONS IN CIRM. AND WE'VE SORT OF PUT THAT
7 LIST OUT TO THE INSTITUTIONS SO THEY CAN CONTINUE TO
8 TALK AMONGST THEMSELVES, AND THEN USING THAT LIST TO
9 CONTINUALLY UPDATE THEM ON ANY NEW ISSUES OR POLICY
10 MATTERS. AND, AGAIN, I THINK THESE NEW INTERNATIONAL
11 COLLABORATIONS ARE EXTREMELY POSITIVE.

12 AGAIN, THIS IS NOW TWO NEW REGULATORY ISSUES.
13 I'VE TOUCHED ON THESE, BUT THE ACCEPTABLY DERIVED
14 LINES, AGAIN, I DON'T THINK THE REGISTRY IS GOING TO BE
15 A PRACTICAL SOLUTION IN THE NEAR TERM, BUT WE COULD
16 CONSIDER THE JAPANESE REGULATIONS AND CONTINUE TO LOOK
17 AT OTHER NATIONAL PROGRAMS. SOME FOLKS HAVE SUGGESTED
18 THERE MAY BE OTHER COUNTRIES TOO THAT WE COULD DO
19 OUTREACH TO. CERTAINLY THAT'S OF BENEFIT.

20 FINALLY, I WANT TO MOVE TO ONE ISSUE WHICH I
21 HAVEN'T TOUCHED ON. IT CAME UP THROUGH ONE OF THESE
22 MORE SORT OF OPPORTUNISTIC MECHANISMS. AND IT WAS AN
23 INTERESTING CONVERSATION. I WAS APPROACHED BY AN
24 ATTORNEY WHO WORKS WITH IVF COUPLES WHO HAVE PAID EGG
25 DONORS TO CREATE EMBRYOS. AND IF YOU RECALL, IN OUR

1 DISCUSSIONS WE LOOKED AT THIS, THE CURRENT REGULATIONS,
2 IF YOU HAVE PAID A GAMETE DONOR TO CREATE AN EMBRYO,
3 THAT EMBRYO IS NOT ELIGIBLE FOR CIRM-FUNDED RESEARCH BY
4 VIRTUE OF THE PAYMENT.

5 AT THE TIME ONE OF THE RATIONALES, BASED ON
6 THE RECORD, IS THAT WE LOOKED AT THE OVERALL PERCENTAGE
7 OF EMBRYOS, AND THOSE NUMBERS WERE REFLECTED IN DR.
8 GIUDICE'S SLIDES, THAT IT WAS A VERY SMALL PROPORTION,
9 ROUGHLY 8 TO 10 PERCENT, I BELIEVE, OF THE EMBRYOS THAT
10 ARE IN FREEZERS ARE EMBRYOS THAT WERE CREATED AS A
11 RESULT OF THE COUPLE OR THE WOMAN WHO'S INTENDING TO
12 GET PREGNANT PAYING AN OOCYTE DONOR. I THINK AT THE
13 TIME IT WAS A FAIRLY UTILITARIAN SORT OF CALCULATION TO
14 SAY THIS DOESN'T APPEAR LIKE IT'S GOING TO UNDERMINE
15 THE RESEARCH. IT AVOIDS SORT OF CONCERNS ABOUT PAYMENT
16 AND COERCION; THEREFORE, OUR REGULATIONS ARE WHAT THEY
17 ARE. I THINK I'M PARAPHRASING, BUT I THINK THAT WAS
18 THE ESSENTIAL LOGIC OF THE DISCUSSION.

19 SINCE THEN WHAT WE'VE HAD IS -- THE POINT
20 THAT THIS ATTORNEY MADE IS THERE IS ACTUALLY A
21 CONSTITUENCY OUT THERE OF COUPLES THAT HAVE THESE
22 EMBRYOS, THEY HAVE A DESIRE TO DONATE THEM TO RESEARCH,
23 AND THEY SORT OF SEE CIRM-FUNDED RESEARCH AS THE
24 ATTRACTIVE SORT OF VENUE OF DONATION, AND THEY'RE NOT
25 ABLE TO DO THAT. AND, AGAIN, I SORT OF DON'T WANT TO

1 PASS JUDGMENT ON THAT REGULATION, BUT I THINK AT THIS
2 POINT IT IS INTERESTING THAT WE NOW HAVE A SORT OF NEW
3 CONSTITUENCY THAT EMERGED, AND IT'S, I SUPPOSE, AT A
4 SORT OF ETHICAL LEVEL, WE'VE IN A SENSE EXCLUDED A
5 CONSTITUENCY.

6 AND I THINK THE QUESTION BECOMES IS THERE ANY
7 CONCERN ABOUT THAT AMONGST THE WORKING GROUP? AGAIN, I
8 DON'T THINK THERE'S AN IMPERATIVE HERE, BUT THERE'S A
9 NEW CONSTITUENCY OUT THERE THAT HAS CONCERNS ABOUT THE
10 SPECIFICS OF THIS REGULATION.

11 AS A SIDE NOTE, ACTUALLY THE ATTORNEY WHO
12 APPROACHED ME ON THIS WOULD HAVE LIKED TO HAVE BEEN AT
13 THIS MEETING TO PRESENT TO YOU AND WAS ACTUALLY ALSO
14 INTERESTED IN BRINGING SOME FOLKS IN WHO ARE AFFECTED
15 BY THIS, BUT UNFORTUNATELY SHE'S AT A CONFERENCE ON THE
16 EAST COAST FOR THIS MEETING AND EXPRESSED AN INTEREST
17 IN FOLLOWING UP WITH THE COMMITTEE IF THIS WAS AN ITEM
18 OF INTEREST. SO I BRING THAT TO YOUR ATTENTION.

19 AND I THINK WE'VE -- JAPANESE REGULATIONS
20 I'VE TOUCHED ON. THIS IS A SLIDE. I'M CHECKING
21 THROUGH MY SLIDES. THE EMBRYOS CREATED FOR
22 REPRODUCTIVE PURPOSES.

23 DR. PRIETO: ARE YOU ASKING US TO ADDRESS
24 THAT PARTICULAR QUESTION NOW?

25 DR. LOMAX: I'M NOT. REALLY IT'S JUST A

1 STRAIGHT REPORT BACK. THIS IS SORT OF A FINAL POINT
2 THAT I SORT OF PUT OUT THERE FOR THE COMMITTEE, AND I
3 LEAVE IT TO THE CO-CHAIR TO DECIDE WHERE HE'D LIKE
4 TO TAKE IT. I THINK THAT FINALIZES MY REPORT.

5 CHAIRMAN LO: GREAT. THANK YOU, GEOFF.
6 FIRST, ANY QUESTIONS FOR GEOFF ABOUT THE REPORT,
7 CLARIFICATIONS?

8 THERE WERE A NUMBER OF ISSUES THAT --

9 MR. SHEEHY: JUST THAT LAST SLIDE THAT YOU
10 FLASHED, SO THE DONOR PROVIDED CONSENT FOR EMBRYO
11 DESTRUCTION OR RESEARCH DONATION AT THE TIME OF
12 DONATION?

13 DR. LOMAX: YES.

14 DR. PRIETO: WHICH SLIDE ARE YOU REFERRING
15 TO, GEOFF?

16 DR. LOMAX: EMBRYOS CREATED FOR REPRODUCTIVE
17 PURPOSES.

18 DR. PRIETO: WHAT WAS THE COMMENT?

19 MR. SHEEHY: SO THE DONOR WAS PAID AND THEN
20 PROVIDED CONSENT FOR RESEARCH DONATION.

21 DR. LOMAX: OR DESTRUCTION.

22 MR. SHEEHY: YOU KNOW, I'M JUST TRYING TO GET
23 MY HEAD AROUND THIS ISSUE, THIS NEW ISSUE THAT YOU
24 RAISE. IT WOULD HAVE BEEN DIFFERENT IF IT WAS THE
25 DONOR HAD MADE THE DONATION AND WAS INTENDING

1 DESTRUCTION OR USE. THE RECIPIENT OF THE DONATION
2 DECIDED THEY NO LONGER NEEDED THEM, AND THEN THE
3 COMPENSATION ISSUE PROBABLY COULD HAVE BEEN FINESSED,
4 BUT THE FACT THAT THE DONOR WAS AWARE THAT THE DONATION
5 WAS GOING TO BE MADE FOR RESEARCH AT THE TIME MAKES IT
6 PART OF THE COMPENSATION CALCULATION. DO YOU SEE KIND
7 OF WHERE I'M GOING? IF THIS WAS ALL POST HOC --

8 DR. LOMAX: I POSED THAT QUESTION, BUT I
9 THINK WHAT'S GOING ON THERE, MY UNDERSTANDING, BECAUSE
10 I PROBED ON THIS A LITTLE BIT, IS THAT THIS IS A FAIRLY
11 STANDARDIZED PROCEDURE. AND, ROB, PERHAPS YOU HAVE, I
12 IMAGINE, MORE INSIGHT HERE. THAT THE CONSENT
13 PROCEDURES ARE FAIRLY STANDARDIZED, AND THE KIND OF, AS
14 I UNDERSTOOD IT, THE KIND OF MOST LIBERAL SORT OF
15 STANDARD APPROACH IS TO SORT OF SAY THE RECIPIENT HAS
16 FULL CUSTODY OF THE DISPOSITION. THEY CAN MAKE THAT
17 DECISION. AND THE DONOR, AS PART OF THAT FINAL
18 DISPOSITION, CAN INCLUDE EITHER DESTRUCTION OR DONATION
19 TO RESEARCH, WHICH I THINK EXHAUSTS ALL POSSIBILITIES.

