

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: AS INDICATED ON THE AGENDA

DATE: FRIDAY, JUNE 10, 2011
10:30 A.M.

REPORTER: BETH C. DRAIN, CSR
CSR. NO. 7152

BRS FILE NO.: 90238

BARRISTERS' REPORTING SERVICE

I N D E X

ITEM DESCRIPTION NO.	PAGE
CALL TO ORDER	3
ROLL CALL	3
3. UPDATE ON SUMMARY REPORT ON CELL REPOSITORIES FROM SWG 2011 ANNUAL MEETING	4
4. CONSIDERATION OF RESOLUTION ON U. S. CLINICAL TRIALS	9
5. PUBLIC COMMENT	NONE

BARRISTERS' REPORTING SERVICE

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

FRI DAY, JUNE 10, 2011

10: 30 A. M.

DR. LOMAX: TIM KAMP. NOT YET. KEN
PETERS.

DR. PETERS: HERE.

DR. LOMAX: SHERRY LANSING.

MS. LANSING: HERE.

DR. LOMAX: ROBERT TAYLOR. MAYBE WE
DROPPED ROBERT. WE HAD ROBERT. WE'VE DROPPED HIM.
WE'LL HEAR HIM COME BACK ON, I HOPE.

DR. TAYLOR: I'M HERE.

DR. LOMAX: MARCY FEIT, YOU'RE WITH US?

MS. FEIT: YES.

DR. LOMAX: JOHN WAGNER. STILL WAITING ON
JOHN. DOROTHY ROBERTS.

DR. ROBERTS: HERE.

DR. LOMAX: BERNARD LO.

CHAIRMAN LO: HERE.

DR. LOMAX: ANN KIESSLING. JEFF SHEEHY.

MR. SHEEHY: HERE.

DR. LOMAX: SO WE MAY GET A COUPLE OTHER
FOLKS JOINING US. IS THERE ANYONE I MISSED WHO'S ON
THE LINE?

CHAIRMAN LO: HERE IN SAN FRANCISCO WE

BARRISTERS' REPORTING SERVICE

1 HAVE JEFF, ELLEN FEIGAL, PAT OLSON, PAT BECKER.

2 DR. LOMAX: AND WHAT I WANTED TO DO IS
3 START WITH AN UPDATE, AND THAT WILL GIVE TIME FOR
4 SOME OF THE OTHER MEMBERS TO JOIN US. SO WELCOME,
5 EVERYONE. THANK YOU FOR TAKING TIME OUT OF YOUR
6 DAY.

7 I DID WANT TO UPDATE YOU ON THE PROGRESS
8 FROM THE LAST MEETING. I'VE BEEN WORKING WITH DR.
9 LO TO COMPLETE OUR REPORT FROM THE APRIL 29TH
10 MEETING ON CELL REPOSITORIES. AND WE DO INTEND TO
11 CIRCULATE A DOCUMENT TO YOU THAT WE REQUEST THAT YOU
12 REVIEW FOR ACCURACY. THE REPORT WILL INCLUDE THE
13 FOLLOW-UP RESEARCH THAT STAFF WAS DIRECTED TO
14 PERFORM. AND AS YOU MAY RECALL, WE WERE ASKED TO
15 LOOK AT FACTORS RELATING TO PATIENT'S DECISIONS TO
16 DONATE BIOLOGICAL SPECIMENS FOR RESEARCH,
17 PREFERENCES FOR RESEARCH PARTICIPANTS REGARDING
18 COMMUNICATION OF RESULTS, AND GUIDELINES FOR
19 COMMUNICATION OF SCIENTIFICALLY VALID AND CLINICALLY
20 SIGNIFICANT FINDINGS.

21 WE WERE ABLE TO TRACK DOWN A FAIRLY
22 EXTENSIVE SET OF LITERATURE ON THESE TOPICS. AND
23 I'D ALSO LIKE TO --

24 WHO JUST JOINED US?

25 DR. PRIETO: HI. THIS IS FRANCISCO

BARRISTERS' REPORTING SERVICE

1 PRIETO.

2 DR. LOMAX: WELCOME. WE'RE JUST GIVING
3 FOLKS AN UPDATE ON THE STATUS OF THE REPORT.

4 I BELIEVE THE REPORT WILL INCLUDE A NUMBER
5 OF VERY PRACTICAL RECOMMENDATIONS TO SUPPORT A
6 HIGHLY CONSTRUCTIVE CIRM ROLE IN THE DEVELOPMENT OF
7 IPS REPOSITORIES. AND I ALSO THINK IT WILL MAKE A
8 MEANINGFUL CONTRIBUTION TO THE OVERALL LITERATURE ON
9 THIS TOPIC.

10 BERNIE, I DON'T KNOW IF YOU'D LIKE TO ADD
11 ANYTHING.

12 CHAIRMAN LO: I JUST WANT TO THANK GEOFF.
13 HE'S REALLY DONE A LOT OF BACKGROUND RESEARCH AND
14 WRITING PARTICULARLY ON THE ISSUES THAT WE ASKED HIM
15 TO DO. AND SOMETIME MAYBE NEXT WEEK HE WILL HAVE A
16 DRAFT THAT WE WILL CIRCULATE, AND WE'LL CALL ON THE
17 SWG JUST TO MAKE SURE IT'S ACCURATE AND REFLECTS THE
18 CHANGES. BUT GEOFF WENT BACK AND ACTUALLY LOOKED AT
19 THE TRANSCRIPTS OF THE DISCUSSION AND HAS REALLY
20 DONE A LOT TO SORT OF PUT THIS TOGETHER.

21 MS. LANSING: I ALSO WANT TO THANK YOU,
22 GEOFF. YOU'RE JUST AMAZING IN ALL WAYS.

23 DR. LOMAX: I DO HAVE TO ACKNOWLEDGE DR.
24 FEIGAL'S CONTRIBUTION HERE. SHE'S BEEN A TREMENDOUS
25 HELP IN TERMS OF HELPING GET THIS EDITED AND TURNED

BARRISTERS' REPORTING SERVICE

1 AROUND VERY QUICKLY. SO THANK YOU.

2 OKAY. I BELIEVE -- DID WE HAVE SOMEONE
3 ELSE JUST JOIN THE CALL JUST FOR THE PURPOSES OF
4 ROLL?

5 DR. KAMP: YES. THIS IS TIM KAMP FROM THE
6 UNIVERSITY OF WISCONSIN.

7 DR. LOMAX: WELCOME, TIM. GREAT.

8 CHAIRMAN LO: DID SOMEONE ELSE JUST JOIN?

9 DR. WAGNER: THIS IS JOHN WAGNER FINALLY.

10 CHAIRMAN LO: OH, JOHN, WELCOME.

11 SO LET ME JUST GIVE YOU THE BACKGROUND AND
12 SORT OF SET THE STAGE FOR WHAT WE'RE TRYING TO DO
13 TODAY. SO AS WE KNOW, PROP 71 ENJOINS THE SWG TO
14 MAKE RECOMMENDATIONS TO THE ICOC FOR STANDARDS WITH
15 REGARD TO CLINICAL TRIALS. AND IN MAY THE ICOC
16 APPROVED AN AWARD TO SUPPORT THE FIRST FDA-APPROVED
17 CLINICAL TRIAL BASED ON CELLS DERIVED FROM EMBRYONIC
18 STEM CELLS. AND PRIOR TO ACTIVATING THE AWARD, THE
19 ICOC HAS ASKED THE SWG TO CONSIDER REGULATORY,
20 STATUTORY, ETHICAL OVERSIGHT OF THESE FDA-APPROVED
21 CLINICAL TRIALS. SO WE'RE ASKED TO PROVIDE
22 GUIDANCE.

23 AND GEOFF AND ELLEN AND I AND OTHERS AT
24 CIRM HAVE DRAFTED A RESOLUTION THAT WE SENT AROUND
25 TO BRING TOGETHER THE STATUTORY, REGULATORY

BARRISTERS' REPORTING SERVICE

1 REQUIREMENTS WITH REGARD TO SAFETY OF THERAPIES,
2 PROTOCOL REVIEW, OVERSIGHT, MONITORING, AND SO
3 FORTH.

4 IN ADDITION, WE WANTED TO DRAW IN CIRM'S
5 REQUIREMENTS RELATING TO REPORTING OF ACCESS TO
6 THERAPIES.

7 I JUST WANT TO TAKE A MINUTE TO SORT OF
8 PUT THIS IN THE CONTEXT OF ALL THE OTHER THINGS
9 WE'VE DONE IN THE SWG. FIRST, I HAVE TO SAY
10 OBVIOUSLY EVERYONE IS EXCITED ABOUT THE PROSPECT OF
11 A CLINICAL TRIAL DERIVED USING DERIVATIVES OF
12 EMBRYONIC STEM CELLS BECAUSE ACTUAL THERAPIES, NEW
13 THERAPIES, FOR CONDITIONS WHERE THERE ARE NO GOOD
14 THERAPIES NOW HAS REALLY BEEN ONE OF THE LONG-TERM
15 GOALS OF CIRM AND OF THE WHOLE FIELD OF STEM CELL
16 RESEARCH.

17 AND SWG HAS BEEN INVOLVED FROM THE ONSET
18 IN MAKING SURE PATH-BREAKING RESEARCH MEETS HIGH
19 ETHICAL STANDARDS. WHAT WE'RE BEING ASKED TO DO
20 TODAY, JUST TO BE CLEAR, IS WE'RE NOT BEING ASKED TO
21 SORT OF RECOMMEND REGULATIONS. WE'RE REALLY BEING
22 ASKED TO PROVIDE MUCH HIGHER LEVEL OR PERHAPS, I
23 SHOULD SAY, BROADER GUIDANCE TO CIRM, PARTICULARLY
24 CIRM STAFF, WHO WILL BE WRITING GRANTS MANAGEMENT,
25 HANDLING THE GRANTS MANAGEMENT.

BARRISTERS' REPORTING SERVICE

1 AND I WANTED TO JUST SORT OF REMIND US OF
2 HOW WE'VE APPROACHED OUR TASK OVER THE YEARS. AND I
3 THINK IT'S FAIR TO SAY THERE'S A NUMBER OF RULES OF
4 THUMB THAT WE'VE SORT OF DRAWN ON OVER THE YEARS.
5 THE FIRST IS THAT WE WANTED CIRM STANDARDS TO BE
6 CONSISTENT WITH FDA STANDARDS, COMMON RULE
7 STANDARDS, NATIONAL ACADEMY OF SCIENCE STANDARDS,
8 PRECLINICAL PRACTICE STANDARDS. THERE ARE TIMES
9 WHERE WE'VE GONE BEYOND THOSE STANDARDS, BUT WE'VE
10 ALWAYS BEEN MINDFUL THAT OUR GRANTEES HAVE TO BE
11 ABLE TO FULFILL BOTH OUR STANDARDS AND ALL THE OTHER
12 STANDARDS THAT THEY'RE LIABLE FOR. SO WE DON'T WANT
13 TO TRY AND SAY SOMETHING THAT'S CONTRADICTIONARY TO
14 WHAT FDA REQUIRES OR THE COMMON RULE REQUIRES OR GCP
15 STANDARDS REQUIRE.

16 OUR SECOND SORT OF RULE OF THUMB HAS BEEN
17 WE'VE BEEN VERY MINDFUL THAT THE SCIENCE IS MOVING.
18 IT'S ADVANCING VERY QUICKLY. AND WE DON'T WANT TO
19 BE OVERLY PRESCRIPTIVE, OVERLY SPECIFIC IN WAYS THAT
20 LOCK US INTO THINGS THAT BECOME OBSOLETE AS PROGRESS
21 CHANGES.

22 AND WE FINALLY ALSO WANTED TO BE FLEXIBLE
23 IN THAT AS WE ENTER INTO A NEW TYPE OF RESEARCH SUCH
24 AS CLINICAL TRIALS, WE WANT TO APPRECIATE THAT
25 THINGS WILL EMERGE IN THE COURSE OF THE TRIAL OR

BARRISTERS' REPORTING SERVICE

1 AFTER THE FIRST OR SECOND TRIAL THAT WE NEED TO BE
2 MINDFUL OF AND BE READY TO MODIFY OUR STANDARDS IF
3 WE NEED TO. I THINK WE'VE ALWAYS BEEN OPEN TO
4 RECONSIDERING OUR IDEAS IN LIGHT OF NEW
5 DEVELOPMENTS.

6 I JUST WANTED TO SAY THAT AS SORT OF A
7 FRAMEWORK FOR THIS DISCUSSION. SHERRY, I DON'T KNOW
8 IF YOU WANTED TO ADD ANYTHING AT THIS POINT.

9 MS. LANSING: NOT REALLY, JUST TO SECOND
10 THAT WE'VE ALWAYS TRIED TO BE CONSISTENT. SOMETIMES
11 WE'VE ACTUALLY BEEN MORE CONSERVATIVE; BUT WHAT
12 WE'VE ALWAYS SAID, YOU KNOW, WHICH I SAID A HUNDRED
13 TIMES, THIS IS A WORK IN PROGRESS THAT WE CHANGE AS
14 THE SCIENCE PROGRESSES. AND NOW WE'RE AT THE
15 CLINICAL TRIALS PHASE, SO I THINK THIS IS A PERFECT
16 EXAMPLE WHERE WE'RE TRYING TO ADAPT TO WHAT'S GOING
17 ON.

18 CHAIRMAN LO: OKAY. SO I WANT TO THEN ASK
19 GEOFF TO SORT OF GIVE US SOME MORE SPECIFIC CONTEXT
20 FOR THIS RESOLUTION.

21 DR. LOMAX: THANK YOU, BERNIE. AND THANK
22 YOU, SHERRY, FOR THAT INTRODUCTION.

23 WHAT I DID WANT TO DO IS TOUCH ON THE FACT
24 THAT THE STANDARDS WORKING GROUP DOES, IN FACT, HAVE
25 A HISTORY OF DIRECT AND INDIRECT INVOLVEMENT IN THE

BARRISTERS' REPORTING SERVICE

1 DEVELOPMENT OF CIRM POLICIES GOVERNING THE CONDUCT
2 OF INSTITUTE-SPONSORED TRIALS. AND I REALIZE THAT A
3 NUMBER OF THE MEMBERS, WE'VE HAD SOME TURNOVER, AND
4 SO SOME OF YOU ALL MAY NOT BE KIND OF AWARE OF SOME
5 OF THOSE EFFORTS. SO I'D LIKE TO RECAP SOME OF
6 THOSE EFFORTS.

7 SO, FOR EXAMPLE, IN 2005 THE STANDARDS
8 WORKING GROUP INCORPORATED THE CALIFORNIA INCLUSION
9 OF WOMEN AND MINORITIES IN CLINICAL RESEARCH ACT
10 INTO THE REGULATIONS. THE CALIFORNIA ACT IS MODELED
11 AFTER THE NIH POLICY, AND IT'S DESIGNED TO PREVENT
12 DISCRIMINATORY PRACTICES IN CLINICAL RESEARCH. AND
13 AGAIN, THIS WAS DIRECTLY INCORPORATED INTO THE
14 MEDICAL AND ETHICAL STANDARDS REGULATIONS WHICH WAS
15 SUBSEQUENTLY APPROVED BY THE GOVERNING BOARD.

16 DURING THE SAME PERIOD, THE STANDARDS
17 WORKING GROUP COMMENTED ON CIRM'S INTELLECTUAL
18 PROPERTY POLICY, WHICH WAS BEING DEVELOPED BY A TASK
19 FORCE IN PARALLEL WITH THE DEVELOPMENT OF OUR
20 REGULATIONS, THE MEDICAL AND ETHICAL STANDARDS
21 REGULATIONS. AND THE STANDARDS WORKING GROUP VOICED
22 ITS SUPPORT FOR THE PROVISION REQUIRING ACCESS PLANS
23 DESIGNED TO PROVIDE THERAPIES TO UNINSURED
24 CALIFORNIANS. AND THOSE PROVISIONS HAVE NOW BECOME
25 LAW AND INCORPORATED AS PART OF OUR INTELLECTUAL

BARRISTERS' REPORTING SERVICE

1 PROPERTY POLICY.

2 IN ADDITION TO THE SPECIFIC REGULATORY
3 ACTIONS, CIRM HAS TAKEN STEPS TO ADDRESS THE ETHICAL
4 CONSIDERATIONS IN ITS RESEARCH PROGRAM. SO, FOR
5 EXAMPLE, CIRM STAFF WORKED WITH THE CHAIRS OF THE
6 STANDARDS WORKING GROUP TO IDENTIFY CANDIDATES WITH
7 CLINICAL ETHICS EXPERTISE TO PARTICIPATE IN THE
8 GRANTS WORKING GROUP REVIEW OF OUR TARGETED CLINICAL
9 DEVELOPMENT PROGRAM.

