

BEFORE 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: ROBERTSON AUDITORIUM
1675 OWENS STREET
SAN FRANCISCO, CALIFORNIA

DATE: AUGUST 19 AND 20, 2009
4:30 P.M. AND 9:30 A.M.

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

BRS FILE NO.: 82475

BARRISTERS' REPORTING SERVICE

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BARRISTERS' REPORTING SERVICE

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SAN FRANCISCO, CALIFORNIA;
WEDNESDAY, AUGUST 19, 2009; 4:45 P.M.

CHAIRMAN KLEIN: WHAT WE'RE GOING TO DO
HERE, WHILE WE HAVE A FEW MEMBERS IN TRANSIT, WE'RE
GOING TO LAUNCH THIS MEETING AND COVER SOME OF THE
ITEMS THAT ARE INFORMATIONAL UPDATES FOR THE PUBLIC
AND FOR THE BOARD MEMBERS SO THAT WE CAN MOVE INTO
DEEP SUBSTANCE IMMEDIATELY UPON THE MEMBERS'
ARRIVAL.

I'D LIKE TO START BY WELCOMING EVERYONE TO
SAN FRANCISCO. WE DEEPLY APPRECIATE THE COOPERATION
OF THE MISSION BAY STAFF IN HELPING US FEEL AT HOME
HERE AND DIRECTING ALL OF OUR MEMBERS AS THEY COME
IN. IT'S BEEN A TREMENDOUS COOPERATIVE EFFORT TO
PULL THIS MEETING TOGETHER, AGAIN WITH MELISSA KING
AND JENNA PRYNE PUTTING IN A TREMENDOUS AMOUNT OF
WORK ORGANIZATIONALLY TO MAKE THIS A SUCCESS.

WE'RE GOING TO COVER BASIC BIOLOGY I
APPLICATIONS AND A NUMBER OF OTHER IMPORTANT ITEMS.
IF WE HAVE NO MEMBERS JOINING BY PHONE TONIGHT, BUT
WE WILL TOMORROW. THE PROCEEDINGS BOTH DAYS ARE
BEING AUDIOCAST AND MADE AVAILABLE BY THE INTERNET.

MELISSA, WOULD YOU PLEASE LEAD US IN THE
PLEDGE OF ALLEGIANCE.

BARRISTERS' REPORTING SERVICE

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(THE PLEDGE OF ALLEGIANCE.)

CHAIRMAN KLEIN: MELISSA, EVEN THOUGH WE
DON'T HAVE A FULL QUORUM, PLEASE CALL THE ROLL, AND
THEN WE'LL AUGMENT THE ROLL AS MEMBERS SHOW UP.

MS. KING: DONALD DAFOE FOR RICARDO AZZIZ.

DR. DAFOE: HERE.

MS. KING: ROBERT PRICE FOR ROBERT
BIRGENEAU.

DR. PRICE: HERE.

MS. KING: FLOYD BLOOM. DAVID BRENNER.

DR. BRENNER: HERE.

MS. KING: WILLIAM BRODY. JACOB LEVIN FOR
SUSAN BRYANT.

DR. LEVIN: HERE.

MS. KING: MARCY FEIT.

MS. FEIT: HERE.

MS. KING: MICHAEL FRIEDMAN. LEEZA
GIBBONS.

MS. GIBBONS: HERE.

MS. KING: MICHAEL GOLDBERG. SAM HAWGOOD.

DR. HAWGOOD: HERE.

MS. KING: BOB KLEIN.

CHAIRMAN KLEIN: HERE.

MS. KING: SHERRY LANSING. GERALD LEVEY.
TED LOVE.

BARRISTERS' REPORTING SERVICE

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DR. LOVE: HERE.

MS. KING: ED PENHOET. PHIL PIZZO.
CLAIRE POMEROY.

DR. POMEROY: HERE.

MS. KING: FRANCISCO PRIETO. ELIZABETH
FINI FOR CARMEN PULIAFITO.

DR. FINI: HERE.

MS. KING: ROBERT QUINT. JEANNIE FONTANA
FOR JOHN REED.

DR. FONTANA: HERE.

MS. KING: DUANE ROTH.

MR. ROTH: HERE.

MS. KING: JOAN SAMUELSON.

MS. SAMUELSON: HERE.

MS. KING: DAVID SERRANO-SEWELL. JEFF
SHEEHY.

MR. SHEEHY: HERE.

MS. KING: JONATHAN SHESTACK. OSWALD
STEWARD. AND ART TORRES.

MR. TORRES: HERE.