20 SO IT'S THE IDEA THAT THERE'S AN OPEN-ENDED
21 CONSENT ON THE ORIGINAL DONOR'S END TO SORT OF GIVE
22 TOTAL CUSTODY TO THE COUPLE RECEIVING THEM. THE POINT
23 BEING THAT, AGAIN, THAT THE INITIAL INTENT ON THE
24 COUPLE RECEIVING THEM IS THEY'RE TRYING TO HAVE A BABY.

25 MR. SHEEHY: FOR THE DONOR THAT BECOMES PART

1 OF THE COMPENSATION. SO THE COMPENSATION INCLUDES A
2 RESEARCH USE. SO SHE HAS BEEN COMPENSATED FOR THE
3 RESEARCH USE BECAUSE SHE CONSENTED TO IT WHEN SHE MADE
4 THE DONATION AS OPPOSED TO SHE -- IN OTHER WORDS, THE
5 OVERLY BROAD CONSENT KIND OF TAKES -- IF THIS IS THE
6 CONSENT THAT WE'RE WORKING OFF OF, IT KIND OF TAKES
7 THIS ISSUE OFF OUR TABLE BECAUSE IF SHE HAD JUST
8 CONSENTED TO DESTRUCTION OR USE FOR CREATING A
9 FAMILY -- IT'S JUST THAT POINT KIND OF MAKES THIS WHOLE
10 ISSUE MOOT BECAUSE, GIVEN THAT THE CONSENT WAS GIVEN AT
11 THE TIME OF COMPENSATION, THEN THIS WOULD BE A
12 COMPENSATED EGG AS OPPOSED TO IF THE CONSENT FOR
13 RESEARCH HAD NOT BEEN GIVEN AT THAT TIME.

14 THEN IF AFTER THE FACT THE RECIPIENT OF THE
15 DONATION WAS FINISHED WITH THEIR REPRODUCTIVE OR
16 WHATEVER USE THAT THEY MAY HAVE HAD FOR THAT EMBRYO,
17 AND THEN WE WENT BACK AND CONTACTED THAT DONOR, THAT
18 DONOR WOULD HAVE ALREADY BEEN COMPENSATED FOR THAT ONE
19 USE, AND AT THIS POINT IT WOULD HAVE BEEN A PURELY
20 ALTRUISTIC DONATION AS OPPOSED TO ONE THAT WOULD HAVE
21 BEEN COMPENSATED. BUT THIS IS COMPENSATED AT THE
22 BEGINNING WITH THE KNOWLEDGE THAT THIS COULD BE A
23 RESEARCH DONATION, SO THE RESEARCH POSSIBILITY IS PART
24 OF THE COMPENSATION.

25 DR. PRIETO: SO YOU'RE SAYING THAT THAT WOULD

1 CLOSE OFF OUR ACCESS; WHEREAS, IF IT WERE NOT CONSENTED
2 UNTIL LATER, THEN IT WOULD NOT?

3 DR. TAYLOR: ISN'T OUR ACCESS CLOSED OFF?
4 HAVEN'T WE BEEN THROUGH THIS ENOUGH TIMES? I HAVE TO
5 ADMIT I DON'T WANT TO BE A --

6 DR. LOMAX: THAT MAY BE FAIR ENOUGH. COULD I
7 JUST MAKE ONE OTHER POINT BECAUSE I KNOW, JESSE, YOU'RE
8 HERE, AND I JUST WANT TO NOT APPEAR THAT WE WERE
9 OVERLOOKING. I JUST WANTED TO POINTED OUT, BECAUSE I
10 DON'T THINK YOU WERE IN THE ROOM AT THE TIME, I DID
11 POINT OUT THE LETTER THAT WE RECEIVED. I DON'T KNOW IF
12 YOU RECEIVED A COPY OF THE LETTER FROM SUSAN, AND THAT
13 CAME UP IN THE DISCUSSION EARLIER. SO I JUST DIDN'T
14 WANT TO APPEAR REMISS THAT WE WERE SORT OF SELECTIVELY
15 CHOOSING WHAT COMMENTS WE BROUGHT TO THE COMMITTEE. SO
16 I JUST WANTED TO STATE THAT FOR THE RECORD.

17 DR. ROWLEY: AT THE RISK OF APPEARING OBTUSE,
18 IT SEEMS TO ME THAT THE TIME THAT THE PAID GAMETE DONOR
19 PROVIDES THE GAMETES, THAT INDIVIDUAL HAS NO IDEA AS TO
20 WHETHER ALL EMBRYOS ARE GOING TO BE USED FOR INTENDED
21 PARENTS' USE AND HAS NO IDEA THAT THERE WILL BE ANY
22 LEFT OVER FOR ANYTHING. SO I WOULD THINK THAT, IN
23 FACT, TO THEN SAY THAT THE DONOR HAS BEEN COMPENSATED
24 FOR RESEARCH DONATION IS A STRETCH. AND I PERSONALLY
25 WOULDN'T HAVE ANY PROBLEM WITH USING THAT EMBRYO IF

1 IT'S NOW GOING TO BE DESTROYED.

2 AND IF THIS IS BOILERPLATE IN THE CONSENT
3 FORM THAT EVERYBODY SIGNS OR SIGNED AT THAT POINT, I
4 DON'T THINK THAT IT SHOULD BE CONSIDERED AS A
5 COMPENSATED GAMETE.

6 DR. KIESSLING: DO YOU WANT TO DEBATE THIS
7 NOW?

8 CHAIRMAN LO: NO. I ACTUALLY DON'T. LET ME
9 TRY AND SUGGEST A PROCEDURE AND SEE IF THIS IS
10 AGREEABLE TO YOU. WHAT I WOULD LIKE TO DO IS IDENTIFY
11 ISSUES THAT WE WOULD LIKE TO REALLY CONSIDER IN-DEPTH.
12 I DON'T THINK RIGHT NOW IS THE TIME TO GO OVER THIS
13 SPECIFIC ISSUE. I THINK I WOULD PREFER OR SUGGEST
14 THAT, INSTEAD, WE SAY HERE ARE THREE, FOUR, HOWEVER
15 MANY ISSUES THAT WE WOULD LIKE TO GET INTO IN MORE
16 DEPTH. IF WE MAKE THAT DECISION, THEN I THINK WE
17 CHARGE GEOFF WITH PREPARING A SORT OF POLICY BRIEFING
18 MEMO FOR US SORT OF SUMMARIZING WHAT WE'VE ALREADY --
19 GO BACK AND LOOK AT THE RECORD AND SEE WHAT WE DID
20 WHEN -- IF WE CONSIDERED THIS BEFORE, LOOK AT OTHER
21 AVAILABLE THINKING ON THE TOPIC OF BOTH PUBLICATIONS,
22 ADVOCACY POSITIONS, PERSONAL COMMENTS, WHATEVER, TRY
23 AND PREPARE A MEMO FOR US THAT WE CAN LOOK AT THAT LAYS
24 OUT THE ISSUES, THE OPTIONS FOR DEALING WITH THEM, THE
25 PROS AND CONS OF EACH OPTION. AND AT THAT POINT I

1 THINK WE'D BE IN A BETTER POSITION TO REALLY GET INTO
2 THIS.

3 FIRST, I WANT TO SORT OF GET YOUR AGREEMENT
4 TO AT THIS POINT IDENTIFY ISSUES RATHER THAN SORT OF
5 TRY AND RESOLVE THE ISSUES. AND IF THAT'S -- MAYBE
6 I'LL JUST DO A CHECK. DOES THAT SEEM REASONABLE? TRY
7 AND IDENTIFY THE ISSUES, AND ON EACH ONE SEE IS THERE
8 ENOUGH INTEREST THAT WE SHOULD ASK GEOFF TO PREPARE A
9 BRIEFING MEMO.