10 AS A RESULT, DOUG DIEKEMA, DIRECTOR OF THE
11 EDUCATION FOR PEDIATRIC BIOETHICS AT THE UNIVERSITY
12 OF WASHINGTON AND CHAIR OF THE IRB AT SEATTLE
13 CHILDREN'S HOSPITAL, PARTICIPATED IN THE REVIEW
14 WHERE THIS AWARD WAS CONSIDERED.

15 FINALLY, CIRM REQUIRES A NUMBER OF
16 POLICIES WITHIN THE APPLICATION OR OUR CONTRACTS.
17 SO, FOR EXAMPLE, CIRM REQUIRES PUBLIC REGISTRATION
18 ON CLINICALTRIALS.GOV. IN ADDITION, IT REQUIRES THE
19 IRB REVIEWING A TRIAL TO BE REGISTERED WITH THE
20 OFFICE OF HUMAN RESEARCH PROTECTION. SO BASED IN
21 LARGE PART ON THE EFFORTS OF THE WORKING GROUP AND
22 ITS CHAIRPERSONS, WE FEEL CIRM HAS STAYED TRUE TO
23 THEIR COURSE IN ADVANCING RESPONSIBLE RESEARCH BY
24 REALLY BUILDING ON ESTABLISHED POLICY, AS DR. LO
25 REFERRED TO EARLIER.

BARRISTERS' REPORTING SERVICE

1 I WANTED TO HIGHLIGHT THESE EFFORTS
2 BECAUSE THEY'RE ACTIONS CIRM HAS INITIATED IN
3 ADVANCE OF EXISTING FEDERAL REQUIREMENTS. AND AS
4 INDICATED IN THE RESOLUTION, ANY FDA-REGISTERED
5 TRIAL MUST ALSO MEET A SERIES OF FEDERAL
6 REQUIREMENTS. AND AGAIN, THESE REQUIREMENTS ARE THE
7 SAFETY OF THERAPIES, AND THOSE REQUIREMENTS WERE
8 PROMULGATED BY THE FOOD AND DRUG ADMINISTRATION, THE
9 INSTITUTIONAL REVIEW AND OVERSIGHT REQUIREMENTS AS
10 DESCRIBED IN THE COMMON RULE, WHICH IS INCORPORATED
11 BOTH INTO OUR MEDICAL AND ETHICAL STANDARDS AND OUR
12 GRANTS ADMINISTRATION POLICY, AND INDIRECTLY PRIVACY
13 PROTECTIONS AND HIPAA ARE RELEVANT IN THE CONDUCT OF
14 A CLINICAL TRIAL BY NATURE OF THE FACT THAT WE'RE
15 DEALING WITH A PATIENT'S MEDICAL INFORMATION.

16 SO THE RESOLUTION YOU HAVE BEFORE YOU IS
17 DESIGNED TO REALLY ENCAPSULATE THESE SELECTED
18 REGULATORY OR POLICY REQUIREMENTS GOVERNING TRIALS
19 INITIATED UNDER AN FDA INVESTIGATIONAL NEW DRUG
20 APPLICATION WITH CIRM SUPPORT. AND AGAIN, IT'S OUR
21 HOPE TODAY THAT THE STANDARDS WORKING GROUP WILL
22 ENDORSE THIS RESOLUTION AND WE CAN TAKE IT TO OUR
23 GOVERNING BOARD AT THE END OF JUNE.

24 SO I'D LIKE TO TURN IT BACK OVER TO DR. LO
25 TO CONSIDER QUESTIONS, COMMENTS, OR ANY DISCUSSION.

BARRISTERS' REPORTING SERVICE

1 CHAIRMAN LO: OKAY. AND SO YOU ALL SHOULD
2 HAVE RECEIVED ELECTRONICALLY THE ACTUAL DRAFT
3 RESOLUTION. IT'S TWO PAGES. AND IT'S SORT OF
4 ORGANIZED BY THESE BOLD HEADERS. JUST TO SORT OF
5 CALL YOUR ATTENTION TO THEM ON THE FIRST PAGE, THE
6 HEADER FOR SAFETY REQUIREMENTS WHICH REVIEWS ALL THE
7 EXISTING REGULATORY REQUIREMENTS. INSTITUTIONAL
8 REVIEW AND OVERSIGHT AND INFORMED CONSENT WHICH, AS
9 GEOFF ALREADY DESCRIBED FOR US, IS REQUIRED BOTH BY
10 FDA AND BY 45 CFR 46.

11 AND ON THE SECOND PAGE WE HAVE OTHER
12 ISSUES WITH REGARD TO MONITORING PLANS, REPORTING OF
13 THE TRIAL RESULTS, ACCESS REQUIREMENTS, WHICH IS
14 CIRM'S SPECIFIC ISSUE THAT WE'VE BEEN VERY CONCERNED
15 ABOUT, AND THEN THE FINAL RESOLUTION THAT FOLLOWS
16 ALL THIS TEXT.

17 SO LET ME JUST STOP THERE AND OPEN IT UP
18 TO THE WORKING GROUP FOR COMMENTS AND QUESTIONS, IF
19 ANY.

20 DR. ROBERTS: THIS IS DOROTHY.

21 CHAIRMAN LO: HI, DOROTHY. GO AHEAD.

22 DR. ROBERTS: I HAVE A QUESTION. SINCE
23 THIS RESOLUTION BASICALLY RELIES ON OTHER PROTECTION
24 FOR HUMAN SUBJECTS, AND I UNDERSTAND THAT THERE ARE
25 MANY OF THEM AND IT SEEMS AS IF EVERY PROJECT, EVERY

BARRISTERS' REPORTING SERVICE

1 RESEARCH PROJECT FUNDED BY CIRM WOULD BE COVERED,
2 BUT I JUST WANT TO GET ASSURANCE THAT EVERY SINGLE
3 CURRENT OR POTENTIAL CIRM-FUNDED PROJECT WOULD BE
4 COVERED BY THESE PROTECTIONS THAT ARE LISTED IN THE
5 RESOLUTION. THERE ISN'T ANY THAT COULD SLIP THROUGH
6 THE CRACKS BECAUSE IT, FOR EXAMPLE, WASN'T
7 REGISTERED WITH THE FDA OR THERE ISN'T AN IRB
8 BECAUSE IT'S PRIVATE AND IT'S A PRIVATE ENTERPRISE
9 AND NOT CONNECTED TO A UNIVERSITY.

10 I DON'T THINK THAT COULD HAPPEN, BUT I
11 JUST WOULD LIKE TO HAVE ASSURANCE THAT THAT COULDN'T
12 POSSIBLY HAPPEN.

13 CHAIRMAN LO: GOOD QUESTION. SO THIS
14 REALLY ONLY PERTAINS TO CIRM-FUNDED -- CIRM GRANTS
15 FOR CLINICAL TRIALS THAT ARE CARRIED OUT UNDER THE
16 AUSPICES OF AN FDA IND. SO SPECIFICALLY WITH REGARD
17 TO YOUR QUESTION, DOROTHY, THE FDA, ALL THE FDA
18 REGULATIONS ARE IN PLAY, AND THEY DO REQUIRE AN IRB
19 APPROVAL OF BOTH THE PROTOCOL AND OVERSIGHT OF THE
20 INFORMED CONSENT PROCESS. AND I THINK CIRM HAS
21 DRAFTED THIS, SO I DON'T THINK THEY CONCEIVE OF
22 FUNDING CLINICAL TRIALS IF THEY AREN'T CARRIED OUT
23 UNDER FDA SUPERVISION.

24 DR. ROBERTS: OKAY. AND SO IS THAT PART
25 OF THE REGULATIONS OF CIRM, OR IS THERE SOMETHING IN

BARRISTERS' REPORTING SERVICE

1 THIS RESOLUTION THAT STATES THAT?

2 DR. FEIGAL: WHAT I CAN SAY -- THIS IS
3 ELLEN FEIGAL SPEAKING RIGHT NOW. AND WHAT I CAN
4 COMMENT UPON IS THAT WITH THE INITIATIVES THAT WE
5 HAVE IN PLAY SO FAR WITH IND-ENABLING STUDIES FOR
6 DISEASE TEAM INITIATIVES AND WITH THE TARGETED
7 CLINICAL DEVELOPMENT, ALL OF OUR WORK IS FOCUSED ON
8 THE IND. THOSE THERAPIES, SINCE MUCH -- EVERYTHING
9 THAT WE'RE DEALING WITH ARE INNOVATIVE-TYPE
10 THERAPIES, AND THEY'RE ALL DIRECTED TOWARDS A
11 REGULATORY PATHWAY. SO AT THIS POINT IN TIME, WITH
12 THE SOLICITATIONS WE'VE ALREADY PUT OUT, WITH THE
13 SOLICITATIONS WE PLAN IN THE NEAR FUTURE, THIS
14 COVERS THE WATERFRONT OF THE TYPE OF STUDIES THAT WE
15 WOULD BE CONDUCTING THAT COULD BE COVERED BY THIS
16 RESOLUTION.

17 I'M NOT PROMISING YOU FOREVER AND EVER.
18 IF WE DID SEEK TO GO INTO ADDITIONAL SCOPE AREAS,
19 THEN WE COULD REVISIT THIS.

20 DR. ROBERTS: OKAY. SO I WOULD JUST WANT
21 TO PUT ON THE RECORD THAT MY APPROVAL OF THIS WOULD
22 BE CONTINGENT ON THAT, THAT IF EVER THERE WERE
23 FUNDING OF RESEARCH CLINICAL TRIALS THAT WERE NOT
24 WITHIN THE FDA FRAMEWORK, THAT WE WOULD HAVE TO
25 REVISIT.

BARRISTERS' REPORTING SERVICE

1 MS. LANSING: WHY DON'T WE PUT THAT, THAT
2 THESE ARE ALL -- I HEAR YOUR POINT. WHY DON'T WE
3 PUT THAT AS PART OF OUR APPROVAL, THAT WE'RE ONLY
4 APPROVING THINGS THAT ARE UNDER THE FDA FRAMEWORK;
5 AND SHOULD WE EVER APPROVE SOMETHING OUT OF THAT, WE
6 WOULD HAVE TO COME BACK TO REVISIT.

7 CHAIRMAN LO: LET ME JUST SAY THE FDA HAS
8 ASSERTED ITS JURISDICTION OVER STEM CELL TREATMENTS.
9 AND SO THE FDA HAS GONE ON RECORD AND WARNED
10 PURVEYORS OF, QUOTE, STEM CELL THERAPIES THAT IF
11 THEY'RE NOT USING -- IF THEY DON'T HAVE FDA APPROVAL
12 OR AN FDA IND, THEY WILL BE SHUT DOWN. ACTUALLY
13 I'LL DEFER TO ELONA HERE, BUT SEVERAL OF THESE SORT
14 OF CLINICS THAT PURPORT TO OFFER STEM CELL THERAPIES
15 THAT ARE TOTALLY UNPROVEN AND, IN FACT, UNSPECIFIED
16 HAVE BEEN WARNED BY THE FDA THAT THEY CAN'T DO THAT
17 WITHOUT FDA OVERSIGHT. BUT, ELONA, WHY DON'T
18 YOU --

19 MS. BAUM: THERE ARE CERTAIN TYPES OF
20 STUDIES THAT DO NOT NEED FDA IND APPROVAL. THOSE
21 ARE NOT THE TYPES OF STUDIES IN THE PAST THAT WE
22 HAVE FUNDED, FOR INSTANCE. IF THEY WERE MORE THAN
23 MINIMALLY MANIPULATED, WE FALL OUTSIDE OF THE
24 NONOTOLOGOUS USE EXCEPTION. SO THOSE ARE RARE
25 EXCEPTIONS. THOSE AREN'T THE TYPES OF STUDIES WE

BARRISTERS' REPORTING SERVICE

1 FUND BECAUSE THEY'RE NOT, IN OUR VIEW, THE TYPES OF
2 RESEARCH THAT ADVANCE MEDICINE. BUT I CAN
3 UNDERSTAND THE INTEREST IN INCLUDING RECOGNITION OF
4 THAT WITHIN THE RESOLUTION.

5 MS. LANSING: I REALLY LIKE THAT BECAUSE
6 WE'RE GOING TO HAVE A NEW CHAIRMAN. THERE'S A LOT
7 OF PRESSURE ON US TO GET INTO CLINICAL TRIALS.
8 THERE'S ARTICLES ALL OVER THE PLACE. SO I THINK
9 IT'S A NICE WHAT YOU CALL SAFETY GUARD.

10 DR. FEIGAL: I WANT TO CLARIFY WE'RE
11 FOCUSED ON CELL THERAPY. THEY ARE ALSO WORKING WITH
12 BIOLOGIC SMALL MOLECULES THAT MIGHT ATTACK A STEM
13 CELL AREA. RIGHT NOW NONE OF THOSE ARE IN THE
14 CLINICAL TRIAL ARENA FOR US, BUT I JUST WANTED TO
15 CLARIFY THAT THE FDA, IN ADDITION TO THE OFFICE OF
16 CELLULAR AND TISSUE THERAPIES, THERE MAY BE OTHER
17 CENTERS WITHIN THE FDA THAT WE'RE ALSO WORKING WITH,
18 AND I THINK THIS SHOULD BE COVERED BY THE RESOLUTION
19 BEFORE YOU TODAY.

20 CHAIRMAN LO: SO I WOULD SUGGEST, TO SORT
21 OF IMPLEMENT DOROTHY'S POINT, THAT IN THE TEXT OF
22 THE DRAFT WE PUT IN LANGUAGE TO SAY THAT SWG'S
23 UNDERSTANDING IS THAT THIS RESOLUTION ONLY APPLIES
24 TO FDA-APPROVED TRIALS AND THAT WE WOULD NEED TO
25 REVISIT.

BARRISTERS' REPORTING SERVICE

1 DR. LOMAX: WE WILL REEMPHASIZE THAT IN
2 OUR COVER MEMO TO THE BOARD. BUT I'D LIKE TO
3 ACKNOWLEDGE ELONA BAUM WHO IS VERY HELPFUL IN THIS
4 PROCESS, AND SHE VERY CLEARLY EXPLAINED TO ME RIGHT
5 UP FRONT THE INTENT WAS CLEARLY TO LIMIT IT TO THAT
6 SPECIFIC CONTEXT. SO WE WILL DO DOUBLE DUTY. AND,
7 AGAIN, WE BELIEVE, UNLESS THERE'S A CONCERN THAT THE
8 LANGUAGE DOES REFLECT THAT NARROW CONTINGENCY, AND
9 WE WILL REEMPHASIZE THAT AS SORT OF OUR REPORT BACK
10 FROM THE DELIBERATION.

11 MS. BAUM: AND JUST TO RESTATE WHAT IS
12 PROBABLY THE OBVIOUS, THIS IS WITH RESPECT TO
13 U.S. CLINICAL TRIALS. I THINK THAT WE REALLY HAVE
14 TO NOODLE ON WHAT THE ORGANIZATION SHOULD SET FORTH
15 IN INSTANCES WHERE CLINICAL TRIALS ARE NOT FUNDED
16 NECESSARILY BY US, BUT EVEN BY PARTNERS, AND WHAT
17 OUR ROLE AND WE WANT TO SEE FROM THAT IF WE HAVE A
18 JOINT COOPERATIVE FUNDING PROJECT.