CHAIRMAN KLEIN: THANK YOU VERY MUCH.

SINCE OUR LAST MEETING, WE HAD THE
OPPORTUNITY TO REVIEW THE REVISED NIH GUIDELINES.
IT IS EXTRAORDINARILY IMPORTANT THAT THOSE
GUIDELINES CAPTURE ESSENTIALLY ALL OF THE COMMENTS

BARRISTERS' REPORTING SERVICE

1 THAT OUR AGENCY PUT FORTH. ADDITIONALLY, IT'S
2 EXTRAORDINARILY IMPORTANT THAT THERE WAS A HIGH
3 CONSENSUS OF THE INTERSTATE ALLIANCE. AND GEOFF
4 LOMAX OF OUR STAFF IS ONE OF THE CO-CHAIRS OF THE
5 INTERSTATE ALLIANCE, SO THERE WAS TREMENDOUS
6 COORDINATION BETWEEN OUR AGENCY AND OTHER LEADING
7 STATES IN THEIR SUBMISSION.

8 THE CONSISTENCY AND QUALITY OF THOSE
9 REPORTS, LED BY THE EXTENSIVE SUBMISSIONS MADE BY
10 THIS AGENCY, HAVE LED TO FEEDBACK TO US FROM THE NIH
11 INDICATING THAT OUR LEADERSHIP ROLE THROUGH OUR
12 SCIENTIFIC STAFF WAS EXTREMELY IMPORTANT IN THEM
13 BEING ABLE TO DOCUMENT THE VALUE OF GRANDFATHERING
14 THIS BROAD SPECTRUM OF LINES AND FOLLOWING PROTOCOLS
15 THAT OUR STANDARDS COMMITTEE FELT WERE APPROPRIATE.

16 SO IT IS APPROPRIATE AT THIS MEETING TO
17 THANK OUR SCIENTIFIC STAFF AND PARTICULARLY GEOFF
18 LOMAX FOR HIS TREMENDOUS WORK EFFORT IN
19 ACCOMPLISHING THAT. LET'S GIVE THEM A HAND OF
20 APPLAUSE.

21 (APPLAUSE.)

22 CHAIRMAN KLEIN: THERE WAS, I WOULD SAY,
23 AN EXTREMELY HIGH VOLUME OF IDEOLOGICAL INPUT TO
24 THAT PROCESS. AND GIVEN THE STRONG CONSENSUS
25 SCIENTIFICALLY AMONG THE INSTITUTIONS, NIH INDICATED

BARRISTERS' REPORTING SERVICE

1 THEY WERE ABLE TO GET PAST THAT, AND CERTAINLY THEIR
2 FINAL NIH GUIDELINES DEMONSTRATES THAT RESULT.

3 MOVING THIS MEETING FORWARD, I'D LIKE TO
4 ASK DR. TROUNSON TO PROVIDE THE PRESIDENT'S REPORT,
5 AND I WILL SAVE SOME OF MY COMMENTS TO A LATER TIME.
6 DR. TROUNSON.

7 DR. TROUNSON: THANK YOU VERY MUCH, CHAIR.
8 AND I THINK IT'S -- THIS IS GOING TO BE QUITE AN
9 INTERESTING MEETING, I THINK, BECAUSE THIS IS WHERE
10 WE'RE STARTING TO PUSH VERY HARD INTO OUR
11 TRANSLATIONAL PROGRAM. SO I THINK IT'S GOING TO BE
12 READILY APPARENT BY SOME OF THE ISSUES THAT HAVE
13 BEEN RAISED, AND I HOPE YOU WILL BE SUPPORTIVE OF
14 THIS STRONG MOVE THAT WE'RE MAKING.

15 SO AS I USUALLY DO, I WANT TO OPEN WITH
16 SOME OF THE SCIENCE, IF WE MAY, MELISSA. AND I'VE
17 CHOSEN, AGAIN, A NUMBER OF REPORTS THAT HAVE COME
18 OUT IN THE SCIENCE LITERATURE. THE FIRST ONE YOU
19 WILL BE WELL AWARE OF BECAUSE IT'S THE LAFERLA LAB
20 AT UC IRVINE FOR THEIR WORK ON NEURAL STEM CELLS AND
21 IMPROVING COGNITION IN AN ANIMAL MODEL OF
22 ALZHEIMER'S DISEASE, AND THAT COGNITION IN THOSE
23 ANIMALS, BRINGING BEHAVIOR BACK TOWARDS NORMAL, IS
24 REALLY SPECTACULAR.