10 IN TERMS OF JUST IDENTIFYING ISSUES RATHER
11 THAN TRYING TO RESOLVE THEM, DOES THAT SOUND REASONABLE
12 GIVEN WHERE WE ARE?

13 I HEARD SEVERAL ISSUES THAT WE MIGHT WANT TO
14 CONSIDER. I'M JUST OFFERING THESE. THERE MAY BE
15 OTHERS. ONE IS CERTAINLY THIS ISSUE HERE. THE OTHER
16 IS COMPENSATION FOR SCRO MEMBERS WHO ARE NOT AFFILIATED
17 WITH THE INSTITUTION. ANOTHER IS SHOULD WE MAKE AN
18 EXPLICIT AMENDMENT TO THE REGULATIONS TO DEEM IN -- TO
19 EXAMINE THE PROCEDURE FOR HSC STEM CELL LINE DERIVATION
20 IN JAPAN AND SEE IF IT SHOULD BE DEEM -- IF CELL LINES
21 FROM JAPAN SHOULD BE DEEMED ACCEPTABLE FOR CIRM
22 RESEARCH AS THE UK AND CANADA ARE.

23 AND THEN, FINALLY, I GUESS IT'S THE ISSUE
24 THAT IS REALLY A REMNANT FROM BEFORE THE BREAK, THAT
25 ANN RAISED THE ISSUE OF CHIMERAS OR CYCLOIDS, I THINK,

1 IS WHAT THEY'RE CALLING THEM IN THE UK, SHOULD WE BE
2 PREPARING, AT LEAST EDUCATING OURSELVES ON WHAT ARE THE
3 ISSUES IN TERMS OF THE ETHICAL PERMISSIBILITY OF
4 FUNDING SUCH RESEARCH BY THIS BODY? I THINK ANN
5 SUGGESTED THAT MAYBE WE SHOULDN'T DO ALL OF CHIMERAS,
6 BUT TRY AND GET SOME SCIENTIFIC IDEAS ON WHAT ARE THE
7 MOST LIKELY KINDS OF RESEARCH WE'D BE PRESENTED WITH.
8 I THINK YOU IDENTIFIED INSERTION OF HUMAN STEM CELLS OR
9 DERIVATIVES INTO MOUSE BLASTOCYSTS.

10 SO THAT'S A NUMBER OF ISSUES. I DON'T KNOW
11 IF OTHERS EXTRACTED OTHER THINGS, BUT MAYBE WE COULD
12 SORT OF JUST SEE WHAT ISSUES DO WE WANT GEOFF TO SORT
13 OF REALLY RESEARCH IN DEPTH FOR US AND PREPARE A
14 BRIEFING MEMO FOR US AS HE'S DONE IN THE PAST. OTHER
15 ISSUES?

16 MS. KING: LOOKING AT JAPAN, THAT'S AN
17 OBVIOUS ONE.

18 CHAIRMAN LO: SHOULD WE ACCEPT THEM AS ALL
19 LINES FROM JAPAN ARE AUTOMATICALLY ELIGIBLE FOR CIRM
20 FUNDING PROVIDED THEY MET THE JAPANESE STANDARDS?

21 MS. KING: WE SHOULD LOOK AT THAT.

22 DR. KIESSLING: THE ISSUE WE WERE TALKING
23 ABOUT WITH THESE SUPERNUMERARY EMBRYOS WHERE THE DONOR,
24 NOT THE COMPENSATION ISSUE, BUT WHERE THE DONOR -- ONE
25 OF THE GAMETE DONORS WAS NOT AWARE THAT THEY MIGHT BE

1 USED TO DERIVE A STEM CELL LINE. I DON'T THINK THAT'S
2 A TRIVIAL ISSUE. I THINK THE ISSUE OF COMPENSATION IS
3 SEPARATE, BUT I THINK THAT A LOT OF PEOPLE SIGNED
4 CONSENT TEN YEARS AGO THAT THEIR EMBRYOS COULD BE USED
5 FOR RESEARCH, BUT THAT DIDN'T INCLUDE THE CONCEPT THAT
6 THEY COULD EXPAND INTO A CELL LINE AND HAVE THEIR
7 GENETICS DISTRIBUTED WIDELY FOR RESEARCH. THAT WAS A
8 DIFFERENT CONCEPT FOR THOSE RESEARCH CONSENT FORMS.

9 CHAIRMAN LO: ACTUALLY THERE MAY BE A SERIES
10 OF ISSUES. ONE IS SUPPOSE THEY DIDN'T EVEN CONSENT FOR
11 RESEARCH, BUT JUST SAID TO THE COUPLE IN IVF, "DO
12 WHATEVER YOU WANT WITH THEM. I DON'T CARE ANYMORE."

13 DR. KIESSLING: BUT THE ASSUMPTION WAS THEY
14 WOULD END UP IN SOME BABY FORM, NOT NECESSARILY A STEM
15 CELL LINE.

16 CHAIRMAN LO: RIGHT. RIGHT. SO IS CONSENT
17 TO SORT OF RESEARCH IN GENERAL ALLOW RESEARCH FOR STEM
18 CELLS, OR DO WE REALLY NEED, AS WE'VE -- CURRENT
19 REGULATIONS SAY THEY HAD TO HAVE CONSENTED FOR STEM
20 CELL RESEARCH, BOTH GAMETE DONORS. THAT'S WHAT WE DID.
21 SO LET'S DO THE JAPAN ISSUE FIRST. IS IT THE SENSE OF
22 THIS COMMITTEE THAT WE WOULD WANT GEOFF TO REALLY GO
23 INTO THIS IN DEPTH AND PREPARE THE ARGUMENTS PRO AND
24 CON DEEMING THEM IN? I GUESS I WOULD ALSO SAY ANY
25 OTHER COUNTRIES? I MEAN AUSTRALIA IS SUPPOSED IN THE

1 NEXT MONTH OR TWO TO BE REVISING ITS STEM CELL LINES --
2 NATIONAL STEM CELL POLICY. SHOULD WE SORT OF HAVE
3 GEOFF BE ON THE LOOKOUT FOR COUNTRIES WHOSE POLICIES
4 ARE SO CONSISTENT WITH OURS, THAT WE SHOULD JUST ACCEPT
5 ALL THEIR STEM CELL LINES? THEY ALSO HAVE AN OVERSIGHT
6 BODY.

7 DR. KIESSLING: GEOFF, ARE YOU GOING TO THE
8 INTERNATIONAL MEETING IN AUSTRALIA?

9 DR. LOMAX: I'M NOT GOING TO BE ATTENDING
10 THAT MEETING, NO.

11 DR. KIESSLING: IS ANYBODY -- WHO FROM --

12 CHAIRMAN LO: I'M NOT GOING AS CIRM. I'M
13 GOING.

14 DR. KIESSLING: YOU'RE GOING BECAUSE THAT
15 WOULD BE A GOOD PLACE THAT WE COULD FIND THESE.

16 DR. LOMAX: IN TERMS OF THAT MEETING, ONE OF
17 THE FOLKS I'VE BEEN SORT OF CARRYING THIS CONVERSATION
18 WITH VERY CLOSELY IS THE HFEA PRESIDENT, AND SO SHE
19 WILL -- WE'VE ALSO BEEN TALKING ABOUT THIS SORT OF SAME
20 LEVEL OF EVALUATION BECAUSE WE'RE BOTH INTERESTED IN IT
21 FOR THE SAME REASONS. I HAVE A COLLABORATOR, IF YOU
22 CAN CALL IT THAT, WHO WILL HOPEFULLY BE FACT-FINDING ON
23 THE GROUND IN AUSTRALIA.

24 CHAIRMAN LO: SO IT SOUNDS LIKE THERE'S A
25 SENSE OF THE COMMITTEE THAT WE WANT GEOFF TO SORT OF

1 LOOK OUT FOR OTHER COUNTRIES WHOSE LINES MIGHT BE
2 DEEMED ACCEPTABLE WITHOUT FURTHER REVIEW?

3 THE ISSUE OF COMPENSATION --

4 DR. ROWLEY: BEFORE YOU LEAVE THAT TOPIC, ARE
5 YOU IMPLYING THAT GEOFF IS TO DO MORE WORK THAN PROVIDE
6 US WITH THE GUIDELINES OR --

7 CHAIRMAN LO: WELL --

8 DR. ROWLEY: I'M A BIT CONFUSED BECAUSE THESE
9 REGULATIONS SEEM TO BE FAIRLY CAREFUL. THE ONLY THING
10 I NOTICED WAS THAT THEY ALLOW FOR USE OF EMBRYO CELLS
11 UP TO 14 DAYS, AND I THOUGHT CALIFORNIA LAW WAS 12.
12 BUT OTHER THAN THAT DIFFERENCE, IT SEEMS TO ME THEY'RE
13 PRETTY COMPATIBLE.