19 DR. LOMAX: AND, DOROTHY, JUST TO
20 EMPHASIZE WHAT THAT BRINGS, I BELIEVE THAT WAS PART
21 OF YOUR INITIAL QUESTION, THAT BRINGS IN THAT SAFETY
22 PIECE. THAT'S REALLY WHERE THE FDA -- IN TERMS --

23 DR. ROBERTS: RIGHT.

24 DR. LOMAX: IT'S ABOVE AND BEYOND WHAT WAS
25 ALREADY IN EFFECT. IT'S THE SAFETY ASSESSMENT, GOOD

BARRISTERS' REPORTING SERVICE

1 MANUFACTURING PIECE THAT UP UNTIL THIS POINT WE
2 DON'T INDEPENDENTLY HAVE -- WE DON'T WRITE
3 REGULATIONS, FOR EXAMPLE. THAT'S THE ADD-ON THAT
4 GOES WITH THAT.

5 DR. ROBERTS: EXACTLY. AND I'M HAPPY IT'S
6 THERE. I JUST WANTED TO MAKE SURE THAT IT WOULD
7 ALWAYS BE THERE FOR ANY RESEARCH THAT THIS
8 RESOLUTION COVERS.

9 DR. FEIGAL: YEAH. THAT'S OUR INTENDED
10 SCOPE THAT YOU SEE HERE.

11 DR. ROBERTS: YEAH. I THINK YOU'VE
12 ADDRESSED MY CONCERN.

13 CHAIRMAN LO: OKAY. GREAT. OTHER
14 COMMENTS, CONCERNS, QUESTIONS?

15 DR. TAYLOR: BERNIE, THIS IS ROD TAYLOR.
16 I KIND OF AM A LITTLE RELUCTANT TO TAKE THIS TO THE
17 NEXT STEP, BUT ARE WE CONVINCED THAT THE FDA BAR IS
18 ACTUALLY SET HIGH ENOUGH FOR THIS PARTICULAR
19 APPLICATION? I'M NOT CONVINCED REALLY BASED ON THE
20 STUFF THAT I'M LOOKING AT NOW. GOOD TISSUE
21 PRACTICES, THERE MAY ACTUALLY BE MORE COMPLICATING
22 FEATURES WITH STEM CELL THERAPIES THAN ARE FRANKLY
23 ADDRESSED AT THIS LEVEL.

24 SO I'VE KIND OF BEEN ACCUSED OF BEING A
25 LITTLE BIT OBSTRUCTIONIST ON THIS POINT IN THE PAST.

BARRISTERS' REPORTING SERVICE

1 I KIND OF HATE TO GO THERE AGAIN, BUT I JUST SORT OF
2 WANTED TO GET A SENSE OF THE REST OF THE GROUP IF
3 THIS IS FELT TO BE SORT OF AN ADEQUATE STANDARD.

4 CHAIRMAN LO: ROB, DO YOU WANT TO SAY A
5 LITTLE BIT ABOUT WHAT SORTS OF THINGS, SPECIFIC
6 THINGS, YOU MIGHT BE CONCERNED ABOUT THAT THE FDA
7 OVERSIGHT WOULDN'T BE SATISFACTORY FOR?

8 DR. TAYLOR: THE TWO KIND OF -- I DON'T
9 EVEN KNOW WHAT SORT OF THE REGULATORY CFRS, TELL ME
10 WHAT THAT STANDS FOR.

11 DR. FEIGAL: CODE OF FEDERAL REGULATIONS.

12 DR. TAYLOR: THE REGULATIONS THAT SEEM
13 MOST RELEVANT ARE THE 21 CFR, PART 50, WHICH IS AN
14 INFORMED CONSENT ONE. I ABSOLUTELY AM NOT TRYING TO
15 CONSTRUE PERSONHOOD ONTO AN EMBRYO, BUT THIS IS
16 REALLY FOCUSED AT THE DONOR, I THINK. AND I'M NOT
17 SURE THAT WE ALWAYS HAVE -- IN FACT, IN THE CELL
18 THAT'S SORT OF UNDERGOING CLINICAL TRIALS CURRENTLY,
19 I WOULD SAY THAT THAT IS SUBOPTIMAL IN TERMS OF --

20 DR. LOMAX: ROB, THIS IS GEOFF. SORRY TO
21 INTERRUPT. THIS IS A FAIRLY CRITICAL POINT. THAT
22 PART OF THE CODE OF FEDERAL REGULATIONS IS THE
23 CONSENT AS IT RELATES TO THE RECIPIENT OF THE
24 THERAPY, NOT THE DONOR OF THE MATERIAL WHICH WAS THE
25 BASIS FOR WHICH THE THERAPY WAS DERIVED.

BARRISTERS' REPORTING SERVICE

1 DR. TAYLOR: OKAY. ALL RIGHT. I GUESS I
2 DIDN' T --

3 DR. FEIGAL: THERE' S A SEPARATE INFORMED
4 CONSENT ISSUE THAT DEAL WITH THE DONOR. WHAT WE
5 WERE TALKING ABOUT HERE FOR CLINICAL TRIALS IS THE
6 CONSENT FOR THE RESEARCH SUBJECT ON THE CLINICAL
7 TRIAL.

8 DR. TAYLOR: OKAY.

9 DR. FEIGAL: THE PERSON WHO' S ACTUALLY
10 GOING TO RECEIVE THE INTERVENTION.

11 DR. TAYLOR: ALL RIGHT. SO DO WE WANT TO
12 CONSIDER THE OTHERS?

13 MS. BAUM: ISN' T THAT ALREADY BUILT IN?

14 DR. FEIGAL: THAT' S ALREADY PART OF THE
15 CONSENT FOR DONATION OF TISSUE AND OTHER MATERIALS.
16 GEOFF, I DON' T KNOW IF YOU LISTED ALL THE REGS FOR
17 THAT.

18 DR. LOMAX: IN THIS CASE, ROB, IN TERMS OF
19 HOW THE REGULATIONS PLAY OUT, THE SOURCE LINE THAT
20 IS USED FOR THIS PARTICULAR INTERVENTION MEET OUR
21 STANDARDS FOR ACCEPTABLE DERIVATION. IT' S ALSO A
22 LINE THAT IS REGISTERED ON THE NIH REGISTRY. SO
23 IT' S GONE THROUGH THAT PROCESS AS WELL. THAT' S A
24 SORT OF TECHNICAL REGULATORY FRAME. THAT' S THE
25 STATUS OF THE SOURCE OF MATERIAL.

BARRISTERS' REPORTING SERVICE

1 DR. FEIGAL: AND WE ACTUALLY, EVEN WITH
2 THE APPLICATIONS THAT CAME IN, WE REQUIRED THAT KIND
3 OF CONSENT APPROVAL. THAT WAS THE FIRST STAGE OF
4 EVEN LOOKING AT THESE APPLICATIONS WAS TO MAKE SURE
5 THAT THAT WAS INTACT AND DONE.

6 DR. TAYLOR: AGAIN, I GUESS I WAS SORT OF
7 ASKING DO WE FEEL THAT THAT'S AN ADEQUATE LEVEL OF
8 INFORMATION FOR STEM CELLS GOING FORWARD?

9 DR. OLSON: THIS IS PAT OLSON. I JUST
10 WANTED TO MAKE A COMMENT. I NOTICED THAT THE
11 RESOLUTION BEFORE YOU HAS RIGHTLY CITED OTHER
12 APPLICABLE FDA REGULATIONS. I THINK YOUR
13 CONCERN -- SO WHAT IS NOT GONE INTO IN GREAT DETAIL
14 HERE IS WE'RE NOT LISTING ALL THE REGULATIONS THAT
15 APPLY. I MEAN THERE'S THE GOOD TISSUE PRACTICES,
16 DEPENDING ON THE LEVEL OF THE TYPE OF THING THAT'S
17 CITED THERE, THAT IMMEDIATELY TRIGGERS THE 21 CFR
18 WHICH HAS TO DO WITH IND FILING, GMP, AND ALL OF
19 THAT.

20 SO DEPENDING ON THE COMPLEXITY OF THE TYPE
21 OF THERAPY, YOU HAVE A WHOLE SET OF FDA REGULATIONS
22 THAT APPLY, WHICH HAS TO DO WITH MANUFACTURE AND
23 SAFETY STANDARDS. SO I THINK ALL OF THOSE ARE
24 INCLUDED IN THE STATEMENT "OTHER APPLICABLE FDA
25 REGULATIONS."

BARRISTERS' REPORTING SERVICE

1 CHAIRMAN LO: LET ME GO BACK TO ROB'S
2 POINT THOUGH.

3 DR. TAYLOR: I ACCEPT THAT. I'M JUST
4 WONDERING WHETHER THAT'S THE RIGHT LEVEL OF
5 SCRUTINY.

6 CHAIRMAN LO: SO LET ME GO BACK TO YOUR
7 CONCERN, ROB, ABOUT THE CONSENT FOR THE DONATION OF
8 EMBRYOS FOR THE DERIVATION OF THE STEM CELL LINES.

9 DR. TAYLOR: AND I WOULD SAY THAT THIS
10 GOES BEYOND ETHICS. THIS IS NOT ONLY CONSENT, BUT
11 ALSO THE ABILITY TO FOLLOW UP, THE MONITORING AND
12 SORT OF FOLLOW-UP OF THE DONORS.

13 CHAIRMAN LO: OKAY. SO LET'S TAKE THOSE
14 SEPARATELY. IN TERMS OF CONSENT, IN TERMS OF
15 CONSENT FROM THE -- FOR THE DONATION OF THE EMBRYO
16 TO DERIVE THE STEM CELL LINE, SO WE HAVE REQUIRED
17 THOSE LINES TO FOLLOW ACTUALLY CLRM STANDARDS, WHICH
18 THIS WORKING GROUP DEVELOPED AND ARE QUITE STRICT IN
19 TERMS OF INFORMED CONSENT FROM THE WOMEN OR COUPLE
20 IN THE IVF PRACTICE THAT DONATES THE EMBRYOS.

21 THE NIH REGULATIONS TRACK THAT AS WELL.
22 THERE ARE VERY SPECIFIC REQUIREMENTS AS TO WHAT'S
23 INCLUDED IN THE CONSENT THAT HAS TO -- IT CAN'T
24 BE -- THE IDEAL IS THAT THEY HAVE TO CONSENT FOR
25 DERIVATION OF STEM CELL LINES, THEY HAVE TO BE

BARRISTERS' REPORTING SERVICE

1 INFORMED OF OTHER OPTIONS, SO THAT WE HAVE WORKED
2 THROUGH THOSE CONSENT PROCEDURES AS HAS THE NIH.

3 AND SO I GUESS IF THERE'S SPECIFIC ISSUES
4 BEYOND THAT, WE CAN -- THESE BUILD ON -- THESE
5 INCORPORATE THOSE, AND PERHAPS WE CAN, GEOFF, THINK
6 OF MODIFYING THE CONSENT TO REFERENCE THAT BECAUSE
7 IT'S A DIFFERENT KIND OF CONSENT THAN THE CONSENT
8 FROM THE STEM CELL RECIPIENTS IN THE TRIAL.

9 DR. FEIGAL: CAN I JUST MAKE A COMMENT?
10 IF YOU WANT US TO INCLUDE IN THE DRAFT RESOLUTION ON
11 U.S. CLINICAL TRIALS A BRIEF SET OF STATEMENTS OVER
12 THE ISSUES THAT CIRM ADDRESSES ON DONATION OF
13 TISSUE, WE CAN DO THAT BECAUSE YOU ARE CORRECT.
14 THAT'S NOT CURRENTLY PART OF THIS DOCUMENT, BUT WE
15 CERTAINLY DO ADHERE TO THAT, AND WE DO HAVE POLICIES
16 FOR THAT, AND WE DO MAKE SURE OUR APPLICANTS ARE
17 COMPLIANT WITH IT.

18 SO IF YOU WANT THAT KIND OF ASSURANCE IN
19 THIS DOCUMENT, WHICH REALLY IS FOCUSED ON CLINICAL
20 TRIALS AND THE INTERVENTION, WE COULD DO IT, BUT WE
21 WERE TRYING TO REALLY FOCUS NOT ON EVERYTHING THAT
22 CIRM IS DOING BECAUSE THAT COULD GO WAY BACK IN
23 RESEARCH ISSUES TOO, BUT TO FOCUS ON THE CLINICAL
24 TRIAL ASPECT. SO LET US KNOW WHAT YOU THINK.

25 DR. TAYLOR: I'M NOT TRYING TO MAKE IT

BARRISTERS' REPORTING SERVICE

1 PLUSH, BUT IT'S JUST I'M AFRAID THAT WE HAVE A
2 CONDITION IN WHICH, UNLESS I'M NOT UNDERSTANDING THE
3 FACTUAL DETAILS, THAT THE ONE CELL LINE THAT IS
4 ACTUALLY IN CIRM-APPROVED TRIALS MIGHT NOT MEET OUR
5 CRITERIA.

6 CHAIRMAN LO: ELLEN, DO YOU WANT TO
7 COMMENT ON THAT?

8 DR. PETERS: THE ATLANTA CLINICAL TRIAL
9 YOU'RE TALKING ABOUT?

10 DR. TAYLOR: YEAH.

11 DR. PETERS: THANKS.

12 CHAIRMAN LO: ELLEN, WHY DON'T YOU --
13 BECAUSE THIS IS IN REVIEW. WE'LL ACTUALLY ADDRESS
14 THAT.

15 DR. FEIGAL: IT ACTUALLY HAS BEEN
16 REVIEWED. I ASSUME YOU'RE TALKING ABOUT THE SPINAL
17 CORD INJURY TRIAL?

18 DR. TAYLOR: RIGHT.

19 DR. FEIGAL: THAT HAS BEEN REVIEWED AND
20 COMPLIANT WITH THE DIFFERENT PRACTICES THAT CIRM HAS
21 IN PLACE. SO I DON'T KNOW WHAT SPECIFICALLY
22 YOU'RE -- GEOFF, YOU MAY WANT TO MAKE ADDITIONAL
23 COMMENTS.

24 DR. LOMAX: YOU KNOW, AGAIN, JUST AT FACE
25 VALUE, THE SORT OF TECHNICAL REGULATORY COMPLIANCE,

BARRISTERS' REPORTING SERVICE

1 IT IS A COMPLIANT LINE ACCORDING TO MULTIPLE
2 CRITERIA ACTUALLY. IT WAS DETERMINED TO BE
3 ACCEPTABLE BY OUR GRANTEES. AND THEN ONCE WITH THE
4 REVISED -- WELL, BOTH THE FORMER AND REVISED NIH
5 REGISTRY. SO IN THAT REGARD, IT MEETS THE MARK
6 ACCORDING TO MULTIPLE CRITERIA.

7 DR. OLSON: IT ALSO MEETS THE GOOD TISSUE
8 REQUIREMENT FOR DONOR ELIGIBILITY IN THE SENSE THAT
9 IT MET ALL REQUIREMENTS THAT WERE APPLICABLE BEFORE
10 MAY, I THINK, OF 200- --

11 DR. FEIGAL: YEAH. SO IT COULD
12 BE -- PERHAPS YOU DON'T HAVE THE FACTS. BUT WE
13 CERTAINLY DID MAKE SURE THAT THEY ADHERED TO ALL THE
14 GUIDANCES AND REGULATIONS.

15 CHAIRMAN LO: MY POSITION IS THAT SINCE IT
16 IS SOMETHING THAT WAS LOOKED AT AND IS AN INTEGRAL
17 PART OF THE CIRM REVIEW PROCESS, THAT WE SAY
18 SOMETHING IN THE FIRST PAGE, GEOFF, ABOUT THERE ARE
19 OTHER -- ALL OTHER CIRM REQUIREMENTS ARE ALSO
20 APPLIED TO THESE GRANTS.