25 AND THEY SHOWED THAT THEY COULD ACHIEVE

BARRISTERS' REPORTING SERVICE

1 THAT ALMOST AT THE SAME LEVEL BY USING A TROPHIC
2 FACTOR CALLED BRAIN-DERIVED NEUROTROPHIC FACTOR. SO
3 THIS SET OF EXPERIMENTS IS PUBLISHED IN THE
4 *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES* IN
5 JULY, AND I THINK IT'S A PAPER THAT EVERYONE'S BEEN
6 LOOKING FORWARD TO. WE KNOW IT BETTER THAN PROBABLY
7 MOST PEOPLE. BUT THEY SHOWED THAT BY USING
8 TRANSPLANTATION OF NEONATAL STEM CELLS OUT OF THE
9 VERY YOUNG MOUSE WHERE YOU CAN ACTUALLY OBTAIN LARGE
10 NUMBERS OF NEURAL STEM CELLS, IF THEY TRANSPLANTED
11 THOSE INTO A MODEL OF ALZHEIMER'S DISEASE, AN
12 INTERESTING MODEL THAT THEY HAVE, THEY'RE ABLE TO
13 SHOW THAT DESPITE ALL OF THE AMYLOID PLAQUES AND
14 TANGLED MORPHOLOGY THAT EXISTS, IT DIDN'T SHOW ANY
15 REAL EFFECT ON THAT, BUT THERE WAS A TREMENDOUS
16 CHANGE IN THE LEARNING AND MEMORY DEFICITS IN THOSE
17 ANIMALS.

18 THAT WAS REALLY A BIG SURPRISE. AND THEY
19 WENT BACK TO SEE WHAT WAS IT THAT WAS HAVING THIS
20 IMPACT. AND THEY LOOKED AT THE BDNF MOLECULE. IT'S
21 A NEUROTROPHIC FACTOR THAT IS PRESENT. AND THEY
22 SHOWED THAT THEY'RE ABLE TO GET THE -- RETAIN THE
23 FUNCTION OF BEHAVIOR IN THESE MICE BY USING
24 INJECTIONS OF BDNF. SO THIS IS REALLY INTERESTING,
25 AND I THINK WE'RE GOING TO SEE SOME DEVELOPMENTS IN

BARRISTERS' REPORTING SERVICE

1 THIS AREA REALLY BECAUSE IT IS THOUGHT THAT
2 ALZHEIMER'S REALLY WAS AN ISSUE WHERE YOU REALLY HAD
3 TO CORRECT THE MORPHOLOGY. WHETHER THAT'S TRUE OR
4 NOT, I THINK IN THE LONG TERM WE'LL HAVE TO WAIT AND
5 SEE. BUT AT LEAST IN THIS MODEL OF ALZHEIMER'S
6 DISEASE, THEY GOT SOME SPECTACULAR EFFECTS.

7 AND I THINK IT FITS RATHER NICELY WITH A
8 PAPER I SHOWED YOU EARLIER ON FROM THE GENENTECH
9 GROUP, WHICH WAS LOOKING AT THE FACTORS ASSOCIATED
10 WITH THE LOSS OF THESE NEUROTROPHIC FACTORS. IF
11 THERE WAS A DEFICIT OF THOSE IN ANIMALS, YOU'VE GOT
12 THE KIND OF DEATH RECEPTOR RESPONSES THAT KILL
13 NEURONS THAT WAS VERY TYPICAL OF ALZHEIMER'S
14 DISEASE. SO ADD THESE TWO TOGETHER AND IT'S
15 STARTING TO LOOK LIKE A VERY LOGICAL AND INTERESTING
16 STORY. AND HOPEFULLY WE'LL BRING SOME OPTIMISM, I
17 THINK, TO TREATMENTS FOR ALZHEIMER'S DISEASE IN THE
18 FUTURE.

19 THE NEXT SLIDE IS NOT SUCH A GOOD STORY,
20 BUT I DON'T THINK I SHOULD ALWAYS BRING GOOD STORIES
21 TO YOU. I THINK IT WAS A VERY IMPORTANT PAPER AND
22 ONE WHICH WE'LL SEE THESE KIND OF THINGS HAPPEN, I
23 THINK, IN AN UNPREDICTABLE WAY. BUT THIS GROUP HAD
24 BEEN TRYING NEURAL TRANSPLANTS IN PATIENTS WITH
25 HUNTINGTON'S DISEASE. CLEARLY HUNTINGTON'S DISEASE

BARRISTERS' REPORTING SERVICE

1 IS A TERRIBLE, TERRIBLE DISEASE, BUT NOT VERY MUCH
2 TREATMENT AVAILABLE. AND AS YOU KNOW, YOU'VE HEARD
3 FROM IN THE PROGRAMS PUT TO YOU IN THESE MEETINGS
4 THAT WE'RE LOOKING -- WE'RE REALLY LOOKING HARD FOR
5 SOMETHING THAT MIGHT HELP THESE PATIENTS.