14 DR. LOMAX: I THINK YOU'VE KIND OF NAILED IT
15 ON THE HEAD. I THINK AS A DUE DILIGENCE
16 RESPONSIBILITY, HIGHLIGHTING WHERE THOSE EXACT
17 DIFFERENCES LIE, AS BERNIE INDICATED, IN SOME TYPE OF
18 PUBLIC BRIEFING MEMO WHICH HAS THE BENEFIT OF PUBLIC
19 INPUT AND PUBLIC REVIEW. WE JUST HAVE TO HIGHLIGHT ANY
20 AND ALL DIFFERENCES DEEMED SIGNIFICANT, AND THAT'S PART
21 OF THE PROCESS.

22 CHAIRMAN LO: I THINK IT ALSO WOULD BE WORTH,
23 GEOFF, TO SORT OF QUOTE EXACTLY HOW IT COMPLIES WITH
24 EACH OF OUR BROAD REQUIREMENTS. SO THIS IS THE PART
25 WHERE THEY TALK ABOUT INFORMED CONSENT. THAT SOUNDS

1 LIKE THAT'S SOMETHING WE DO WANT GEOFF TO DO.

2 SHALL WE MOVE ON TO ANOTHER TOPIC, AND NO
3 PARTICULAR ORDER HERE. THE NONAFFILIATED SCRO MEMBERS
4 AND COMPENSATION FOR THEM, IS THAT SOMETHING WE WANT TO
5 READDRESS, AGAIN, WHETHER WE WANT TO CONSIDER
6 READDRESSING AFTER GETTING MORE INFORMATION ON IT? SO
7 IT WOULD BE SORT OF REVIEWING THE PREVIOUS DISCUSSIONS
8 THAT WE'VE HAD ON THIS TOPIC AND ANY SORT OF NEW
9 ARGUMENTS PRO AND CON. YOUR THOUGHTS?

10 DR. OLDEN: YES.

11 CHAIRMAN LO: LOTS OF YESES. OKAY. I THINK,
12 GEOFF --

13 MS. KING: ACTUALLY I HAVE A PROBLEM. AND
14 THAT IS, IT'S GOT NOTHING TO DO WITH THE MERITS OF THE
15 ISSUE. IT IS THE QUESTION OF HOW OFTEN AND FOR WHAT
16 REASONS YOU ARE GOING TO READDRESS SECTIONS OF
17 REGULATION THAT HAVE NOT BEEN OUT THERE VERY LONG. SO
18 THIS WOULD APPLY TO SEVERAL ISSUES, AND I WANT TO MAKE
19 IT CLEAR I'M NOT GOING TO THE MERITS OF THE DISCUSSION.
20 I'M GOING TO HOW WE SEE THE INTEGRITY OF THE
21 REGULATIONS WE'VE ALREADY RECOMMENDED BECAUSE I THINK
22 YOU OPEN A CAN OF WORMS IF YOU DON'T PRETHINK THE
23 CIRCUMSTANCES THAT MIGHT WARRANT REOPENING BECAUSE
24 AFTER THAT EVERYTHING IS UP FOR GRABS THAT ANYBODY
25 DOESN'T LIKE. ALL THEY GOT TO DO IS CONVINCING US ONE

1 MORE TIME THAT WE SHOULD VOTE OR WAIT FOR THE RIGHT
2 NUMBER OF PEOPLE WHO ARE HERE WHEN WE HAVE A QUORUM TO
3 VOTE. SO IT'S THE INTEGRITY OF THE REGULATION ISSUE I
4 RAISE.

5 DR. ROWLEY: WELL, IT SEEMS TO ME IMPLICIT IN
6 WHAT WE'VE SAID IS THAT THESE ARE IN A SENSE
7 REGULATIONS THAT ARE GOING TO BE MODIFIED AS THE IMPACT
8 ON THE USERS, IF YOU WILL, BECOMES APPARENT. AND THE
9 NATIONAL ACADEMY HAS ISSUED SOME MODIFICATIONS AND
10 CLARIFICATION OF THEIR GUIDELINES IN LIGHT OF QUERIES
11 THAT HAVE COME FORWARD AND NEW INFORMATION. SO YOU'RE
12 RAISING A PERFECTLY VALID POINT, BUT IT ALSO SEEMS TO
13 ME THAT IF WE DISCUSS THIS AND DECIDE THAT, IN FACT,
14 THIS PARTICULAR ISSUE WILL GO WITH THE ORIGINAL
15 GUIDELINES AFTER DISCUSSION, FAIR ENOUGH. BUT I THINK
16 THAT TO SORT OF SAY WE'RE NOT GOING TO CONSIDER
17 SPECIFIC THINGS FOR RECONSIDERATION IS ALSO TOO RIGID.

18 MS. KING: I DIDN'T SUGGEST WE NOT
19 RECONSIDER. WHAT I SAID IS BEFORE WE START DOWN THE
20 RECONSIDERATION, THAT WE PRETHINK THE CIRCUMSTANCES
21 UNDER WHICH YOU WOULD RECONSIDER, AND WITHOUT RESPECT
22 TO ANY PROPOSAL ON THE TABLE. ONE, I WOULD SAY A
23 REGULATION IS NOT LIKE A GUIDELINE. LAWYERS THINK THAT
24 WAY. A REGULATION IS A MUCH MORE DIFFERENT PROCESS AND
25 IS NOT INTENDED TO BE -- MAYBE THAT'S A FLAW IN THE

1 SYSTEM -- TO BE RECONSIDERED. BUT I CAN THINK OF
2 REASONS THAT YOU WOULD WANT TO REDO YOUR REGULATIONS.

3 I'M ASKING FIRST THAT WE HAVE SOME
4 UNDERSTANDING ABOUT WHAT THOSE REASONS ARE AND WE HAVE
5 SOME UNDERSTANDING ABOUT THE EVIDENTIARY BASIS ON WHICH
6 WE WOULD RECONSIDER. THAT'S ALL I'M SAYING.

7 IT SHOULDN'T BE THAT -- WE NEED TO KNOW HOW
8 EXTENSIVELY THIS IS CAUSING A PROBLEM, FOR EXAMPLE.
9 THAT'S ONE WAY OF THINKING ABOUT THIS, THAT YOU CAN'T
10 PAY OR COMPENSATE A NONAFFILIATED PERSON. IF WE
11 STARTED GETTING EVIDENCE THAT SAID THIS IS A REAL
12 HANDICAP TO ACHIEVING A GOAL THAT WE SET OUT, THEN I
13 WOULD SAY, YES, WE SHOULD RECONSIDER IT. I JUST THINK
14 THAT WE'RE ASKING FOR RECONSIDERATION WITHOUT HAVING
15 THOUGHT THROUGH FIRST THOSE THINGS THAT WOULD JUSTIFY
16 RECONSIDERATION. THAT'S ALL I'M SAYING. I'M NOT
17 OPPOSED TO ANY PARTICULAR ITEM OR FOR IT, FOR THAT
18 MATTER.

19 DR. LOMAX: JUST ONE. THIS DID COME UP, AND
20 I THINK INSTITUTIONS DID INDICATE A SENSITIVITY THAT
21 KNOWING THAT THERE'S STABILITY. IT CAME UP IN SORT OF
22 A STABILITY. ONLY THOUGHT TO OFFER FROM THE
23 PERSPECTIVE OF HAVING KIND OF THOUGHT THROUGH THIS A
24 BIT IS JUST TO HIGHLIGHT PERHAPS A QUALITATIVE
25 DIFFERENCE BETWEEN THE TWO ITEMS THAT HAVE BEEN

1 DISCUSSED BY THE COMMITTEE.

2 THE JAPANESE EXAMPLE IS ONE WHERE I THINK
3 WE'RE SIMPLY APPLYING AN EXISTING STANDARD WHICH WE'VE
4 ESTABLISHED AS POLICY AND SORT OF BUILDING IT OUT AS
5 THE EVIDENCE EMERGED. WHEREAS, THE SECOND ONE IS SORT
6 OF MORE OF A POLICY CONSIDERATION. DOES THAT MAKE
7 SENSE? SO I JUST OFFER THAT, WHICH IS THE POINT YOU
8 ARE MAKING, HOW DO WE DISTINGUISH BETWEEN -- I
9 CERTAINLY THINK THAT IF WE HAVE A TEMPLATE IN THE CASE
10 OF THE JAPANESE LINES THAT WE'VE ALREADY APPLIED AND
11 IT'S JUST A QUESTION OF THAT TEMPLATE IS SORT OF THE
12 POLICY TEMPLATE WE'VE USED TO MAKE AN EVALUATION, AND
13 THAT IF WE CONTINUE TO APPLY THAT TEMPLATE, WE'RE NOT
14 DOING ANYTHING THAT WE HAVEN'T ALREADY DONE.