21 DR. LOMAX: CORRECT. I THINK IF I
22 UNDERSTAND ROB'S POINT, AGAIN, THE SOURCE MATERIAL
23 HAS TO BE EVALUATED IN SUCH A MANNER WHERE THAT IS
24 DETERMINED UP FRONT. WE DO THAT. WE CAN EASILY
25 INCORPORATE THAT. THIS IS A BIT MORE DOWNSTREAM

BARRISTERS' REPORTING SERVICE

1 FROM THAT POINT. AND SO SINCE THAT'S AN OMISSION,
2 WE'RE HAPPY TO MAKE MODIFICATIONS TO CLARIFY THAT.

3 CHAIRMAN LO: ROB, LET ME MAKE SURE I'VE
4 UNDERSTOOD YOUR COMMENT. I THINK YOU HAD A SECOND
5 COMMENT THAT HAD TO DO WITH WHETHER THERE WAS
6 SUFFICIENT TRACKING OF DONOR HEALTH, THE HEALTH OF
7 THE ORIGINAL DONORS OF THE GAMETES THAT WENT INTO
8 THE OOCYTE. SO THAT, FOR EXAMPLE, IF AFTER DONATING
9 THEIR MATERIALS THAT WENT INTO THE STEM CELL LINE,
10 THEY CAME DOWN WITH SOME SERIOUS HEREDITARY DISEASE
11 THAT COULD POSSIBLY BE TRANSMITTED, WERE YOU
12 CONCERNED THAT THAT'S NOT BEING TRACKED?

13 DR. TAYLOR: YEAH. THAT WAS THE CONCERN.
14 HOW IS THAT BEING TRACKED?

15 DR. FEIGAL: WHAT I CAN SAY IS THERE'S
16 EXTENSIVE TESTING AT THE TIME OF DONATION IN TERMS
17 OF WHAT WE'RE ABLE TO DO. THE HISTORY, ALSO TESTING
18 ACTUALLY OF THE LINE FOR DIFFERENT -- A VARIETY OF
19 DIFFERENT THINGS THAT COULD BE TRANSMITTED, THAT'S
20 DONE AT THE TIME OF THE ACTUAL DONATION.

21 MS. BAUM: AND THE FDA HAS REGULATIONS TO
22 ADDRESS THIS CONCERN ALL WITHIN THE PRACTICALITIES
23 OF THE CIRCUMSTANCES THAT PRESENT THEMSELVES IN
24 TERMS OF PATIENT -- DONOR CONFIDENTIALITY, ETC. SO
25 IT'S A LARGE ISSUE, VERY COMPLICATED ISSUE. THE FDA

BARRISTERS' REPORTING SERVICE

1 HAS STRUCK A BALANCE ON THIS ISSUE, AND I DON'T SEE
2 HOW WE COULD DO MORE IN THAT DEPARTMENT PERSONALLY.

3 CHAIRMAN LO: ROB, HAVE I CHARACTERIZED
4 THE ISSUE YOU RAISED?

5 DR. TAYLOR: YEAH, YOU HAVE. AND I GUESS
6 I'D JUST LIKE TO POINT OUT THAT I THINK THE FDA
7 REGULATIONS ARE PRETTY MUCH BASED ON ORGAN
8 TRANSPLANTATION WHICH I THINK HAS SORT OF DIFFERENT
9 IMPLICATIONS MAYBE THAN THIS. BUT I THINK
10 THAT'S -- YOU'VE SUMMARIZED IT WELL, BERNIE.

11 DR. FEIGAL: DO YOU THINK THERE NEEDS TO
12 BE ANY -- I MEAN PART OF WHAT WE WANT TO DO HERE IS
13 HEAR WHAT YOUR ISSUES ARE. THE OTHER PART IS THE
14 MORE PRAGMATIC. OF THESE ISSUES THAT ARE RAISED,
15 ARE THERE PARTS OF THEM THAT NEED TO BE INCORPORATED
16 INTO THIS DOCUMENT?

17 DR. TAYLOR: I GUESS I WOULD SORT OF GO
18 BACK TO SAY IF WE'RE HAPPY KIND OF RUBBER STAMPING
19 THE FDA'S LEVEL OF SORT OF RIGOR, THEN I THINK WE'RE
20 KIND OF FINE THE WAY THIS IS WRITTEN. SO THAT WAS
21 REALLY JUST A QUESTION.

22 DR. FEIGAL: OKAY. I THINK WE'VE DONE
23 MORE THAN RUBBER STAMP. I THINK CIRM ACTUALLY DOES
24 HAVE QUITE A RIGOROUS LOOK AT THESE ISSUES. AND SO
25 THOSE WERE LOOKED AT IN ADDITION TO ALL THE

BARRISTERS' REPORTING SERVICE

1 REGULATORY ISSUES ON DONOR AND CELL LINES THAT CAN
2 BE USED. SO I THINK WE ARE COMFORTABLE WITH THAT.

3 CHAIRMAN LO: ROB, LET ME TRY AND PUT THIS
4 IN ANOTHER FRAME, WHICH IS THE SORT OF EVOLVING
5 SCIENCE FRAMES. SO THE FDA HAS BEEN VERY, VERY
6 SCRUPULOUS WITH REGARD TO TESTING FOR INFECTIOUS
7 DISEASES, AND THEY HAVE A LONG HISTORY OF ADDING
8 ADDITIONAL TESTING OF THE MATERIAL TO BE
9 TRANSPLANTED TO RULE OUT TRANSMISSION OF INFECTIOUS
10 DISEASES AND HAVE THOSE TRACKED, FOR EXAMPLE, BLOOD
11 BANK CRITERIA AS WELL AND TRANSPLANTATION CRITERIA.

12 THERE ARE CONCERNS ABOUT WHETHER, WITH THE
13 INCREASING GENOMIC KNOWLEDGE, THERE WILL BE A TIME
14 WHEN FDA WILL SUGGEST OR ACTUALLY REQUIRE GENOMIC
15 TESTING OF MATERIALS TO BE TRANSLATED. THAT'S WAY
16 DOWN THE ROAD. I THINK THE ISSUE IS THAT THIS HAS
17 COME UP IN VARIOUS CONFERENCES. AND THE ANSWER IS
18 ALWAYS THERE'S NOT A CLEARLY DEFINED SET OF THINGS
19 TO TEST FOR SO THAT IF IT BECOMES THE CASE IN THE
20 FUTURE THAT THERE'S STRONG EVIDENCE THAT TESTING FOR
21 CERTAIN MUTATION IN THE MATERIALS TO BE TRANSLATED
22 HAS A (INAUDIBLE), I THINK THE EXPECTATION WOULD BE
23 THE FDA WILL RECONSIDER THAT. AND I ASSUME, AGAIN,
24 CIRM WOULD BE PART OF THAT CONVERSATION.

25 I THINK AT THIS POINT I DON'T THINK THERE

BARRISTERS' REPORTING SERVICE

1 ARE SPECIFIC ADDITIONAL TESTS THAT THE FDA WOULD
2 REQUIRE THAT HAVE STRONG SCIENTIFIC VALIDITY AND
3 PREDICTIVE VALUE.

4 DR. TAYLOR: OKAY. NO. NO. I BUY THAT,
5 AND I KNOW THAT THIS IS A MOVING TARGET AND IT'S
6 GOING TO EVOLVE OVER TIME. SO MAYBE I'M COMPLETELY
7 OFF BASE, BUT I GUESS MY CONCERNS ARE DERIVED FROM
8 UNDERSTANDING, AND IF I'M WRONG, PLEASE CORRECT ME
9 IMMEDIATELY, I APOLOGIZE, THAT THE EMBRYO THAT GERON
10 USED FOR THIS STEM CELL LINE THAT'S UNDERGOING
11 TRIALS HERE IN ATLANTA, THAT THE SPERM WAS DERIVED
12 FROM AN ANONYMOUS DONOR. IS THAT A TRUE FACT?

13 CHAIRMAN LO: I'LL DEFER TO SOMEONE WHO
14 KNOWS THE PROTOCOL. I ACTUALLY DON'T.

15 DR. PETERS: YOU'RE TALKING ABOUT
16 KIERSTEAD'S DONOR THAT GERON IS CURRENTLY
17 EXPERIMENTING WITH?

18 DR. TAYLOR: YES.

19 DR. PETERS: I DON'T KNOW.

20 DR. FEIGAL: YEAH. THIS IS THE WI CELL
21 LINE.

22 DR. OLSON: I THINK ALL THAT WE CAN SAY,
23 AND I'M SORRY I DON'T KNOW THE EXACT RESPONSE TO
24 YOUR QUESTION, BUT I KNOW THAT UNDER THE NEW NIH
25 RULES FOR ACCEPTANCE ONTO THEIR REGISTRY, THEY ASK A

BARRISTERS' REPORTING SERVICE

1 LOT OF QUESTIONS ABOUT THE DONORS. AND SO I THINK
2 ALL WE CAN SAY IS THAT THE NIH HAS AGREED TO ACCEPT
3 THAT LINE ON ITS REGISTRY IN COMPLIANCE WITH ITS
4 CONCERNS ABOUT DONOR ELIGIBILITY. I BELIEVE CIRM
5 HAS ACCEPTED IT FOR PURPOSES INTO OUR REGISTRY.

6 DR. TAYLOR: SO I GUESS I'M JUST ASKING DO
7 WE WANT TO RATCHET THIS UP A LITTLE BIT GOING
8 FORWARD?

9 DR. FEIGAL: YOU KNOW, I THINK THAT WE
10 HAVE TO THINK ABOUT THE ISSUE THAT THERE'S FEDERAL
11 REGULATIONS. WE ALREADY HAVE CIRM REGULATIONS.
12 THERE'S ETHICAL REGULATIONS IN HERE. AND I DON'T
13 THINK ON A CASE-BY-CASE BASIS WE CAN -- AT THIS
14 POINT IN TIME, I DON'T THINK WE HAVE ENOUGH
15 INFORMATION TO ADD ADDITIONAL REGULATIONS ON TOP OF
16 THOSE THAT ALREADY EXIST THAT ARE THERE TO PROTECT
17 PATIENT SAFETY.

18 I WOULD LIKE TO ADD THAT AS A CLINICAL
19 TRIAL, AND MAYBE THIS CAN GET INTO SOME OF THE
20 PRAGMATIC ISSUES, THERE IS GOING TO BE LONG-TERM
21 FOLLOW-UP OF PATIENTS WHO ARE ENROLLED ON THIS
22 TRIAL. SO REGARDLESS OF THE ISSUE OF THE DONOR,
23 WHETHER OR NOT THERE WAS SOMETHING THAT MIGHT BE AT
24 RISK OR NOT, WE ARE GOING TO BE FOLLOWING THE
25 PATIENT OVER A LONG-TERM PERIOD OF TIME THROUGH THE

BARRISTERS' REPORTING SERVICE

1 REGISTRY. SO THERE WILL BE LONG-TERM FOLLOW-UP TO
2 LOOK FOR ADVERSE EVENTS IN THAT PATIENT OVER AN
3 EXTENDED PERIOD OF TIME UP TO 15 YEARS. SO THERE IS
4 CERTAINLY ADHERENCE TO LOOKING AT WHAT'S HAPPENING
5 TO THE RESEARCH PARTICIPANT ON THAT TRIAL.

6 CHAIRMAN LO: ROB, LET ME AGAIN SORT OF
7 TRY AND PUT THIS IN CONTEXT. SO SINCE I SERVE ON
8 THE NIH WORKING GROUP TO ADVISE THE ADVISORY
9 COMMITTEE ON APPROVING LINES FOR NIH FUNDING, THE
10 REQUIREMENTS FOR CONSENT REALLY ARE CONSENT FROM THE
11 EMBRYO DONOR TO DONATE THE LINES FOR STEM CELL
12 DERIVATION AND RESEARCH. THERE IS NO NIH
13 REQUIREMENT THAT THERE BE CONSENT FROM THIRD-PARTY
14 GAMETE DONORS, ALTHOUGH THAT'S PART OF OUR CLRM
15 REGULATIONS.

16 WITH REGARD, HOWEVER -- SO I ACTUALLY
17 DON'T KNOW FOR A FACT, AND I GUESS WE CAN TRY AND
18 FIND OUT, WHETHER THERE WAS AN ANONYMOUS DONOR OR
19 NOT, BUT THE EMBRYO DONOR CLEARLY CONSENTED.

20 NOW, PART OF THE SCREENING PROCESS IS
21 TESTING OF THE MATERIALS TO BE TRANSPLANTED. SO ALL
22 THE INFECTIOUS DISEASES WERE TESTED FOR. EVEN WHEN
23 THERE'S AN ANONYMOUS DONOR OF GAMETES, THERE IS A
24 FAMILY HISTORY AND A HEALTH HISTORY TAKEN OF THAT
25 PERSON. AND THAT WOULD HAVE BEEN TRANSMITTED BY THE

BARRISTERS' REPORTING SERVICE

1 IVF PRACTICE. SO EVEN IF IT WERE AN ANONYMOUS
2 DONOR, WE WOULD STILL HAVE HEALTH INFORMATION ABOUT
3 THAT INDIVIDUAL AND SOME FAMILY HISTORY INFORMATION
4 AS WELL.

5 I DON'T ACTUALLY KNOW THE EXACT PROCESS
6 THAT THE FDA WENT THROUGH, BUT THERE IS THAT
7 SCRUTINY AND OVERSIGHT.

8 DR. LOMAX: IN THAT CONTEXT, BECAUSE IT'S
9 A NONINTIMATE PARTNER DONATION, IT HAS TO GO THROUGH
10 A SCREENING OF ANY BIOLOGICAL PRODUCT THAT WOULD
11 OTHERWISE BE TRANSPLANTED. SO IT HAD TO MEET THE
12 STANDARD OF THE DAY AS IF IT WERE A BIOLOGICAL
13 PRODUCT FROM A NONINTIMATE PARTNER.

14 CHAIRMAN LO: EVEN IF THE PARTNER WAS NOT
15 IDENTIFIED BY NAME.

16 DR. FEIGAL: THAT'S RIGHT.

17 DR. TAYLOR: BUT I THINK THAT THE
18 INFECTIOUS DISEASE SCREENING AND MAYBE WHAT WE'RE
19 INTERESTED IN IN TERMS OF LONG-TERM CELL
20 TRANSPLANTATION MIGHT BE DIFFERENT IS ALL I'M
21 SAYING. SO I'M JUST -- I MEAN THIS IS HAPPENING,
22 AND I'M HAPPY WITH IT. I'M REALLY GLAD THAT THESE
23 TRIALS ARE GOING FORWARD, BUT I'M JUST SORT OF
24 WONDERING -- WE HAVE AN OPPORTUNITY HERE TO DO MORE
25 THAN WHAT'S BEEN DONE IN THE PAST. AND I'M JUST

BARRISTERS' REPORTING SERVICE

1 ASKING THE QUESTION DO WE WANT TO.

2 I GET THE SENSE THAT AT LEAST
3 ADMINISTRATIVELY THE CIRM PEOPLE ARE HAPPY WITH THIS
4 PLAN. I JUST SORT OF FEEL OBLIGED TO KIND OF RAISE
5 THAT QUESTION.

6 CHAIRMAN LO: RIGHT. AND LET'S SEE WHAT
7 THE OTHER MEMBERS OF THE WORKING GROUP THINK AS WELL
8 BECAUSE I THINK WE'RE HAVING THIS CALL BECAUSE WE
9 WANT THOUGHTFUL INPUT, WHICH WE'RE CLEARLY GETTING.

10 SO LET'S ASK OTHER PEOPLE ON THE CALL TO
11 SORT OF GIVE US YOUR THOUGHTS.

12 DR. PETERS: THIS IS TED. I THINK THAT
13 THE ORIGINAL WORDING, I WAS IMPRESSED, SATISFACTORY,
14 IT SOLVES THE PROBLEM. AND I WAS UNAWARE OF THE
15 KIND OF NUANCES THAT THIS PARTICULAR COURSE OUR
16 DISCUSSION HAS TAKEN.

17 DR. ROBERTS: I WROTE AT THE BOTTOM OF THE
18 RESOLUTION IN MY NOTES "ARE SPECIAL STEM CELL
19 PROTECTIONS NEEDED," WHICH IS SORT OF WHAT ROB WAS
20 ASKING AS WELL. I JUST DON'T FEEL QUALIFIED TO
21 ANSWER THAT MYSELF, BUT IT IS A QUESTION I HAD AFTER
22 READING THE RESOLUTION IN ADDITION TO THE PRIOR
23 CONCERN I EXPRESSED.