6 WELL, THESE WERE PATIENTS WHO WERE BEING
7 TREATED WITH FETAL STRIATAL TRANSPLANTS, FETAL BRAIN
8 TRANSPLANTS, INTO THE STRIATUM TEN YEARS AGO. SO
9 IT'S TEN YEARS, A DECADE, SINCE THEY PUT THESE
10 TRANSPLANTS IN THERE.

11 NOW, THE OUTCOME FOR THESE PATIENTS, TWO
12 OUT OF THE THREE PATIENTS THAT THEY LOOKED AT IN
13 DETAIL WAS VERY DISAPPOINTING. THE GRAFTS UNDERWENT
14 DEGENERATIVE CHANGES SIMILAR TO HUNTINGTON'S DISEASE
15 WITH ACTUALLY A PREFERENTIAL LOSS OF THE PROJECTION
16 NEURONS, WHICH ARE THE ONES THAT ARE LOST IN THIS
17 DISEASE AND THE ONES THAT ARE SUFFERING BADLY. AND
18 THE ALLOGRAFTS DEGENERATED MORE RAPIDLY THAN THE
19 PATIENT'S OWN NEURONS, PARTICULARLY THOSE PROJECTION
20 NEURON SUBTYPES.

21 SO THESE STARTED TO RAISE UNCERTAINTY
22 ABOUT THIS TYPE OF APPROACH AS A THERAPEUTIC FOR
23 HUNTINGTON'S DISEASE. AND IT IS ONE WHICH WILL
24 CLEARLY BE REFLECTIVE IN THE FDA AND REGULATORY
25 AUTHORITIES WHEN FURTHER DEVELOPMENTS COME FORWARD

BARRISTERS' REPORTING SERVICE

1 FOR STEM CELL TRANSPLANTS.

2 SO WHAT I WOULD SAY HERE IS THAT THIS
3 OUTCOME IN HUNTINGTON'S DISEASE IS SIGNIFICANTLY
4 DIFFERENT THAN THE OUTCOME OF NEURAL TRANSPLANT IN
5 PARKINSON'S DISEASE WHERE THERE IS NO INDICATION OF
6 SUCH A THING HAPPENING. SO MAY WELL BE ASSOCIATED
7 WITH THE DISEASE, AND CLEARLY THERE COULD VERY WELL
8 BE VERY DIFFERENT TYPES OF DISEASES THAT HAVE TO BE
9 TREATED IN DIFFERENT WAYS. AND IT MAY BE THAT THE
10 SITUATION IN THE BRAIN OF THESE PATIENTS IS REALLY
11 NOT SUPPORTIVE OF THOSE TRANSPLANTS, AND CLEARLY
12 THIS MIGHT BE -- IMMUNOLOGISTS, COLLEAGUES OF MINE,
13 HAVE SAID THAT THEY FELT THAT THIS ALSO PROBABLY
14 INCLUDES AN IMMUNE COMPONENT IN THAT RESPONSE LOSS.

15 SO I THINK IT IS AN INTERESTING PAPER. I
16 THINK IT'S ONE WE NEED TO REFLECT ON. AND I BRING
17 IT TO YOU BECAUSE I THINK YOU NEED TO GET THE WHOLE
18 PERSPECTIVE OF WHAT'S GOING ON.

19 MS. SAMUELSON: I THINK THIS IS REALLY
20 IMPORTANT TO OUR WORK, AND I THINK IT'S A BETTER
21 WORD THAN ATTITUDE, BUT THAT'S IN THE BALLPARK OF
22 WHAT I'M TALKING ABOUT. IT SEEMS TO ME THAT THIS IS
23 EXACTLY WHAT WE WANT SCIENTISTS TO BE DOING. WE
24 WANT THEM TO GO OUT THERE AND DARE TO TAKE A RISKY
25 STEP THAT THEY DON'T KNOW IS GOING TO SUCCEED AND