15 BUT THE SECOND QUESTION ABOUT THE
16 COMPENSATION OF MEMBERS CLEARLY FALLS MORE INTO A
17 POLICY CATEGORY. I OFFER THAT DISTINCTION PERHAPS AS
18 INFORMATIVE.

19 MS. KING: I AGREE. I THINK THAT'S A VERY
20 USEFUL DISTINCTION.

21 CHAIRMAN LO: I THINK PAT HAS RAISED A
22 QUESTION WHICH BEHOOVES US TO THINK A LITTLE BIT ABOUT.
23 I MEAN THERE CLEARLY ARE ISSUES WHICH WE SAID EITHER
24 MAYBE WE GOT IT WRONG OR THE SITUATION HAS CHANGED
25 ENOUGH IN SOME WAY THAT WHAT WE DECIDED IS NO LONGER

1 APPLICABLE. THERE ARE OTHER REASONS WHICH AN
2 INDIVIDUAL COULD SAY I DISAGREE WITH YOU. I WANT YOU
3 TO RECONSIDER AND MAYBE THIS TIME YOU WILL CHANGE YOUR
4 MIND. SO I THINK THERE IS A BALANCE BETWEEN SETTING
5 EXPECTATIONS THAT THE INSTITUTIONS, THAT PEOPLE BEING
6 REGULATED CAN ANTICIPATE, AND BEING FLEXIBLE FOR NEW
7 SITUATIONS OR RECONSIDERATION WHEN WE DIDN'T GET IT
8 RIGHT.

9 I THINK I'M NOT SURE -- I THINK IT WOULD BE
10 USEFUL TO TRY AND SPECIFY INDEPENDENTLY OF THE
11 INDIVIDUAL PROPOSALS WHAT ARE THE CRITERIA FOR
12 RECONSIDERING. GEOFF SUGGESTED HE CAN ACTUALLY -- SOME
13 OF THIS COULD BE EMPIRICALLY BASED. HE COULD ACTUALLY
14 ASK THE INSTITUTIONS IN CALIFORNIA HOW BIG A PROBLEM IS
15 THIS IN TERMS OF -- I MEAN I THINK WE SET AS A GOAL WE
16 REALLY WANT NONAFFILIATED PUBLIC MEMBERS TO PARTICIPATE
17 IN THIS REVIEW. AND IF, IN FACT, THAT'S NOT POSSIBLE
18 BECAUSE OF THIS COMPENSATION PROBLEM, IT STRIKES ME
19 THAT WOULD BE A NEW FACT THAT MEANS WE'RE NOT ACHIEVING
20 THE BROADER GOALS. AND WE CAN GET SOME EMPIRICAL DATA
21 ON THAT.

22 MS. KING: WE SHOULD BE VERY CAREFUL ABOUT
23 THIS BECAUSE IF YOU SURVEYED ME AND I REALLY THOUGHT
24 THAT MY LIFE WOULD BE EASIER IF I COULD PAY MY
25 UNAFFILIATED PERSON, THEN I'M CERTAINLY GOING TO

1 CONTRIBUTE TO YOUR EVIDENTIARY BASE. I THINK WE'RE
2 HEADED IN THE RIGHT DIRECTION WITH WHAT YOU ARE SAYING,
3 BERNIE, BUT THAT'S THE REASON WE SHOULD THINK CAREFULLY
4 ABOUT WHAT WE'RE DOING. OTHERWISE I THINK WE'RE
5 SUGGESTING THAT WE DIDN'T KNOW WHAT WE WERE DOING IN
6 THE FIRST PLACE, AND THAT IS SOMETHING THAT WE WANT TO
7 BE VERY CAREFUL ABOUT.

8 CHAIRMAN LO: OR THAT ANYTHING CAN BE CHANGED
9 IF PEOPLE JUST SORT OF RAISE IT.

10 MS. KING: I DO THINK A GOOD EMPIRICAL BASE,
11 NEW INFORMATION. JANET MENTIONED NEW INFORMATION.
12 WE'RE MOVING IN A FAST-MOVING AREA. SO NEW INFORMATION
13 THAT WAS NOT AVAILABLE TO US AT THE TIME WE MADE THE
14 DECISION IS AN OBVIOUS WAY TO THINK ABOUT WHAT WOULD
15 WARRANT A REVIEW OF WHAT WAS EFFECTED. THAT'S THE KIND
16 OF THING I WANT US TO THINK ABOUT.

17 DR. ROWLEY: WELL, I HAVE TO SAY, AT THE RISK
18 OF APPEARING TO BE LIKE JAMES THOMPSON, WHO WAS HEAD OF
19 THE FINANCIAL COMMITTEE AT THE *SUN TIMES* WHO ADMITTED
20 HE DIDN'T LOOK AT THE DOCUMENTS. I HAVE TO SAY THAT
21 NONCOMPENSATION FOR NONASSOCIATED PEOPLE COMES TO ME AS
22 A SURPRISE. AND I CERTAINLY DON'T REMEMBER EVER VOTING
23 FOR SUCH A THING, BUT IT ALSO COULD BE DISCUSSED AT A
24 MEETING I WASN'T AT. SO PEOPLE AROUND HERE ARE SAYING
25 IT WASN'T DISCUSSED, WHICH I'M SURE IS NOT SO. IT CAME

1 FROM SOMEWHERE. AND IT'S JUST SURPRISING TO ME THAT
2 FOR IRB MEMBERS, UNAFFILIATED PEOPLE ARE APPARENTLY
3 REIMBURSED, AND FOR ESCRO PEOPLE, YOU'RE NOT
4 REIMBURSED. I WOULD -- AS A HOSPITAL OR A UNIVERSITY
5 OR WHATEVER INSTITUTE, I WOULD FIND THAT A PRETTY
6 UNTENABLE SITUATION.

7 CHAIRMAN LO: ONE SCREEN WE COULD DO IS TO
8 SAY AS THESE ISSUES COME UP, GEOFF COULD EXTRACT FOR US
9 FROM THE RECORD, THERE'S AN EXTENSIVE RECORD, SORT OF
10 THE DELIBERATIONS WE'VE HAD ON THIS TOPIC. GEOFF HAS
11 DONE THAT IN THE PAST. IT'S ACTUALLY BEEN A REAL
12 EYE-OPENER TO ME AS TO HOW MUCH DEPTH WE'VE PUT INTO A
13 LOT OF THESE DISCUSSIONS. AND SO I THINK THEN THE
14 QUESTION IS IS THERE SOME VERY PERTINENT FACT THAT WAS
15 NOT AVAILABLE TO US AT THE TIME.

16 THE OTHER ARGUMENT IS IS THERE A REALLY
17 COMPELLING ARGUMENT THAT WE DIDN'T CONSIDER THAT'S NOW
18 BEING MADE AS OPPOSED TO YOU THOUGHT ABOUT THIS BEFORE,
19 BUT YOU KIND OF FACED THE WRONG WAY. THAT'S SORT OF A
20 HOLDING POLICY THAT BEFORE WE DECIDE, WE SHOULD GET
21 MORE INFORMATION FROM GEOFF.

22 DR. ROWLEY: ABSOLUTELY.

23 CHAIRMAN LO: ANY OTHER CRITERIA? ANY OTHER
24 CRITERIA PEOPLE WANT TO TOSS OUT FOR OUR CONSIDERATION,
25 OFFER FOR OUR CONSIDERATION? TOSS OUT IS A PEJORATIVE

1 TERM. PAT, YOU'VE THOUGHT ABOUT THIS A LOT AS A
2 POLICY.

3 MS. KING: I THOUGHT ABOUT THIS HERE.

4 DR. OLDEN: I THINK AN ORGANIZATION, THOUGH,
5 REALLY GETS ITS CREDIBILITY, EVEN IF IT HAS MADE A
6 MISTAKE, TO ACKNOWLEDGE IT PUBLICLY AND GO ON. EVEN IF
7 WE HAVE DEBATED THIS ISSUE, I WOULD AGREE WITH JANET,
8 AND MAYBE I WAS HERE. I THINK IT DOESN'T MAKE SENSE AS
9 I THINK ABOUT IT TODAY. EVEN IF I WAS HERE AND VOTED
10 FOR IT, I WOULD CHANGE MY MIND. SO I THINK THAT'S HOW
11 CREDIBILITY IS ACTUALLY GAINED BY PUBLIC ORGANIZATIONS
12 SUCH AS THIS. LET'S ADMIT THAT WE MADE A MISTAKE AND
13 LET'S READDRESS IT IF WE THINK SO IRRESPECTIVE OF
14 WHETHER THE DATA HAS CHANGED OR NOT.