24 CHAIRMAN LO: MAYBE I COULD ASK TIM AND
25 JOHN WHO HAVE DONE TRANSPLANTATION TO SORT OF GIVE

BARRISTERS' REPORTING SERVICE

1 THEIR THOUGHTS AS WELL, AS WELL AS THE OTHERS.

2 DR. WAGNER: YOU KNOW, I THINK THAT THERE
3 ARE SPECIAL ISSUES ASSOCIATED WITH STEM CELL
4 TRANSPLANTS, INFECTIOUS DISEASE BEING ONE OF THEM.
5 AND I THINK THAT THAT'S SOMETHING THAT DOES BECOME
6 PROBLEMATIC WHEN YOU DON'T HAVE BOTH GAMETE DONORS.
7 BUT CERTAINLY FOR THOSE INSTANCES WHERE WE HAVE THE
8 EMBRYO, AND WE HAVE BOTH DONORS AVAILABLE TO US,
9 THEY COULD BE TESTED.

10 BUT MANY OF THOSE THINGS ARE GOING TO BE
11 TESTED. THE SPINAL PROJECT WAS MENTIONED. I THINK
12 WHAT I'M MORE CONCERNED ABOUT IS MORE OF THE GENETIC
13 HISTORY AND WHETHER OR NOT THERE IS ANY RISK OF
14 GENETIC DISEASES, BUT THAT'S ALWAYS A RISK. I MEAN
15 THAT'S A RISK OF HEMATOPOETIC STEM CELL TRANSPLANT
16 TODAY ALTHOUGH AT LEAST WE HAVE BOTH PARENTS
17 AVAILABLE TO US WHEN WE DO TRANSPLANTS IN MOST
18 CASES, OR AT LEAST WE HAVE SOME GENETIC HISTORY
19 WITHIN THE FAMILY WHICH WE DON'T NECESSARILY HAVE
20 WITH A COUPLE WHO MAY NOT KNOW THEY HAVE A GENETIC
21 DISEASE. SO IT'S NOT GOING TO BE A ZERO RISK NO
22 MATTER WHAT. SO CERTAINLY IF WE DON'T HAVE BOTH
23 PARENTS OF THIS EMBRYO, IT CERTAINLY MAKES THAT MORE
24 OF A RISK, BUT IT WILL NEVER BE ZERO, I DON'T THINK.
25 THE ONLY COMMENTS I HAVE TO SAY IS THAT

BARRISTERS' REPORTING SERVICE

1 WHEN I LOOK AT THE SAFETY REQUIREMENTS SECTION FOR
2 CELL-BASED THERAPY, I'M NOT REALLY SURE HOW THIS IS
3 ANYTHING MORE THAN A RUBBER STAMP OF WHAT THE FDA
4 CERTAINLY REGULATES CURRENTLY. I GUESS MAYBE WHAT
5 COULD HELP ME WITH THAT IS IF YOU COULD TELL ME AS
6 CIRM, WHAT KIND OF CHECKLIST YOU WILL HAVE THAT WILL
7 VERIFY THESE REQUIREMENTS? AND HOW WILL YOU
8 INTERPRET WHAT'S GIVEN TO YOU RATHER THAN SIMPLY
9 SAYING, WELL, YES, AN IND HAS BEEN APPROVED?

10 AS YOU MAY OR MAY NOT KNOW, AN IND IS
11 APPROVED IF YOU DON'T HEAR THAT IT'S NOT APPROVED.
12 IT'S A RATHER AWKWARD APPROVAL PROCESS BECAUSE IF
13 THEY DON'T RESPOND TO YOU IN 30 DAYS, THEN YOU CAN
14 GET ACTIVATED.

15 DR. FEIGAL: YEAH. WE'RE VERY FAMILIAR
16 WITH THE REGULATORY PROCESS HERE. AND SEVERAL OF US
17 DO HAVE EXPERIENCE WITH PRODUCT DEVELOPMENT AND
18 WORKING WITH THE FDA AND ISSUES INVOLVED WITH MOVING
19 A THERAPY SAFELY INTO FIRST-IN-HUMANS AND THEN
20 ISSUES DURING THE CONDUCT OF A CLINICAL TRIAL.

21 WE HAVE ACTUALLY WITH -- WE HAVE HAD AND
22 WILL CONTINUE TO HAVE INTENSIVE INTERACTION WITH THE
23 SPONSOR, WITH THE INVESTIGATOR, AND WE ACTUALLY HAVE
24 DOCUMENTATION THAT WE HAVE BEEN ABLE TO LOOK AT IN
25 TERMS OF IND ISSUES, IN TERMS OF ANY ISSUES OR

BARRISTERS' REPORTING SERVICE

1 CONCERNS THAT AROSE. EVEN IF IT WAS AUTHORIZED TO
2 GO FORWARD, WE HAVE MANY WAYS TO WORK. WE HAVE
3 THEIR ANNUAL REPORT. WE HAVE ACCESS TO OTHER TYPES
4 OF CORRESPONDENCE. WE ALSO HAVE THE ABILITY TO
5 PARTICIPATE IN SOME WAY PERHAPS DOWNSTREAM FROM ANY
6 FDA MEETINGS OR TELECONS THAT TAKE PLACE. SO WE
7 WILL BE KEPT IN THE LOOP.

8 WE ACTUALLY HAVE A COMMUNICATION PLAN WITH
9 THE -- YOU KNOW, PARTICULARLY WITH THIS APPLICANT,
10 AND WE PRESUME TO HAVE THAT WITH FUTURE APPLICANTS
11 IN WHOM WE WORK IN TERMS OF HOW TO COMMUNICATE
12 INFORMATION ON SAFETY, ON MANUFACTURING, ON ANY OF A
13 VARIETY OF ISSUES THAT COULD TAKE PLACE.

14 IN ADDITION, AS I THINK YOU KNOW, ALL OF
15 THESE TRIALS HAVE INDEPENDENT DATA SAFETY MONITORING
16 BOARDS. WE WILL HAVE REAL-TIME REPORTING OF
17 INFORMATION TO US. YOU KNOW, THE CAVEAT, OF COURSE,
18 IS WE'RE NOT GETTING PERSONAL IDENTIFIERS, AND WE'RE
19 GETTING FREQUENT REPORTING OF ISSUES AS THEY ARISE.
20 IN ADDITION, WE HAVE PROACTIVE PLANS FOR
21 COMMUNICATION.

22 SO WE'RE NOT JUST TAKING IT FACE VALUE
23 THAT THE FDA SAID YES. WE ACTUALLY DO SEE
24 DOCUMENTATION. WE DO IN SOME INSTANCES ASK FOR
25 CORRESPONDENCE AND ACTUALLY SEE THAT. AND SO WE

BARRISTERS' REPORTING SERVICE

1 DEFINITELY HAVE A VERY ROBUST OVERSIGHT OF THOSE
2 TYPES OF ISSUES.

3 DR. WAGNER: I THINK THAT WILL BE HELPFUL.
4 IT'S JUST THAT WE DON'T HAVE THAT ALL HERE IN THIS
5 DOCUMENT TO KNOW. SO CERTAINLY MAYBE ALL THOSE
6 THINGS ARE COVERED, JUST THAT YOU COULDN'T TELL BY
7 LOOKING AT THIS DOCUMENT THAT ALL THOSE THINGS
8 EXIST.

9 THE OTHER THING IS, FOR EXAMPLE, YOU SAY
10 THAT ALL STUDIES REQUIRE DSMB. MAYBE I MISSED THAT.
11 I SEE THAT GERON SAYS THERE WILL BE ROBUST OVERSIGHT
12 WHICH INCLUDES STATE AND FEDERAL STATUTES,
13 REGULATORY AND OVERSIGHT BY IRB'S, AND POTENTIALLY
14 DSMB'S. SO, AGAIN, THERE'S A LITTLE BIT OF WIGGLE
15 ROOM THERE. I THINK IT'S A GOOD IDEA HAVING DSMB'S
16 FOR SUCH STEM CELL THERAPIES, BUT IT DOESN'T LOOK
17 LIKE IT'S MANDATED IN A WAY TO GET THE INDEPENDENT
18 OVERSIGHT OF THE REVIEW OF THE SAFETY PROFILE OF
19 WHATEVER NEW CELL THERAPIES ARE MOVING FORWARD AND
20 HOW THAT'S DECIDED BY CIRM FOR EACH INDIVIDUAL
21 PROJECT THAT COMES FORWARD.

22 AND MY OTHER COMMENT RELATED TO THIS IS
23 SAFETY REQUIREMENTS FOR CELL-BASED THERAPIES.
24 ADHERENCE TO PRINCIPLES OF GCP AND GMP IS ALL GREAT,
25 BUT HOW DO YOU HANDLE THE INCEST, ALTHOUGH YOU COULD

BARRISTERS' REPORTING SERVICE

1 JUST SIMPLY SAY, WELL, THE FDA FOUND IT WAS GOOD
2 ENOUGH.

3 DR. FEIGAL: NO. I SEE WHAT YOU'RE
4 SAYING. SO WE ACTUALLY HAVE A DETAILED PLAN FROM
5 THE COMPANY OR THE APPLICANT IN TERMS OF HOW THEY'RE
6 MONITORING, HOW THEY'RE AUDITING THIS BY ANOTHER
7 PARTY, A CRO. SO THERE'S ACTUALLY AUDITING PLANS IN
8 PLACE --

9 DR. WAGNER: OKAY.

10 DR. FEIGAL: -- FOR CHECKING COMPLIANCE.
11 AND WE WILL RECEIVE REPORTS OF IT. WE DIDN'T THINK
12 THIS WAS THE DOCUMENT TO PUT IN ALL THE OPERATIONAL
13 DETAILS OF HOW WE'RE GOING TO MONITOR THINGS. SO
14 PERHAPS YOU CAN GIVE US GUIDANCE. THERE'S A RATHER
15 LONG LIST OF THINGS THAT WE CHECK AND DO. AND
16 SOMETIMES IT WILL BE INDIVIDUALIZED ACCORDING TO THE
17 STAGE OF THERAPY, WHETHER IT'S THE FIRST-IN-HUMAN
18 EVER OR WHETHER IT'S AN EARLY PHASE CLINICAL TRIAL.

19 SO, YOU KNOW, THIS IS MORE OF AN UMBRELLA
20 DOCUMENT FOR CLINICAL TRIALS THAT CIRM IS FUNDING
21 AND THE PARAMETERS OVER WHICH WE WILL BE MONITORING
22 THEM AND EXPECTING THEM TO SUBMIT RESULTS.

23 DR. WAGNER: THIS IS JUST THE ELEMENTS. I
24 THINK THAT THAT'S -- I'M NOT SURPRISED, BUT I GUESS,
25 IT'S ONE THING -- I THINK THAT HAVING THIS DOCUMENT

BARRISTERS' REPORTING SERVICE

1 BE MORE OF AN UMBRELLA DOCUMENT IS PERFECTLY
2 REASONABLE; BUT I THINK IF THIS GROUP IS SIGNING OFF
3 AND ENDORSING THIS, I GUESS WHAT I WOULD HAVE
4 THOUGHT WOULD BE FROM -- WE JUST NEED TO BE
5 REASSURED THAT WHAT'S BEEN STATED HERE HAS ACTUALLY
6 BEEN DONE IN A WAY THAT OBJECTIVELY CAN ASSESS
7 WHETHER OR NOT THESE THINGS ARE BEING DONE.

8 AGAIN, I DON'T THINK YOU NEED TO PUT THAT
9 HERE. IT'S JUST THAT I THINK THAT THE GROUP NEEDS
10 TO KNOW THAT, YES, IT'S BEING DONE AS YOU'RE
11 DESCRIBING. SO THAT'S VERY HELPFUL.

12 AND ONE LAST THING I'M GOING TO MAKE A
13 COMMENT ON. DO YOU HAVE ANY OVERSIGHT OR DO YOU
14 HAVE ANY SPECIFIC REQUIREMENTS FOR THE MANUFACTURING
15 FACILITY ITSELF?

16 DR. FEIGAL: WE DON'T HAVE ADDITIONAL
17 SPECIFIC MANUFACTURING REQUIREMENTS FROM CIRM.

18 DR. WAGNER: NOT MANUFACTURING
19 REQUIREMENTS, BUT ANY REQUIREMENTS FOR THE TYPE OF
20 FACILITY THAT WOULD BE MANUFACTURING THE CELL
21 PRODUCT? SO, FOR EXAMPLE, DO YOU HAVE A LIST OF
22 WHAT THE ACCREDITATIONS MUST BE?

23 DR. OLSON: I KNOW THAT THE STATE OF
24 CALIFORNIA HAS ESSENTIALLY THE SAME TYPE OF
25 ACCREDITATION AS THE FDA DOES. SO, YOU KNOW, THAT

BARRISTERS' REPORTING SERVICE

1 WOULD BE AN EXPECTATION.

2 DR. LOMAX: THAT WAS PATRICIA OLSON FOR
3 THE RECORD COMMENTING.

4 DR. FEIGAL: I THINK YOUR SPECIFIC
5 QUESTION IS HOW DO WE DOCUMENT --

6 DR. OLSON: HOW DO WE DOCUMENT THAT?

7 DR. FEIGAL: -- TO MANUFACTURER. AND THAT
8 WOULD BE A PART OF OUR OVERSIGHT BEFORE WE LET MONEY
9 GO OUT THE DOOR IN TERMS OF MAKING SURE ALL THOSE
10 THINGS WERE IN PLACE.

11 DR. WAGNER: OKAY.

12 CHAIRMAN LO: IF I COULD JUST SAY
13 SOMETHING IN DIRECT RESPONSE TO I THINK WHAT BOTH
14 ROB AND JOHN WERE SAYING. IT SOUNDS LIKE THAT CIRM
15 IS ACTUALLY DOING A LOT MORE SORT OF ACTIVE
16 OVERSIGHT THAN MIGHT BE APPARENT FROM JUST READING
17 THIS RESOLUTION. AGAIN, I'M WONDERING IF A COUPLE
18 OF SENTENCES COULD BE ADDED TO SORT OF MAKE CLEAR
19 THAT IT'S NOT A MATTER OF JUST SORT OF TAKING -- I
20 FORGET HOW SOMEONE SAID IT -- TAKING FDA'S WORD THAT
21 ALL THESE REQUIREMENTS WERE MET, BUT THAT CIRM WILL
22 PLAY AN ACTIVE ROLE WITH THE SPONSOR AND WITH FDA
23 AND WITH THE INVESTIGATOR TO MAKE SURE THAT ALL
24 THESE REQUIREMENTS ARE CARRIED OUT.

25 THAT SEEMS TO BE WHAT YOU, IN FACT, DO,

BARRISTERS' REPORTING SERVICE

1 AND IT WAS A CONCERN THAT A COUPLE PEOPLE RAISED.
2 JUST TO SAY I DON'T THINK WE SHOULD LIST HERE ALL
3 THE THINGS YOU DO, BUT TO SAY YOU'RE GOING TO BE
4 DOING IT, I THINK, WOULD BE A GOOD THING.

5 DR. PRIETO: BERNIE, THIS IS FRANCISCO
6 PRIETO. I THINK THAT WOULD BE A GOOD IDEA, WOULD
7 HELP REASSURE PEOPLE. I DON'T KNOW IF WE'D ALSO
8 WANT TO SPECIFICALLY REFERENCE AS PER THE
9 REGULATIONS WE'VE PREVIOUSLY -- OR THE STANDARDS WE
10 PREVIOUSLY APPROVED IN THIS GROUP IN THAT SENTENCE
11 OR IN THAT STATEMENT.