15 CHAIRMAN LO: BEFORE WE DO THAT, I THINK IT
16 WOULD BE HELPFUL TO SAY LET'S LOOK AT THE REASON BY
17 WHICH WE --

18 DR. OLDEN: WELL, WE ARE GOING TO LOOK AT IT,
19 BUT I THINK CREDIBILITY, THOUGH, IS THE ISSUE HERE.

20 CHAIRMAN LO: WELL, YOU LOSE CREDIBILITY BY
21 NOT ADMITTING MISTAKES, AND YOU LOSE CREDIBILITY BY
22 REOPENING ISSUES THAT APPARENTLY WERE SETTLED. WE NEED
23 TO DO THIS RIGHT.

24 MR. TOCHER: BERNIE, IT SOUNDS LIKE FROM,
25 JUST THROWING THIS OUT, YOU'RE TALKING ABOUT SORT OF

1 THE CRITERIA WOULD BE CHANGED CIRCUMSTANCES. EITHER A
2 CIRCUMSTANCE THAT CHANGED FACTUALLY THAT MEANS THAT THE
3 DATA IS SHIFTING OR THERE'S NEW EXPERIENCE THAT
4 SUGGESTS THERE'S AN AREA YOU DIDN'T COVER THAT YOU
5 SHOULD COVER OR ADDRESS, OR A CHANGED CIRCUMSTANCE
6 BEING THAT THERE'S AN ERROR IN THE ASSUMPTION THAT
7 UNDERLIES SOME ASPECT OF THE REGULATION, THAT A CERTAIN
8 POLICY WAS NEEDED THAT'S NOT, OR, YOU KNOW, THAT IT
9 JUST REFLECTS SOME ERROR IN ASSUMPTION. WHEN YOU'RE
10 TALKING ABOUT APPEALS AND ENDLESS APPEALS IN A LEGAL
11 CONTEXT, YOU'RE NOT -- A GROUND IS NOT WE WANT TO
12 RELITIGATE IT. IT'S YOU HAVE TO SHOW THAT THERE WAS
13 SOME ERROR OR SOMETHING LIKE THAT, SOME FUNDAMENTAL
14 MISTAKE THAT NEEDS TO BE ADDRESSED AS OPPOSED TO
15 OPENING UP A POLICY DISCUSSION ALL OVER AGAIN JUST
16 BECAUSE YOU DISAGREE WITH THE CONCLUSION.

17 DR. TAYLOR: BASED ON THAT, IT WOULD SEEM TO
18 ME THAT WE'D HAVE TO HAVE EVIDENCE THAT PEOPLE CAN'T
19 SET UP THEIR SCRO'S BECAUSE THEY CAN'T BRING THESE
20 PEOPLE -- THEY CAN'T BRING OUTSIDE PEOPLE IN. I'M
21 ACTUALLY NOT AWARE THAT IRB'S COMPENSATE THEIR
22 COMMUNITY OR OUTSIDE OF THE INSTITUTION. THAT WOULD BE
23 NEW INFORMATION FOR ME IF THAT'S ACTUALLY THE CASE.
24 MAYBE THAT PRECEDENT EXISTS, BUT IT SEEMS TO ME I AGREE
25 THAT YOU HAVE TO HAVE SOME EVIDENCE THAT THIS IS A REAL

1 PROBLEM.

2 CHAIRMAN LO: LET ME TAKE THIS AS AN EXAMPLE
3 OF WHAT WE MIGHT REQUEST GEOFF DO. FIRST IS GO OVER
4 THE TRANSCRIPTS AND SORT OF RECONSTRUCT THE ARGUMENT.

5 SECOND, THERE'S SOME NEW FACTS THAT WERE
6 BROUGHT FORTH, AND ONE IS THAT IRB MEMBERS ARE PAID,
7 NONINSTITUTIONAL IRB MEMBERS. IS THAT WIDESPREAD? IS
8 THAT, IN FACT, THE CASE? IS THE ARGUMENT, THEN, THAT
9 WE DIDN'T CONSIDER THAT, AND IT'S UNFAIR TO TREAT ONE
10 SET OF COMMITTEE MEMBERS -- MEMBERS OF ONE COMMITTEE
11 DIFFERENTLY FROM ANOTHER COMMITTEE?

12 I THINK THERE'S A SET OF THINGS THAT WE COULD
13 TRY AND CONSTRUCT. THE REASONS WHY WE SHOULD
14 RECONSIDER WOULD, I THINK, GO BACK TO WE WEREN'T AWARE
15 OF THE FACT THAT IRB MEMBERS ARE FOR THE MOST PART
16 PAID, AND WE HADN'T CONSIDERED THE FACT -- THE ARGUMENT
17 THAT IT WOULD BE UNFAIR TO PAY THERE AND NOT PAY HERE.
18 AND ALSO THERE'S NO EVIDENCE THAT PAYING IRB MEMBERS
19 CORRUPTS THE INDEPENDENCE.

20 THERE'S A SET OF -- I THINK IF THERE ARE
21 ARGUMENTS LIKE THAT THAT CAN BE MADE OR THAT FROM THE
22 RECORD SHOW WE JUST DIDN'T THINK OF IT AND IT SOMEHOW
23 GOT IN THERE, THEN I THINK THERE WOULD BE MORE
24 PERSUASIVE GROUNDS FOR RELOOKING.

25 IF IT TURNS OUT WE'VE CONSIDERED THAT

1 ARGUMENT, IT TURNS OUT THAT WE DID DISCUSS THE FACT,
2 WELL, BUT YOU PAY IRB MEMBERS, AND IT WOULD BE UNFAIR.
3 AND SOMEONE SAID, WELL, YOU DON'T PAY. A LOT OF PEOPLE
4 CAN RECRUIT IRB MEMBERS, LIKE OUR INSTITUTION, WITHOUT
5 PAYING THEM MORE THAN OUT-OF-POCKET REIMBURSABLE
6 EXPENSES. THE ARGUMENT AT MY INSTITUTION NOW IS WHERE
7 CAN WE GET SOMEONE TO PAY FOR THE PARKING AS OPPOSED TO
8 PAYING THEM THE LOSS OF THEIR WAGES. THERE'S STUFF
9 THAT WE COULD GENERATE THAT WOULD FORM A REASON TO
10 RECONSIDER.

11 MR. SHEEHY: I THINK PAT MADE A REALLY GOOD
12 POINT, AND ACTUALLY I KIND OF REMEMBER THE DISCUSSION.
13 I REMEMBER ONE OF THE CRITERIA THAT WE WERE LOOKING AT.
14 WE JUST FOUND OURSELVES ON A SLIPPERY SLOPE. WE WERE
15 ASKING QUESTIONS ABOUT WHETHER OR NOT SOMEONE CAN BE A
16 PATIENT AT THE FACILITY OR RECEIVE MEDICAL CARE AT THE
17 FACILITY, IF THAT MAYBE RINGS SOME BELLS. THIS IS ONE,
18 ON REFLECTION, I THINK MAYBE WE OUGHT TO JUST MAYBE LET
19 IT REST UNLESS THERE'S SOME CONVINCING EVIDENCE THAT
20 PEOPLE ARE HAVING TROUBLE GETTING PEOPLE TO SERVE. I
21 SHARE FRANCISCO'S FRUSTRATION.

22 DR. PRIETO: I'M NOT HEARING YOU VERY WELL.

23 MR. SHEEHY: I'M JUST SAYING THAT I SHARE
24 YOUR FRUSTRATION AT THE BURDENS THAT ARE IMPOSED ON
25 PEOPLE FOR SERVICE WHEN THEY'RE NOT COMPENSATED. BUT I

1 DO REMEMBER THIS DISCUSSION, AND I REALLY THINK THAT WE
2 WERE FAIRLY EXHAUSTIVE ON IT AND REALLY PREFER THAT WE
3 DEAL WITH NEW ISSUES. I THINK PAT IS RIGHT. WE NEED
4 TO LET THESE STAND AND HAVE A STRONGER EVIDENCE BASE
5 BEFORE WE PROCEED FORWARD BECAUSE THIS WAS --
6 COMPENSATION WAS JUST ONE OF MANY CRITERIA THAT WE WERE
7 USING TO ENSURE THAT THE OUTSIDE PARTICIPANTS ON THESE
8 SCRO'S WERE PROPERLY INSULATED FROM INFLUENCE FROM THE
9 INSTITUTIONS.

10 CHAIRMAN LO: IT SOUNDS LIKE WE NEED TO
11 UNDERSTAND THE RECORD AND THE DELIBERATIONS THAT GOT US
12 HERE. THAT WOULD BE USEFUL TO DO. I THINK IT'S
13 CERTAINLY VERY GOOD FOR US TO SAY WE NEED TO MAKE
14 SURE -- WE NEED TO SEE HOW WE THOUGHT ABOUT IT TO CHECK
15 IT AND MAKE SURE WE DID IT RIGHT.

16 DR. ROWLEY: THIS, OF COURSE, BRINGS UP A
17 POINT THAT, IN FACT, I GUESS I AS A MEMBER WASN'T
18 NECESSARILY THINKING ABOUT AT THE TIME, BUT THIS
19 IMPLIES THAT WE'RE AN ONGOING GROUP.

20 MS. KING: DON'T WE HAVE TERMS? DON'T WE
21 HAVE TERMS? WE HAVE TERMS BECAUSE I CHECKED THAT OUT.
22 I HAVE LEARNED THAT. I KNOW WE HAVE TERMS.

23 CHAIRMAN LO: YOU HAVE THE 50-YEAR TERM.

24 MS. KING: NO, I DON'T. I CAN'T REMEMBER
25 WHEN MINE IS UP, BUT I DID ASK THE QUESTION.

1 DR. LOMAX: I WOULD NEED TO REFER TO
2 DOCUMENTATION AND PROPOSITION 71, BUT PROPOSITION 71
3 DOES ACTUALLY SPECIFY TERMS OF WORKING GROUP MEMBERS,
4 AND THERE IS A CYCLE OF TURNOVER CONTEMPLATED FOR THIS
5 WORKING GROUP.

6 CHAIRMAN LO: LET ME SEE IF I CAN -- THERE
7 ARE ISSUES WHERE WE'RE GOING TO ASK GEOFF TO GO BACK
8 AND MAKE A RECORD OF THE DELIBERATIONS AND JUST REFRESH
9 OUR MEMORY. I THINK THAT SHOULD BE A RELATIVELY LOW
10 HURDLE, JUST SORT OF PROVIDING INFORMATION. SO I WOULD
11 SUGGEST THAT ON ALL THE ISSUES I RAISED WE CERTAINLY
12 ASK GEOFF TO DO THAT.

13 ON THE ISSUE OF DEEMING IN LINES FROM JAPAN,
14 IT SOUNDS LIKE WE WANT HIM ACTUALLY TO DO MORE THAN
15 THAT AND TO PREPARE A POLICY BRIEFING MEMO ON WHETHER
16 WE SHOULD PROPOSE AN AMENDMENT TO THE REGULATIONS TO
17 ALLOW THOSE LINES TO BE DEEMED LIKE THE UK LINES ARE.

18 I THINK FOR THE EMBRYOS CREATED FOR
19 REPRODUCTIVE PURPOSES, THE GAMETE DONOR THAT DIDN'T
20 EXPLICITLY CONSENT AND THE COMPENSATION FOR
21 NONAFFILIATED MEMBERS, WE SHOULD PROBABLY AT THE FIRST
22 THING JUST ASK HIM TO SUMMARIZE THE DELIBERATIONS WE
23 HAD. WE CAN CIRCULATE THAT, AND BASED ON THAT, WE CAN
24 SAY, "WELL, NO. THERE'S STUFF THAT WE DIDN'T CONSIDER.
25 THERE ARE NEW FACTS," AND BASE OUR DECISION TO

1 RECONSIDER ON THAT.

2 TRYING TO ARTICULATE WHEN WE DO SO, WHAT ARE
3 THE REASONS FOR DOING THAT INDEPENDENT OF HOW I MIGHT
4 PERSONALLY FEEL ABOUT THE ISSUE. IT'S NOT ENOUGH THAT
5 I DISAGREE, BUT THERE'S SOMETHING ABOUT THE PROCESS BY
6 WHICH WE MADE THAT DECISION THAT WE THINK NOW THE
7 CIRCUMSTANCES HAVE CHANGED. I THINK THAT WOULD BE
8 USEFUL TO DO.

9 AND THEN I GUESS FOR THE CHIMERAS. LET ME
10 JUST STOP THERE AND SAY IS THAT ACCEPTABLE TO FOLKS IN
11 TERMS OF THESE CONSIDERATIONS WHERE WE'VE THOUGHT ABOUT
12 THEM BEFORE, BUT THERE'S SOME SENSE THAT MAYBE WE NEED
13 TO RECONSIDER? LET'S SEE WHAT WE THOUGHT BEFORE AND
14 THEN DECIDE, AND WE CAN CIRCULATE THAT ELECTRONICALLY
15 AND HAVE A CONFERENCE CALL IF NEED BE. IS THAT THE
16 SENSE OF THE COMMITTEE?

17 AND THEN, ANN, I BELIEVE IT WAS YOU WHO
18 RAISED THE ISSUE OF IF WE'RE GOING TO BE GETTING GRANTS
19 THAT INVOLVE CHIMERA RESEARCH IN A LIMITED SENSE, AND
20 WE WANT TO MAKE SURE THAT CIRM IS ON TOP OF ETHICAL
21 CONCERNS ABOUT THAT RESEARCH, SHOULD WE BE KIND OF
22 EDUCATING OURSELVES AT THE VERY LEAST ABOUT THE CURRENT
23 THINKING ON THAT? AND THERE IS A LOT IN PROGRESS ON
24 THAT. ASK GEOFF TO SORT OF BRING THAT TOGETHER AS AN
25 EDUCATIONAL -- FIRST, AS AN EDUCATIONAL ACTIVITY FOR

1 US, BUT WITH A VIEW TO DOWN THE ROAD IS THE QUESTION OF
2 SHOULD WE HAVE A POLICY ON THAT, WHICH WOULD MEAN AN
3 AMENDMENT TO REGULATIONS?

4 DR. KIESSLING: WE ACTUALLY TOUCHED ON THAT
5 LAST YEAR. I KNOW WE HAD A LITTLE COMMITTEE OF TED
6 PETERS AND JEFF KORDOWER AND I BECAUSE WE TALKED ABOUT
7 THIS. YOU'RE GOING TO BE GETTING SOME APPLICATIONS
8 THAT RELATE TO THAT, AND SOME OF THEM ARE NOT GOING TO
9 BE AN ISSUE AND SOME OF THEM ARE GOING TO BE REALLY
10 TOUCHY. RATHER THAN HAVE TO BE REACTIONARY AT THE
11 TIME, IT'S PROBABLY A GOOD IDEA TO JUST SAY, WELL,
12 THESE ARE GOING TO BE, AND THIS IS WHAT YOU DO. IT
13 MIGHT BE JUST AS SIMPLE AS NOT BREEDING THE ANIMAL,
14 WHICH ARE THE NAS GUIDELINES, BUT IT WOULD BE USEFUL, I
15 THINK, IF IT WERE AN UP-FRONT PREDISCUSSION RATHER THAN
16 A --

17 CHAIRMAN LO: AGAIN --

18 DR. KIESSLING: -- BRUSH FIRE.

19 CHAIRMAN LO: AGAIN, JANET, CORRECT ME IF I'M
20 WRONG, BUT THE NAS GUIDELINES DISTINGUISH SORT OF WHAT
21 ARE YOU GOING TO DO -- IF THEY'RE GOING INTO A
22 BLASTOCYST, THAT'S OF MORE CONCERN THAN PUTTING THEM
23 INTO AN ADULT ANIMAL AS OPPOSED TO DEVELOPING AN ANIMAL
24 AND CERTAIN ORGAN SYSTEMS.

25 DR. ROWLEY: THE BRAIN.

1 CHAIRMAN LO: RIGHT. SO I THINK THERE IS
2 SOME SENSE THAT THESE ARE MORE SENSITIVE, BUT I LIKE
3 ANN'S SUGGESTION THAT WE OUGHT TO BE PROACTIVE AND
4 ANTICIPATORY.