12 DR. ROBERTS: I HAVE ONE OBSERVATION IS
13 THAT UNDER REPORTING RESULTS, THE RESOLUTION SAYS
14 WHEREAS, CIRM WILL PERFORM ONGOING MONITORING OF
15 TRIALS FOR SCIENTIFIC PROGRESS. AND I NOTED IN THE
16 MARGIN THERE SHOULD BE A SENTENCE LIKE THAT ABOUT
17 PROTECTION OF HUMAN SUBJECTS AND SAFETY. SO JUST,
18 AGAIN, A SENTENCE OR TWO THAT REFERS TO ONGOING
19 MONITORING. OR UNDER THE MONITORING PLAN, FOR
20 EXAMPLE, IT SAYS THAT CIRM REQUIRES THE SUBMISSION
21 OF DATA SAFETY MONITORING PLANS, BUT IT DOESN'T SAY
22 ANYTHING ABOUT FOLLOW-UP. SO I THINK EITHER AT THE
23 BEGINNING OR IN EITHER OF THOSE AREAS ADDING A
24 COUPLE SENTENCES WOULD BE GREAT.

25 DR. FEIGAL: OKAY. JUST SO YOU KNOW,

BARRISTERS' REPORTING SERVICE

1 WE'RE NOT -- WE ARE NOT -- YOU KNOW, WE HAVE X
2 NUMBER OF PEOPLE IN THIS INSTITUTE. SO WE'RE NOT
3 GOING TO BE ACTIVELY DOING THE MONITORING OURSELVES,
4 BUT THE SPONSOR HAS TO HAVE ACTIVE MONITORING. WE
5 RECEIVE REPORTS. SO I WANT TO MAKE CLEAR WE'RE NOT,
6 YOU KNOW, GOING OUT EN MASSE TO DO ALL THIS. WE
7 DON'T HAVE THE BODY COUNT HERE TO DO THAT. BUT THEY
8 DO HAVE PEOPLE IN THE FIELD THAT ARE DOING THAT, AND
9 WE ARE RECEIVING SUMMARIES. AND IF INDEED ISSUES
10 ARISE, WE WILL BECOME INFORMED OF IT AND THEN HOW IT
11 IS ADDRESSED AND RESOLVED. SO WE WILL GET THAT.

12 CHAIRMAN LO: I THINK THAT WOULD BE
13 IMPORTANT TO SAY, THAT YOU WILL GET THE RESULTS OF
14 THESE MONITORING PLANS AND REVIEW THEM CAREFULLY AND
15 MAKE IT -- RESPOND APPROPRIATELY SO THAT, AGAIN,
16 IT'S A VERY ACTIVE ROLE YOU'RE PLAYING WITHOUT DOING
17 THE ACTUAL MONITORING, BUT LOOK INTO RESULTS OF THE
18 MONITORING.

19 SO I THINK, DOROTHY, YOUR COMMENT ON BOTH
20 OF THOSE SECTIONS, DOROTHY AND FRANCISCO, YOUR
21 COMMENTS ON BOTH THOSE SECTIONS IS AN OPPORTUNITY TO
22 SORT OF CLARIFY THE WORDING TO MAKE IT CLEAR THAT
23 YOU'RE LOOKING -- CIRM WILL LOOK CAREFULLY AT THE
24 RESULTS OF THE MONITORING PLANS.

25 DR. FEIGAL: MAYBE WHAT WE CAN HAVE IS A

BARRISTERS' REPORTING SERVICE

1 PARAGRAPH CALLED DURING THE CONDUCT OF THE TRIAL
2 BECAUSE WHAT WE HAVE NOW IS WE SORT OF HAVE A GAP.
3 WE HAVE PLANS AND THEN WE HAVE RESULTS. WE CAN SAY
4 DURING THE CONDUCT.

5 DR. ROBERTS: EXACTLY. EXACTLY. I THINK
6 THAT WOULD --

7 DR. OLSON: CLARIFY THE ROLE OF THE FUNDER
8 WITH THE SPONSOR.

9 DR. FEIGAL: THE SPONSOR HAS THE ENORMOUS
10 RESPONSIBILITY, AND THEY'LL PRIMARILY BE MAKING SURE
11 ALL THESE PLANS, ALL THESE SUMMARIES OF THEIR REPORT
12 COME TO US, BUT THEY ARE THE ULTIMATE GROUP
13 RESPONSIBLE. AND AS RESPONSIBLE STEWARDS, BEING THE
14 FUNDERS, AND ALSO WANTING TO MAKE SURE THE PATIENTS
15 ARE SAFELY PROTECTED, WE'LL BE IN THE LOOP. IT'S
16 THE SPONSOR WHO'S ACTUALLY PUTTING TOGETHER ALL THE
17 REPORTS.

18 CHAIRMAN LO: OTHER COMMENTS FROM THE
19 COMMITTEE?

20 DR. KAMP: THIS IS TIM. AND I HAD AN
21 ISSUE WITH THE REPORTING OF THE RESULTS SECTION AS
22 WELL. AND MY CONCERN WAS THAT THE FINAL RESULT OF
23 THIS STUDY SHOULD BE MADE PUBLICLY AVAILABLE WHETHER
24 IT'S POSITIVE OR NEGATIVE. AND THE STATEMENT THAT
25 CIRM HAS THE EXPECTATION THAT RESULTS WILL BE

BARRISTERS' REPORTING SERVICE

1 SUBMITTED FOR A PUBLICATION IN A TIMELY MANNER IS
2 PRETTY SOFT. AND IF THE INVESTIGATORS DON'T WANT TO
3 PUBLISH, IT'S PRETTY EASY TO PUT IN A LOUSY
4 MANUSCRIPT TO GET SUBMITTED AND NOT ACCEPTED.

5 SO I WOULD THINK YOU MIGHT WANT TO BE A
6 LITTLE STRONGER TO SAY THAT THERE WILL BE SOME
7 PUBLIC DOCUMENTATION OF THE RESULTS OF THIS STUDY.

8 DR. TAYLOR: I WOULD AGREE.

9 DR. WAGNER: THIS IS JOHN. CIRM CAN
10 ACTUALLY PUBLISH IT.

11 DR. FEIGAL: WELL, YOU KNOW, THAT'S A GOOD
12 QUESTION. I MEAN WHEN I WAS BACK AT NIH, AS YOU
13 RECALL, VARMIS WAS TRYING TO GET A NATIONAL LIBRARY
14 OF MEDICINE PUBLICATION OF ALL RESULTS THAT WERE
15 FREE TO THE PUBLIC. AND SO WHAT HE'S GOTTEN SO FAR
16 IS THE REGISTRATION OF TRIALS AND SOME ASPECTS OF
17 THAT.

18 I THINK WHAT WE COULD DO, PARTICULARLY
19 WITH THE WORK THAT WE'RE DOING RIGHT NOW, THIS GROUP
20 ACTUALLY PRESENTS AN INTERIM UPDATE AT A SCIENTIFIC
21 CONFERENCE AND ACTUALLY SENT OUT A RELEASE ON THAT,
22 TO WHICH WE LINK. SO WE ALSO EXPECT THERE WILL BE
23 ONGOING INTERVAL PROGRESS BEING RECORDED AS
24 APPROPRIATE IF IT DOESN'T JEOPARDIZE THE INTEGRITY
25 OF ACTUALLY CONDUCTING THE TRIAL.

BARRISTERS' REPORTING SERVICE

1 WE CAN'T FORCE. I'VE ALSO BEEN ON THE
2 OTHER END WHERE YOU SUBMIT AND YOU CAN'T FORCE A
3 PUBLICATION. THE JOURNAL EDITORS, EVEN IF IT'S VERY
4 WELL WRITTEN, MAY OR MAY NOT DECIDE TO ACCEPT THAT
5 PAPER. SO WE'RE REQUIRING THEM TO SUBMIT RESULTS
6 FOR PUBLICATION. WE CAN LOOK INTO WHETHER CIRM, OR
7 PERHAPS WE COULD WORK WITH NIH, IF THERE'S SOME WAY
8 AS PART OF CLINICALTRIALS.GOV IS THEY'RE EXPECTED
9 EVEN IN THAT MANNER TO REPORT RESULTS.

10 DR. WAGNER: I CAN TELL YOU I'VE DEALT
11 WITH CLINICALTRIALS.GOV, AND THE WAY WE REPORT
12 RESULTS AT THE CONCLUSION OF THE TRIAL, THERE ARE
13 LOOPHOLES TO GET AROUND THAT.

14 DR. FEIGAL: I KNOW.

15 DR. WAGNER: AND WORKING WITH IT IS ALSO,
16 AT LEAST IN MY ONE EXPERIENCE OF HAVING COMPLETED
17 ONE TRIAL AND REPORTING THAT RESULT, IT IS NOT VERY
18 EASY TO GET THE DATA I THINK YOU'RE LOOKING FOR
19 BECAUSE IT'S NOT PRESENTED IN A WAY THAT WE'RE USED
20 TO READING.

21 SO IN ANY EVENT, I THINK THAT ONE EASY
22 WAY -- I KNOW THAT YOU GET ALL THE INVESTIGATORS
23 ANYWAY COMING TOGETHER AT CIRM AT VARYING TIME
24 POINTS IF THEY HAVE BEEN CIRM-FUNDED. THIS MAY BE A
25 WAY OF AT LEAST PUBLISHING RESULTS IN A REALLY NOT

BARRISTERS' REPORTING SERVICE

1 THAT DIFFICULT WAY. EVEN IF PUBLISHED ONLINE, IT
2 COULD BE DONE IN A WAY WHERE YOU COULD HAVE
3 MEANINGFUL DATA COME OUT AND ENSURE THE PUBLICATION
4 IS OUT THE WAY YOU WOULD LIKE IT.

5 MR. SHEEHY: CAN I COMMENT?

6 CHAIRMAN LO: OKAY. JEFF, AND THEN I JUST
7 WANT TO SAY THIS IS AN IMPORTANT TOPIC, AND WE HAVE
8 TWO PEOPLE HERE, ELONA AND PAT, ALSO HAVE IMPORTANT
9 COMMENTS TO MAKE. BUT, JEFF, WHY DON'T YOU GO AHEAD
10 AND WE'LL GO TO ELONA.

11 MR. SHEEHY: YEAH. SO CIRM IS FUNDING A
12 JOURNAL, RIGHT, A TRANSLATIONAL MEDICINE JOURNAL I
13 THINK THROUGH THE GROUP THAT FUNDS *CELL* -- THAT
14 PUBLISHES *CELL*. AND I THINK ANTHONY ATALA IS
15 SUPPOSED TO BE THE EDITOR OF THAT.

16 DR. FEIGAL: YOU'RE CORRECT. WE'RE
17 HELPING TO SUPPORT --

18 MR. SHEEHY: IT'S HARD WHEN YOU INTERRUPT
19 ME. SO I THINK TO GET -- BECAUSE WE'VE TALKED ABOUT
20 THIS FROM THE VERY BEGINNING IN VARIOUS CONTEXTS,
21 THAT WE NEED TO HAVE NEGATIVE RESULTS PUBLISHED.
22 AND THAT WAS EXPLICITLY THE RATIONALE THAT WAS
23 OFFERED FOR CIRM'S INVESTMENT IN A NEW JOURNAL. SO
24 PERHAPS, YOU KNOW, AS PART OF THIS RESOLUTION, WE
25 SHOULD REALLY TIGHTEN THAT LOOP. I MEAN GIVEN THAT

BARRISTERS' REPORTING SERVICE

1 WE'RE SUPPORTING THE ESTABLISHMENT OF A NEW JOURNAL
2 SPECIFICALLY TO PUBLISH NEGATIVE RESULTS AND THAT WE
3 HAVE THIS EXPECTATION THAT RESULTS WILL BE PUBLISHED
4 THAT WE'RE KIND OF SOFTLY EXPRESSING IN THIS
5 DOCUMENT, PERHAPS WE COULD TIGHTEN THIS RESOLUTION
6 TO BE STRONGER TO LINK IT AT LEAST TO THAT ONE
7 PUBLICATION THAT WE HAVE FUNDED TO PUBLISH THESE
8 TYPES OF RESULTS.

9 IF WE'RE FUNDING BOTH THE PUBLICATION AND
10 THE STUDIES, WE OUGHT TO BE ABLE TO GET THE NEGATIVE
11 RESULTS THAT WE FUNDED PUBLISHED IN THE PUBLICATION
12 THAT WE FUNDED TO PUBLISH NEGATIVE STUDIES.

13 CHAIRMAN LO: ELONA AND THEN PAT.

14 MS. BAUM: THANK YOU. I THINK THAT IT'S A
15 LAUDABLE GOAL TO GET NEGATIVE RESULTS, AND I THINK
16 IT COULD BE VERY HELPFUL IN ACCELERATING THE FIELD.
17 I ALSO WANT TO RECOGNIZE THAT THE PARTICIPATION OF
18 FOR-PROFITS AND INDUSTRY IN CIRM-FUNDED GRANTS IS
19 ESSENTIAL, I THINK, FOR THE SUCCESS OF THE MISSION.
20 A LOT OF THE REGULATORY KNOW-HOW, MANUFACTURING
21 KNOW-HOW, ETC., LIES WITHIN INDUSTRY. AND I KNOW
22 THAT INDUSTRY WILL BE WILLING IN MANY RESPECTS TO
23 PUBLISH A LOT OF INFORMATION, AND AS WE'VE SEEN,
24 THEY'VE ALREADY PROVIDED RESULTS AT AN INDUSTRY
25 MEETING.

BARRISTERS' REPORTING SERVICE

1 BUT I THINK WE REALLY HAVE TO LOOK VERY
2 CAREFULLY IN TERMS OF WHAT EXACTLY WE REQUIRE OF
3 THEM IN TERMS OF PARTICIPATING IN CIRM FUNDING
4 BECAUSE IF WE REQUIRE THEM TO DISCLOSE ANY
5 INFORMATION OTHER THAN WHAT THEY DEEM IS APPROPRIATE
6 AND SATISFACTORY TO THEIR GOAL, THEY MIGHT NOT WANT
7 TO PARTICIPATE IN OUR PROGRAM, WHICH WILL SLOW DOWN
8 THEIR RESEARCH. GETTING FUNDING FROM CIRM
9 ACCELERATES THE FIELD FORWARD; BUT IF THEY FEEL
10 THERE ARE TOO MANY STRINGS ATTACHED, AND THAT THIS
11 REQUIREMENT WOULD RUN COUNTER TO THEIR BUSINESS
12 OBJECTIVES, THE RESPONSIBILITIES THEY HAVE NOT ONLY
13 TO PATIENTS, BUT ALSO TO THEIR SHAREHOLDERS, I HAVE
14 SOME GRAVE CONCERNS ABOUT THE SCOPE OF ANY
15 REQUIREMENT AS IT WOULD APPLY TO A FOR-PROFIT
16 ENTITY.

17 DR. OLSON: SO I JUST WANTED TO MAKE THE
18 POINT THAT IN THE RFA FOR THE TARGETED CLINICAL
19 DEVELOPMENT AND PERHAPS IN SOME FORM IN ANY CLINICAL
20 PROGRAM GOING FORWARD, WE DID MAKE THE STATEMENT,
21 AND THIS SPEAKS TO ELONA'S POINT TO SOME EXTENT, IN
22 THAT NOT BEING TOO PRESCRIPTIVE, BUT BY SAYING WE
23 STATED CIRM WILL ALSO REQUIRE AWARDEES TO SHARE THE
24 RESULTS OF THEIR STUDY FOR THE BENEFIT OF THE FIELD.
25 SO IT DOES NOT SPECIFY THE FORUM IN WHICH THAT WILL

BARRISTERS' REPORTING SERVICE

1 HAPPEN, BUT IT IMPLIES THAT IT HAS TO BE SUCH THAT
2 IT COULD BE BENEFIT THE FIELD, WHETHER IT'S NEGATIVE
3 OR POSITIVE.

4 AND I DO THINK THAT'S AN IMPORTANT
5 CONSIDERATION. AND WE TRIED TO USE LANGUAGE THAT
6 GETS INFORMATION OUT THERE, BUT NOT NECESSARILY IN
7 THE CONTEXT OF A *NEW ENGLAND JOURNAL* ARTICLE.

8 DR. FEIGAL: I THINK THAT WHAT YOU'RE
9 SAYING IS, YOU KNOW, AND ALSO HAVING COME FROM A
10 FEDERAL GOVERNMENT INSTITUTION IN WHICH WE FUNDED
11 COMPANIES, IS THERE IS AN EXPECTATION THAT THEY WILL
12 PUBLISH IF THEY'RE USING TAXPAYER SUPPORTED DOLLARS.
13 SO I THINK WHAT WE CAN DO IS WE CAN DEFINITELY
14 STRONGLY ENCOURAGE AND EXPECT.

15 JEFF, I'M NOT SURE THAT WE WANT TO TIE IN
16 TIT FOR TAT WITH A PUBLICATION BECAUSE RIGHT NOW I'M
17 NOT SURE THAT'S A GOOD POSITION THAT WE SHOULD TAKE
18 WITH THE JOURNAL, BUT I THINK WE DEFINITELY SHOULD
19 DO EVERYTHING WE CAN TO MAKE SURE THAT RESULTS ARE,
20 AFTER A TRIAL IS COMPLETED AND THE RESULTS ARE
21 INTERPRETED, THAT THEY BE ASSEMBLED IN A WAY THAT
22 THE FIELD CAN BENEFIT FROM THE RESULTS OF TAXPAYER
23 SUPPORTED DOLLARS. AND WE AGREE WITH YOU 100
24 PERCENT THAT THAT SHOULD BE STRONGLY ENCOURAGED.

25 I THINK WE JUST NEED TO FIGURE OUT A

BARRISTERS' REPORTING SERVICE

1 VIABLE WAY TO MAKE THAT HAPPEN. I CAN VERY CLEARLY
2 TELL YOU THAT THE GROUP THAT WE'RE WORKING WITH HAS
3 EVERY INTENT TO DO THAT AND IS ACTUALLY SHARING THE
4 INFORMATION ALONG THE WAY AT SCIENTIFIC CONFERENCES,
5 NOT JUST INDUSTRY VENUES.

6 SO WE WILL WORK ON THIS ASPECT BECAUSE I
7 AGREE WITH YOU, THAT PUBLIC ACCESS TO TAXPAYER
8 SUPPORTED STUDIES IS AN IMPORTANT THING WE SHOULD
9 TRY AND PROMOTE.

10 MR. SHEEHY: BECAUSE I GUESS I'M NOT
11 UNDERSTANDING THE DISCONNECT. WE SPECIFICALLY --
12 THE OVERWHELMING RATIONALE FOR FUNDING A NEW JOURNAL
13 WAS TO GET NEGATIVE RESULTS PUBLISHED. I MEAN
14 THERE'S NO SHORTAGE OF JOURNALS THAT WILL PUBLISH
15 POSITIVE RESULTS. WE DECIDED TO FUND THE
16 ESTABLISHMENT OF A NEW JOURNAL TO PUBLISH NEGATIVE
17 RESULTS. AND I DON'T KNOW HOW WE CAN SPEND
18 CALIFORNIA TAXPAYER MONEY ON CLINICAL TRIALS AND NOT
19 REPORT THE RESULTS OF THE CLINICAL TRIALS THAT WE
20 HAVE FUNDED SOMEWHERE. THAT JUST DOESN'T SEEM
21 APPROPRIATE TO ME.

22 SO IF THIS IS NOT THE GROUP TO FINALIZE
23 THAT DISCUSSION, THIS DISCUSSION DOES NEED TO COME
24 TO A FAIRLY CLEAR CONCLUSION ABOUT WHAT OUR
25 EXPECTATIONS ARE FOR THE PUBLICATION OR THE

BARRISTERS' REPORTING SERVICE

1 DISSEMINATION OF NEGATIVE TRIAL RESULTS. THIS IS
2 NOT A NEW ISSUE FOR CIRM, AND I HONESTLY THOUGHT
3 THAT WE HAD COME TO A CONCLUSION ON THIS BY DECIDING
4 TO FUND THE JOURNAL. BUT IF THAT --

5 DR. FEIGAL: THAT'S --

6 MR. SHEEHY: I CAN'T FINISH MY THOUGHTS.
7 BUT IT WOULD BE HELPFUL IF WE COULD COME TO SOME
8 SORT OF CONCLUSION ON THIS.

9 DR. PRIETO: IF I COULD RESPOND TO THAT
10 JUST FROM THE POINT OF VIEW OF THIS GROUP, BUT ALSO
11 THE BOARD. I THINK THAT IS A BIG PART OF OUR
12 UNDERSTANDING. AND I THINK TO RESPOND TO ELONA'S
13 POINT, THE REASON THAT THIS IS AN ISSUE IS BECAUSE
14 RESULTS IN THE PAST HAVE NOT BEEN RELEASED WHEN THEY
15 WERE NEGATIVE, AND THAT LED TO SOME INAPPROPRIATE
16 BEHAVIOR, SHALL WE SAY. SO THIS IS A SAFEGUARD, AND
17 I THINK IT'S AN IMPORTANT ONE, THAT THIS JOURNAL OR
18 SOME OTHER VENUE, AND MAYBE THIS ISN'T THE PLACE TO
19 DISCUSS THIS IN DETAIL, BUT IT SHOULD BE UNDERSTOOD
20 THAT EVEN IF AN ARTICLE IS NOT PUBLISHED IN THE
21 JOURNAL, THAT IT'S CLEAR THAT THROUGH THIS OR SOME
22 OTHER VENUE, WE ARE RECEIVING THESE RESULTS AND
23 WE'RE GOING TO MAKE THEM AVAILABLE POSITIVE OR
24 NEGATIVE, THAT WE'RE GOING TO BE TRANSPARENT.

25 CHAIRMAN LO: LET ME TRY AND SORT OF

BARRISTERS' REPORTING SERVICE

1 DISTINGUISH THREE DIFFERENT STRANDS HERE THAT I
2 THINK I'M HEARING. I THINK THIS IS A VERY IMPORTANT
3 ISSUE, AND I THINK IT'S IMPORTANT TO HIGHLIGHT IT.

4 FIRST IS THE IDEA THAT NEGATIVE RESULTS
5 NEED TO BE DISSEMINATED AS WELL AS POSITIVE RESULTS.
6 SECOND IS THAT WE WOULD LIKE THERE TO BE -- THESE
7 RESULTS BE PRESENTED IN A WAY THAT ENABLES, FIRST OF
8 ALL, OTHER SCIENTISTS IN THE FIELD TO UNDERSTAND
9 THEM. AND MY OWN SENSE IS THAT PEER REVIEW IS --
10 PEER REVIEW ABSTRACTS AT MEETINGS AND PEER REVIEW
11 PUBLICATIONS ARE GOOD BECAUSE IT PROVIDES SOME LEVEL
12 OF ASSURANCE THAT THE DATA MEETS CERTAIN STANDARDS.
13 AND THE THIRD IDEA WAS THAT THESE RESULTS ALSO NEED
14 TO BE AVAILABLE TO THE PUBLIC AS WELL AS TO
15 SCIENTISTS.

16 I THINK NO ONE IS DISAGREEING THAT THIS
17 OUGHT TO HAPPEN, THAT CIRM-FUNDED, PUBLICLY FUNDED
18 CLINICAL TRIALS, THE NEGATIVE RESULTS SHOULD BE
19 DISSEMINATED AS WELL AS POSITIVE RESULTS. THEY
20 SHOULD BE SUBJECTED TO PEER REVIEW, AND ALSO THAT
21 THE PUBLIC AS WELL AS SCIENTISTS SHOULD HAVE ACCESS
22 TO THE RESULTS.

23 SO I THINK WE COULD CERTAINLY STRENGTHEN
24 THE LANGUAGE THAT HAS THE STRONG EXPECTATION THAT
25 RESULTS, NEGATIVE AS WELL AS POSITIVE, WILL BE

BARRISTERS' REPORTING SERVICE

1 DISSEMINATED, SUBMITTED FOR PUBLICATION IN PEER
2 REVIEW JOURNALS. AND THAT ONCE THESE RESULTS ARE
3 MADE AVAILABLE IN THAT WAY, THEY BE FURTHER -- THEY
4 BE MADE AVAILABLE TO THE PUBLIC, THAT THESE PEER
5 REVIEW ARTICLES BE AVAILABLE TO THE PUBLIC. AND
6 CIRM COULD CERTAINLY PLAY A ROLE IN PUBLIC
7 DISSEMINATION SOMETHING LIKE THE NIH.

8 AS A FORMER JOURNAL EDITOR, I MUST SAY I
9 SORT OF CAN UNDERSTAND HOW A JOURNAL EDITOR WOULD
10 WANT TO RETAIN CONTROL, EDITORIAL CONTROL, OVER
11 SUBMISSION. I THINK JOHN CAPTURED IT WELL, SAYING
12 YOU CAN ALWAYS ASSURE YOUR PAPER IS NOT PUBLISHED BY
13 SUBMITTING A REALLY LOUSY DRAFT. I ALSO DON'T THINK
14 TELLING THE EDITOR YOU'VE GOT TO PUBLISH IT EVEN IF
15 IT'S TERRIBLE IS GOOD EITHER.

16 BUT I THINK MAYBE WHAT WE SHOULD BE DOING
17 HERE IS REALLY STATING IN A MUCH STRONGER WAY THE
18 IMPORTANCE OF THIS REPORTING, AS I SAID, THE
19 NEGATIVE RESULTS, THE IMPORTANCE OF PEER REVIEW, AND
20 THE IMPORTANCE OF PUBLIC ACCESS SINCE IT WAS
21 PUBLICLY FUNDED. AND I THINK I AGREE WITH THOSE OF
22 YOU IN THE COMMUNITY SAID THIS. THOSE MEMBERS OF
23 THE SWG THAT ARE ALSO MEMBERS OF THE ICOC, AS THIS
24 CONTINUES, FROM THE STAFF LEVEL, WORKING OUT THE
25 DETAILS IS ALWAYS HARD, AND I THINK WE JUST NEED TO

BARRISTERS' REPORTING SERVICE

1 CLARIFY THIS IN A WAY THAT MAKES IT TRANSPARENT TO
2 EVERYBODY WHAT WE WANT TO HAPPEN.

3 OTHER COMMENTS ON THIS? I THINK THIS IS
4 AN IMPORTANT ISSUE, AND WE ONLY HAVE ABOUT 15
5 MINUTES LEFT, SO I JUST WANT TO MAKE SURE IF THERE
6 ARE OTHER ISSUES THAT PEOPLE HAVE, WE GET THOSE AS
7 WELL. SO I'LL THROW IT BACK TO THE SWG.

8 DR. ROBERTS: I HAVE A RELATED QUESTION
9 WHICH IS THE FOLLOWING WHEREAS. WHEREAS, CIRM
10 REGULATIONS REQUIRE A PLAN TO PROVIDE ACCESS TO
11 UNINSURED CALIFORNIANS WHEN TRIALS RESULT IN
12 EFFECTIVE THERAPIES. THIS IS THE ONLY ONE THAT JUST
13 SORT OF HANGS THERE, AND THERE'S NO FOLLOW-UP OR
14 ANYTHING. I SUPPOSE YOU COULD SAY IT'S INCLUDED IN
15 THE RESOLUTION WHICH REFERS TO EXISTING CIRM
16 REGULATIONS. BUT THE OTHERS, THERE'S MORE
17 EXPLANATION OF HOW CIRM IS GOING TO ABIDE BY THEM,
18 AND THIS ONE JUST HAS THE WHEREAS CLAUSE AND NOTHING
19 ELSE.

20 CHAIRMAN LO: IT DOESN'T HAVE THE ACTION
21 CLAUSE.

22 DR. ROBERTS: THERE'S NO ACTION.

23 MS. BAUM: THIS IS REALLY JUST A VERY
24 QUICK SUMMARY OF THIS ITEM OF OUR ROBUST IP
25 REGULATIONS WHICH WOULD APPLY TO BOTH FOR-PROFITS

BARRISTERS' REPORTING SERVICE

1 AND NONPROFITS. SO THIS DOCUMENT WASN'T MEANT TO
2 SET FORTH EVERY SINGLE REGULATION. IT WAS REALLY
3 ANSWERING THE QUESTION WHAT ADDITIONAL REGULATIONS
4 ABOVE AND BEYOND THOSE WHICH CURRENTLY EXIST AT CIRM
5 AND AT LAW ARE REQUIRED. THE CONCLUSION BEING THAT
6 IN LIGHT OF THE FACT THAT CIRM HAS A ROBUST SET OF
7 REGULATIONS IN ALL AREAS, WHETHER THEY BE IP AND
8 OTHERS WE DISCUSSED, AND IN LIGHT OF THE FACT THAT
9 THERE'S A ROBUST SET OF REGULATIONS AND STATUTES AT
10 THE FEDERAL AND STATE LEVEL, THE RESOLUTION
11 CONCLUDES THAT NO FURTHER ADDITIONAL REGULATIONS
12 WILL BE REQUIRED. SO WE DIDN'T GET INTO EVERY
13 SPECIFIC REGULATION OR MONITORING THE COMPLIANCE
14 WITH THEM. THOSE ARE ALL TAKEN CARE OF IN OTHER
15 CONTEXTS.

16 CHAIRMAN LO: I THINK DOROTHY'S SPECIFIC
17 COMMENT WAS WITH THE SYNTACTICAL CONSTRUCTION OF
18 THIS, SAYING THAT THERE'S A WHEREAS CLAUSE AND THE
19 OTHER SECTIONS HAVE WHAT I WOULD CALL AN ACTION
20 CLAUSE.

21 DR. ROBERTS: RIGHT.

22 DR. LOMAX: WE WILL ADD IT.

23 CHAIRMAN LO: THAT'S WHAT I THINK DOROTHY
24 IS SAYING.

25 DR. ROBERTS: YES. YES. BECAUSE

BARRISTERS' REPORTING SERVICE

1 OTHERWISE IT SEEMS LIKE THE OTHERS WERE PAID MORE
2 ATTENTION TO THAN THIS ONE, AND WE WOULDN'T WANT TO
3 LEAVE THAT IMPRESSION, I THINK.

4 DR. FEIGAL: OKAY.

5 DR. PRIETO: WE AGREE.

6 DR. ROBERTS: OKAY. THANKS.

7 CHAIRMAN LO: OTHER COMMENTS, THOUGHTS
8 FROM THE SWG?

9 DR. KAMP: THIS IS TIM KAMP AGAIN. TO
10 TOUCH ON THE ISSUE THAT ROB RAISED ABOUT THE SAFETY
11 OF THE DONOR LINE AND ISSUES RELATED TO THAT, I
12 THINK IT'S A GOOD CONSIDERATION ABOUT THE RISK OF
13 PROPAGATING GENETIC DEFECTS WITH CELL PRODUCTS, BUT
14 I THINK WE'RE AT THE SAME TIME LIMITED BY THE
15 CURRENT STATE-OF-THE-ART. AND UNDOUBTEDLY, JUST AS
16 IT HAS CHANGED FOR INFECTIOUS DISEASE TESTING, WE'LL
17 GET SMARTER AND SMARTER FOR GENETIC TESTING AND BE
18 ABLE TO MAKE SAFER AND SAFER PRODUCTS. BUT I JUST
19 THINK WHERE WE ARE CURRENTLY, IT'S HARD TO DO MUCH
20 MORE THAN IS ALREADY IN PLACE.

21 SO, FOR EXAMPLE, EVEN IF THE SPERM DONOR
22 WASN'T ANONYMOUS, THIS SPERM DONOR WAS KILLED IN AN
23 AUTO ACCIDENT TWO YEARS LATER, DIDN'T KNOW HIS
24 FOLLOW-UP HEALTH HISTORY, DO WE PULL OUT THAT CELL
25 LINE? IT STARTS TO GET HARD TO KNOW WHAT TO DO. SO

BARRISTERS' REPORTING SERVICE

1 I THINK WE JUST HAVE TO ACKNOWLEDGE THAT WE CAN'T
2 AVOID ALL POTENTIAL RISKS.

3 CHAIRMAN LO: GOOD. THANKS.

4 I JUST WONDER IF IT'S WORTH ADDING SOME
5 ADDITIONAL LANGUAGE HERE THAT PICKS UP ON WHAT TIM
6 SAYS. AGAIN, CIRM IS GOING TO BE ACTIVELY INVOLVED
7 AS THE FIELD MOVES FORWARD. AND AS THE SCIENCE
8 PROGRESSES, CIRM'S GOING TO BE INVOLVED WITH
9 RETHINKING SOME OF THESE MORE SPECIFIC THINGS THAT
10 ARE MUCH MORE SPECIFIC THAN THIS RESOLUTION AND NEED
11 TO BE READDRESSED. I THINK THAT IN ADDITION, MY
12 SENSE IS THAT THERE'S A LOT OF ACTIVE SORT OF
13 SCRUTINY AND MANAGEMENT THAT CIRM STAFF CARRIES OUT,
14 IF THERE'S SOME WAY OF REFERENCING THAT GENERALLY IN
15 THE DOCUMENT, I THINK THAT WOULD BE IMPORTANT
16 BECAUSE THIS WILL BE A PUBLIC DOCUMENT. I THINK
17 IT'S IMPORTANT THAT EVERYONE UNDERSTAND THAT THERE'S
18 A LOT MORE GOING ON THAN JUST THE SORT OF RECITATION
19 OF REGULATORY REQUIREMENTS.