5 DR. ROWLEY: I THINK THAT ONE COULD BROADEN
6 THIS A LITTLE BIT ON TRYING TO BE -- AVOID BEING
7 CATCHING UP ALL THE TIME. THE NAS IN THEIR GUIDELINES
8 OF WHAT ESCRO'S SHOULD BE PAYING SPECIFIC ATTENTION TO
9 AND HOW THEY MIGHT -- WHAT THE PARAMETERS OR THE
10 CONSTRAINTS WOULD BE, AND I DON'T REMEMBER RIGHT NOW
11 WHAT THE NAS GUIDELINES WERE FOR ESCRO'S, BUT THEY
12 CERTAINLY DID SPELL OUT THOSE THINGS THAT THE ESCRO'S
13 SHOULD BE PAYING PARTICULAR ATTENTION TO. ONE MIGHT
14 SAY WHAT GRANTS ARE COMING WITHIN THOSE GUIDELINES THAT
15 THE NAS AT THE TIME, REALIZING THAT THIS WAS SEVERAL
16 YEARS AGO, WHAT THINGS CAME FORWARD THAT THE ESCRO
17 SHOULD PAY PARTICULAR ATTENTION TO AND WHAT CATEGORIES
18 OF CALIFORNIA GRANTS ARE COMING THROUGH IN THOSE
19 CATEGORIES AND GRANTS ELSEWHERE THAT WE SHOULD AT LEAST
20 BE AWARE OF AND BEGIN TO SEE IF WE AGREE WITH THE NAS
21 RESTRICTIONS, OR DO WE NEED TO DO SOMETHING DIFFERENT
22 BASED ON WHAT'S HAPPENED IN THE LAST COUPLE OF YEARS?

23 DR. KIESSLING: I THINK THAT'S SORT OF THE
24 BASIS FOR THIS INTERSTATE MEETING THAT YOU ARE
25 PLANNING, ISN'T IT, GEOFF, THIS KIND OF TRYING TO STAY

1 AHEAD OF THE TIDE?

2 DR. LOMAX: YES. IF I'M RECALLING THE AGENDA
3 PROPERLY, I THINK THE CHIMERA ISSUE HAS BEEN SORT OF
4 CALLED OUT AS ONE THAT PEOPLE ARE GETTING THEIR HEAD
5 AROUND. BUT I WOULD, JUST TO REPRESENT THE MEETING
6 ACCURATELY, I THINK IT'S STILL AT A STAGE WHERE OUR
7 EXPERIENCE IS FAR MORE FURTHER OUT, I THINK, THAN MOST
8 OF THE OTHER PARTICIPANTS. SO I THINK THE LEVEL OF
9 DISCUSSION IS REALLY STILL GETTING FOLKS ONTO THE
10 SAME -- UP TO THE SAME LEVEL AND NOT SORT OF PUSHING
11 FORWARD, ALTHOUGH WITH THE NAS AS PARTICIPANTS,
12 CERTAINLY THERE'S THINKING THERE. ALTA IS INVOLVED.

13 SO CERTAINLY THE THINKING IS THERE, BUT I
14 THINK IN THE NEAR TERM, IT'S REALLY GETTING PEOPLE UP
15 TO THE SAME LEVEL IN TERMS OF THEIR UNDERSTANDING OF
16 THESE ISSUES.

17 CHAIRMAN LO: ANOTHER THING WE COULD DO,
18 WHICH I THINK BOTH JANET AND ANN ALLUDED TO, IS THAT
19 THE SCIENCE IS MOVING SO QUICKLY, THAT WE SHOULD SEE
20 ARE THERE THINGS THAT WEREN'T REALLY THOUGHT OF A YEAR
21 OR TWO AGO THAT NOW ARE BEING TALKED ABOUT THAT NEED TO
22 BE EVALUATED IN TERMS OF CHIMERAS OR CYCLOIDS OR
23 WHATEVER.

24 DR. ROWLEY: RIGHT. BECAUSE IT'S
25 INTERESTING, AGAIN, COMING BACK TO THE JAPANESE

1 GUIDELINES, IT SEEMS TO ME, AND I READ A NUMBER OF
2 THINGS AND I COULD BE MIXING THEM UP, BUT NO USE OF ES
3 CELLS TO MAKE GERM CELLS. NOW, IT'S MY IMPRESSION THAT
4 GEORGE DALY AND PROBABLY OTHERS ARE, IN FACT, ACTIVELY
5 TRYING TO DO THAT. AND WE ALL AGREE IF YOU COULD GET
6 GERM CELLS FROM ES CELLS, A LOT OF THE PROBLEM THAT WE
7 DISCUSSED ABOUT DONORS WOULD DISAPPEAR. SO, A, IN YOUR
8 COMPARISON OF THE GUIDELINES FROM JAPAN AND U.S.
9 GUIDELINES, YOU'RE GOING TO COMPARE AND SEE WHAT THE
10 DIFFERENCES ARE. BUT THE ISSUES OF USING ES CELLS TO
11 MAKE GERM CELLS MIGHT BE A SPECIFIC ISSUE ON WHICH WE
12 WOULD LIKE SOME CURRENT INFORMATION AS WELL AS WHAT ARE
13 THE ETHICAL ISSUES SURROUNDING THAT.

14 DR. LOMAX: JUST TO CLARIFY ONE ITEM. THESE
15 ANALYSES, FOR THE SAKE OF SORT OF BREVITY AND CLARITY,
16 I'VE GENERALLY TRIED TO CALL OUT ANY ISSUES WHERE THERE
17 MAY BE A -- WHERE WE HAVE SET A BAR AND THAT THE UNIT
18 OF ANALYSIS, IN THIS CASE THE JAPANESE REGULATIONS, THE
19 EXAMPLE YOU HELD FURTHER THAT DIFFERS BY TWO DAYS, I
20 HAVE GENERALLY REFRAINED FROM A KIND OF COMPREHENSIVE.
21 I THINK, IN PART, THAT'S WHY WE TRIED TO PROVIDE YOU
22 WITH THE REGULATIONS FOR THAT BENEFIT, SO I TRY TO
23 LIMIT MY ROLE TO ISSUES OF WHERE REGULATORY CONSISTENCY
24 IS GERMANE TO SORT OF THE POLICY AND NOT ANY SORT OF
25 COMPREHENSIVE REVIEW, IF THAT MAKES SENSE.

1 I WOULD HOPE TO SORT OF CONTINUE ALONG THOSE
2 LINES IN THIS CAPACITY. OTHERWISE THE DETAIL AND MY
3 COMPETENCE IN THE ANALYSES DIMINISHES.

4 CHAIRMAN LO: WE'VE GIVEN GEOFF, WHO'S BEEN
5 OUR STALWART HERE, A LOT OF ADDITIONAL THINGS TO DO,
6 BUT INTERESTING AND IMPORTANT THINGS. ARE THERE OTHER
7 ISSUES PEOPLE WANT TO BRING UP? ARE THERE OTHER ISSUES
8 WE NEED TO DISCUSS? IS THERE ANY PUBLIC COMMENT ON
9 WHAT WE'VE JUST BEEN TALKING ABOUT WITH REGARD TO
10 RECONSIDERING CRITERIA FOR RECONSIDERING PROVISIONS?
11 IF NOT, I WOULD BE GLAD TO ENTERTAIN A MOTION TO
12 ADJOURN.

13 MS. KING: SO MOVED.

14 CHAIRMAN LO: ALL IN FAVOR. THANK YOU VERY
15 MUCH FOR COMING. YOU ARE INVITED TO A LUNCHEON IN THE
16 ADJACENT ROOM. THANKS TO GEOFF AND THE STAFF FOR
17 MAKING THE ARRANGEMENTS AND THE BACKGROUND WORK THAT'S
18 SO IMPORTANT. THANK YOU.

19 (THE MEETING WAS THEN ADJOURNED AT 12:19
20 P.M.)

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22
23
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25

REPORTER'S CERTIFICATE

I, BETH C. DRAIN, A CERTIFIED SHORTHAND REPORTER IN AND FOR THE STATE OF CALIFORNIA, HEREBY CERTIFY THAT THE FOREGOING TRANSCRIPT OF THE PROCEEDINGS BEFORE THE SCIENTIFIC AND MEDICAL ACCOUNTABILITY STANDARDS WORKING GROUP OF THE INDEPENDENT CITIZEN'S OVERSIGHT COMMITTEE OF THE CALIFORNIA INSTITUTE FOR REGENERATIVE MEDICINE IN THE MATTER OF ITS REGULAR MEETING HELD AT THE LOCATION INDICATED BELOW

MIYAKO HOTEL
1625 POST STREET
SAN FRANCISCO, CALIFORNIA
ON
MAY 10, 2007

WAS HELD AS HEREIN APPEARS AND THAT THIS IS THE ORIGINAL TRANSCRIPT THEREOF AND THAT THE STATEMENTS THAT APPEAR IN THIS TRANSCRIPT WERE REPORTED STENOGRAPHICALLY BY ME AND TRANSCRIBED BY ME. I ALSO CERTIFY THAT THIS TRANSCRIPT IS A TRUE AND ACCURATE RECORD OF THE PROCEEDING.

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