20 I'M TRYING TO THINK OF HOW TO PROCEED NOW
21 BECAUSE WE'VE MADE A WHOLE LOT OF SUGGESTIONS.
22 UNFORTUNATELY I CAN'T SEE THE SWG, SO I CAN'T READ
23 YOUR EXPRESSIONS AND BODY LANGUAGE. BUT I THINK THE
24 REACTION HERE IN SAN FRANCISCO HAS BEEN NOT A
25 SUBSTANTIVE DISAGREEMENT. IF ANYTHING, IT'S JUST A

BARRISTERS' REPORTING SERVICE

1 MATTER OF NOT WANTING TO -- WANTING TO BE SURE THAT
2 ANY CHANGES IN LANGUAGE ARE CAREFULLY DONE AND DON'T
3 SORT OF ENTER INTO LEVELS OF DETAIL THAT REALLY
4 AREN'T APPROPRIATE FOR THIS KIND OF DOCUMENT.

5 SO I THINK THERE'S GOING TO BE SOME
6 REWRITING. I'M TRYING TO THINK, GEOFF, HOW BEST TO
7 MOVE THAT AHEAD AND HOW TO SORT OF INVOLVE THE SWG
8 IN LOOKING AT LANGUAGE THAT I THINK WILL BE CHANGED.
9 GEOFF HAS A COPY THAT'S GOT SCROLLS ALL OVER IT.

10 DR. LOMAX: THANK YOU, BERNIE. THIS IS A
11 DOCUMENT THAT, AGAIN, AS A RESOLUTION IS A
12 STATEMENT. WE DO HAVE, I THINK, A SERIES OF VERY
13 CONSTRUCTIVE, A SET OF CONSTRUCTIVE RECOMMENDATIONS
14 WHICH I BELIEVE WE CAN INCORPORATE INTO A REVISED
15 DRAFT OF THIS DOCUMENT. WE WOULD LIKE TO TAKE THIS
16 TO THE BOARD. AGAIN, THIS IS A RECOMMENDATION TO
17 THE ICOC IN JUNE. THIS IS -- AND WE HAVE, IN TERMS
18 OF THE ICOC REPRESENTATION, WE HAVE REPRESENTATION
19 ON THIS COMMITTEE THAT IS ALSO REPRESENTED ON THE
20 BOARD.

21 I WOULD PROPOSE THAT WE INCORPORATE THE
22 COMMENTS FROM TODAY, WE ALSO INCLUDE A DESCRIPTIVE
23 NARRATIVE THAT SUMMARIZES THE MEETING. THAT'S WHAT
24 WE'VE ALWAYS DONE WHEN WE'VE TAKEN ANY TYPE OF
25 STATEMENT OR PRODUCT OF THIS WORKING GROUP TO THE

BARRISTERS' REPORTING SERVICE

1 ICOC. WE CERTAINLY CAN GET -- THAT WOULD GET OUT TO
2 BOARD MEMBERS. THERE WOULD BE AMPLE TIME TO REVIEW
3 THAT, BUT I WOULD ENCOURAGE US TO MOVE THIS TO THE
4 ICOC IN JUNE GIVEN THE TIMELINE WE'RE WORKING ON.

5 I THINK THESE ARE -- THANK YOU VERY MUCH
6 FOR THE THOUGHTS AND THE INSIGHT. I THINK WE CAN DO
7 A LOT WITH WHAT WE RECEIVED FROM THIS MEETING AND
8 COME UP WITH A BETTER DOCUMENT, AND IT WILL REFLECT
9 THE SPIRIT.

10 MS. LANSING: CAN I SECOND THAT? I AGREE
11 WITH GEOFF'S RECOMMENDATION. I THINK WE REALLY NEED
12 TO MOVE THIS FORWARD BECAUSE OF WHAT'S GOING ON.

13 CHAIRMAN LO: LET ME MAKE A SUGGESTION AND
14 SORT OF FLOAT A TRIAL BALLOON FOR THE SWG. SO I
15 THINK WHAT I'M HEARING IS THAT WE MAY WANT TO HAVE
16 THE TEXT BE REVISED BY GEOFF IN ACCORDANCE WITH THE
17 DISCUSSION TODAY, BUT WE WANT TO MOVE FORWARD ON THE
18 RESOLUTION TO THE BOTTOM PARAGRAPH. I WANT TO
19 SUGGEST, I DON'T KNOW IF THIS MEETS ROBERTS RULES OF
20 ORDER OR NOT, BUT MAYBE ENCOURAGE ONE OF MY
21 COLLEAGUES ON THE SWG TO SUGGEST THAT WE SLIGHTLY
22 AMEND THE RESOLUTION AND JUST INSERT -- SO THE
23 RESOLUTION IS RESOLVED THAT THE EXISTING OVERSIGHT
24 INCLUDING BLAH, BLAH, BLAH PROVIDE ROBUST OVERSIGHT.
25 I'M JUST WONDERING IF BEFORE THE PROVIDE

BARRISTERS' REPORTING SERVICE

1 WE INSERT SOMETHING LIKE COMMA AS WELL AS ONGOING
2 CIRM, WHATEVER YOU WANT TO SAY, STAFF MONITORING.
3 WHAT WE HEARD IS IT'S NOT JUST THE EXISTING
4 REGULATIONS, BUT IT'S WHAT CIRM IS BRINGING IN
5 ADDITION IN TERMS OF THE WORK THE STAFF IS PUTTING
6 IN TO SORT OF MONITOR AND CHECK THINGS, THAT IT'S
7 IMPORTANT IN PROVIDING THE ASSURANCE. AND IF
8 THERE'S A WAY OF INCLUDING THAT IN THE RESOLUTION,
9 WHICH I THINK IS KEEPING WITH THE SPIRIT OF WHAT WE
10 WERE SAYING, SO THAT IT ACTUALLY REFLECTS WHAT STAFF
11 IS NOW DOING. IF THERE'S SOMEONE WHO'S BETTER AT
12 LANGUAGE THAN I COULD SUGGEST EXACTLY HOW TO WORD
13 THAT.

14 DR. LOMAX: WHAT I TOOK FROM THE
15 CONVERSATION, BERNIE, WAS THAT IN THAT SECTION
16 SOMEWHERE BOTH IN THE MONITORING PLAN SECTION AND
17 THEN THE DURING THE CONDUCT, WHICH IS THE PROPOSED
18 NEW SECTION, WE ARE GOING TO ARTICULATE A SET OF
19 PROGRAMMATIC PROCESSES THAT COME INTO PLAY WITH
20 GRANTS AND TRIALS OF THIS NATURE. AND THAT ONCE
21 WE'VE ARTICULATED THAT ABOVE, I THINK IT WOULD THEN
22 BE THE NEXT STEP OBVIOUSLY THEN TO INCORPORATE THE
23 THINKING OF THAT INTO THE RESOLUTION. SO I THINK
24 IT'S A PROCESS THAT FALLS DIRECTLY FROM THE COMMENTS
25 WE'VE RECEIVED, BUT IT'S CONDITIONED ON SORT OF

BARRISTERS' REPORTING SERVICE

1 AMENDING EXISTING SECTIONS AND DEVELOPING IT. SO
2 THAT WOULD COME OUT OF THE EDITING.

3 DR. TAYLOR: THIS IS JUST A SUGGESTION.
4 THIS IS ROB. I THINK THAT IF PHILOSOPHICALLY THIS
5 DOCUMENT WAS WRITTEN MORE IN A MORE FORWARD-THINKING
6 RATHER THAN THE EXTANT FDA REGULATIONS, IT WOULD BE
7 REASSURING PROBABLY TO EVERYONE. SO IT'S AS MUCH
8 STYLE AS IT IS SUBSTANCE, I THINK. AND I REALLY
9 APPRECIATE TIM'S COMMENTS. THIS IS A MOVING TARGET.
10 WE CAN'T KNOW EVERYTHING NOW, AND WE'RE GOING TO GET
11 BETTER AS WE GO FORWARD. AND I'M SURE OF THAT. BUT
12 THERE SHOULD BE SOMETHING WRITTEN IN HERE THAT KIND
13 OF CARRIES THAT SPIRIT THROUGH THE DOCUMENT.

14 CHAIRMAN LO: SO, AGAIN, I THINK WE CAN
15 CHANGE THE TEXT THAT COMES BEFORE THE LAST PARAGRAPH
16 TO REFLECT THAT, AND I'M WILLING TO WORK WITH GEOFF
17 AND OTHERS TO TRY AND DO THAT. I WAS JUST TRYING TO
18 FOCUS DIRECTLY AT THE RESOLUTION BECAUSE THAT'S
19 WHAT'S GOING TO -- WE NEED TO SORT OF MOVE ON THAT.
20 LET ME TRY ANOTHER LANGUAGE VARIANT.

21 SO BASED ON BLAH, BLAH, BLAH, WE'RE GOING
22 TO LIST EVERYTHING, AND THE LAST THING WOULD BE AND
23 EXISTING CIRM REGULATIONS, AS WELL AS CIRM STAFF
24 OVERSIGHT, PROVIDE STRONG ASSURANCE THAT CLINICAL
25 TRIALS WILL MEET THE HIGH STANDARDS, BLAH, BLAH,

BARRISTERS' REPORTING SERVICE

1 BLAH.

2 SO I JUST WANT TO SOMEHOW WORK INTO THE
3 RESOLUTION THE FACT THAT STAFF IS REALLY GOING TO BE
4 PUTTING THEIR EAGLE EYES AND THEIR THOUGHTS INTO
5 THIS. SO IT'S NOT JUST THE EXISTING STATUTORY,
6 REGULATORY OVERSIGHT, BUT IT'S THE WORK THAT CIRM
7 STAFF IS GOING TO DO.

8 DR. FEIGAL: IF YOU WANT, WE COULD
9 PUT -- I MEAN IT GOES AT A HIGH LEVEL OF ACTIVE
10 ENGAGEMENT WITH THE APPLICANT, WITH MULTIPLE
11 CONVERSATIONS. SO WE COULD PUT THAT IN IF THAT
12 WOULD --

13 CHAIRMAN LO: THIS IS A SUGGESTION. I
14 DON'T KNOW WHAT THE SWG THINKS OF THAT.

15 DR. PRIETO: I WOULD BE FINE WITH THAT.
16 DO WE NEED A MOTION?

17 MS. BAUM: IF WHAT YOU'RE TRYING TO DO IS
18 CREATE A MOTION, I DON'T THINK WE HAVE A QUORUM
19 HERE.

20 CHAIRMAN LO: WE HAVE A SENSE OF THE
21 COMMITTEE. I JUST WANT TO GET A SENSE OF THE
22 COMMITTEE. IS LANGUAGE LIKE THAT SOMETHING THAT
23 WOULD BE -- WE ARE COMMITTED TO REWORKING THE FIRST
24 PAGE.

25 MS. BAUM: I THINK YOU COULD TAKE IT

BARRISTERS' REPORTING SERVICE

1 FURTHER. I THINK YOU COULD START WITH WE APPROVE
2 THE RESOLUTION SUBJECT TO THE FOLLOWING.

3 CHAIRMAN LO: OKAY.

4 MS. LANSING: I LIKE THAT BETTER.

5 CHAIRMAN LO: OKAY.

6 MS. BAUM: THE CONDITION ONE BEING THAT IT
7 INCLUDE A REFERENCE TO CONTINUING CIRM OVERSIGHT;
8 TWO, THAT IT ONLY APPLIES WITH RESPECT, THIS IS AN
9 EARLIER COMMENT, TO FDA-GOVERNED CLINICAL TRIALS.
10 THAT WAS AN IMPORTANT ADD. THREE, THAT THERE IS
11 EMPHASIS ON THE SHARING OF RESULTS. FOUR, THAT WE
12 EXPAND THE ACCESS REQUIREMENTS SECTION TO INCLUDE AN
13 IMPLEMENTATION -- A STATEMENT ON IMPLEMENTATION.
14 AND I THINK --

15 CHAIRMAN LO: MAYBE ONE MORE JUST TO SORT
16 OF REFERENCE -- TO ACKNOWLEDGE THAT AS THE SCIENCE
17 ADVANCES, THAT WE ARE OPEN TO REVISITING SPECIFIC,
18 NOT THE RESOLUTION, BUT THE SPECIFICS. THAT WAS
19 GREAT, ELONA.

20 MS. FEIT: WAS THERE NEED TO PUT A COMMENT
21 IN THERE ABOUT THE CERTIFICATION OF FACILITIES, THAT
22 THEY MEET CERTAIN REQUIREMENTS?

23 CHAIRMAN LO: I WONDER IF THAT'S A LEVEL
24 OF DETAIL THAT WE DON'T NEED -- THAT WE WANT TO
25 LEAVE --

BARRISTERS' REPORTING SERVICE

1 DR. PRIETO: MAYBE NOT IN THIS RESOLUTION.

2 MS. FEIT: OKAY. I JUST BROUGHT THAT UP
3 AS A NOTE THAT I HAD ON SOME OF THE ISSUES THAT WERE
4 RAISED.

5 CHAIRMAN LO: SO, AGAIN, SINCE WE ARE
6 GETTING A SENSE OF THE COMMITTEE, DOES WHAT ELONA
7 SUGGESTED, DOES THAT CAPTURE THE SENSE OF THE
8 DISCUSSION? IT WILL GIVE GUIDANCE, I THINK, TO
9 GEOFF AND ME AS WE REWORK THIS. ANYTHING FROM THE
10 SWG THAT YOU'D WANT TO SORT OF ADD OR CORRECT ON
11 THAT?

12 MS. FEIT: I'M GOING TO HAVE TO LEAVE THE
13 CALL, BUT I FEEL COMFORTABLE WITH THE STATEMENTS
14 THAT WERE JUST MADE FOR THE PROPOSED RESOLUTION.

15 CHAIRMAN LO: OKAY. GREAT.

16 DR. LOMAX: BEFORE WE MAKE IT DEFINITIVE,
17 I KNOW IT'S TIME SENSITIVE, BUT WE SHOULD CHECK IF
18 THERE'S ANY PUBLIC AT ANY OF THE SITES ON THE LINE.

19 MS. FEIT: THERE'S NONE HERE AT MINE.

20 DR. LOMAX: WE HAVE A PUBLIC MEMBER HERE.
21 ANY PUBLIC COMMENT HERE?

22 CHAIRMAN LO: SO I WANT TO THANK ALL OF
23 YOU VERY MUCH. AND THE THREE MEMBERS OF OUR GROUP,
24 ACTUALLY FOUR OF YOU WHO ARE ACTUALLY ON THE ICOC,
25 WE'LL DEPEND ON YOU TO MAKE SURE THE ICOC

BARRISTERS' REPORTING SERVICE

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25

UNDERSTANDS OUR THINKING.
(THE MEETING WAS THEN CONCLUDED AT 12 P. M.)

BARRISTERS' REPORTING SERVICE

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 TELEPHONIC 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 ON FRIDAY, JUNE 10, 2011, 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.



BETH C. DRAIN, CSR 7152
BARRISTER'S REPORTING SERVICE
1072 BRISTOL STREET
SUITE 100
COSTA MESA, CALIFORNIA
(714) 444-4100