BARRISTERS' REPORTING SERVICE

1 SEE IN THE RESULTS SUCCESSES IN THAT THEY'VE MOVED
2 THE SCIENCE AHEAD, RIGHT?

3 DR. TROUNSON: RIGHT.

4 MS. SAMUELSON: THAT PREFERENTIAL LOSS MAY
5 BE THE KEY TO SOMETHING ABOUT THE PATHOLOGY OF
6 HUNTINGTON'S, RIGHT?

7 DR. TROUNSON: EXACTLY.

8 MS. SAMUELSON: AND I'M ALSO SEEING THIS
9 AS MARGINAL AND WHATEVER IT WAS, SOMETHING,
10 INTRANSIENT CLINICAL BENEFITS, MAYBE THERE WAS ALSO
11 SOME HINT ABOUT THE REAL EFFECTIVE THERAPY
12 DOWNSTREAM WHEN THEY CAN CORRECT SOMETHING ELSE.
13 THEY MAY HAVE A WEALTH OF NEW INFORMATION, AND
14 THAT'S POSSIBLE, CHEERED, I WOULD THINK. IT SEEMS
15 LIKE IT'S ABOUT THE CULTURE OF WHAT WE'RE SUPPORTING
16 THAT REWARDS THAT RISKY ATTITUDE AND EFFORT.

17 DR. TROUNSON: RIGHT. AND SO I THINK
18 YOU'RE EXACTLY RIGHT. AND THAT WAS -- THE PAPER
19 DREW OUR ATTENTION TO THAT, THAT THIS MAY HELP IN
20 THE MODELING WITH HUNTINGTON'S DISEASE. AND VERY
21 SPECIFICALLY, WE NEED TO BE CERTAIN ABOUT WHAT IS
22 THE ENVIRONMENTAL SITUATION THAT'S LEADING TO THE
23 PREFERENTIAL LOSS AND DAMAGE OF THE TRANSPLANT. AND
24 IT MAY BE AN IMMUNE -- MAY BE MUCH MORE SENSITIVE IN
25 AN IMMUNE WAY. OF COURSE, YOU MAY BE GETTING IT

BARRISTERS' REPORTING SERVICE

1 JUST BECAUSE THE DISEASE AMPLIFIES ANY IMMUNE
2 DIFFERENCES AND CAUSES THAT. ALL TO BE FOUND OUT.
3 JOAN, AS YOU SAY, WITHOUT THAT, WE COULD DO A WHOLE
4 LOT OF ANIMAL EXPERIMENTS AND NOT REALLY HAVE THIS
5 INCORPORATED INTO OUR THINKING.

6 CHAIRMAN KLEIN: DR. TROUNSON, I THINK FOR
7 CONTEXT FOR WHEN THE TRANSCRIPT COMES OUT SO THAT
8 THIS QUOTE ISN'T TAKEN OUT OF THE BROADER CONTEXT
9 THAT I KNOW JOAN IS ALWAYS WORKING WITHIN, JOAN IS
10 TALKING ABOUT COURAGE WITH ALL THE RISK
11 MINIMIZATIONS AND FDA APPROVALS THAT ARE NECESSARY
12 WITH ALL THE SAFETY STEPS BEING TAKEN. SO IT IS
13 TAKING A RISK WHEN YOU'VE MINIMIZED EVERY RISK
14 POSSIBLE OR REASONABLY POSSIBLE AND HAVE FULL FDA
15 APPROVAL. I THINK THAT'S THE CONTEXT JOAN IS
16 TALKING ABOUT COURAGE.

17 MS. SAMUELSON: IT'S NOT BELITTLING THE
18 RISK OR TRYING TO PRETEND IT'S NOT THERE. IT'S
19 ACKNOWLEDGING THAT IT IS AN ESSENTIAL INGREDIENT.
20 AND NOT ONLY THAT, BUT WE CAN ACCEPT A LOT OF THAT
21 RISK AND FAILURE, SO-CALLED FAILURE, ALONG THE WAY
22 WHEN IT ISN'T REALLY FAILURE BECAUSE PEOPLE ARE
23 SUFFERING AND DYING AT THE SAME TIME. AND WE -- IF
24 WE DON'T DO THIS AS AGGRESSIVELY AS WE CAN, MORE OF
25 THEM ARE GOING TO SUFFER AND DIE. SO TO BE PASSIVE

BARRISTERS' REPORTING SERVICE

1 ABOUT IT IN THE FACE OF THIS DIFFICULT SCIENTIFIC
2 DIFFICULTY ISN'T HELPING ANYBODY. TO THE CONTRARY.

3 DR. TROUNSON: SO, YOU KNOW, I THINK IT
4 WILL BE INTERESTING WHEN WE LOOK A LITTLE FURTHER
5 DOWNSTREAM WITH OUR DISEASE TEAMS BECAUSE ONE OF THE
6 STRATEGIES IS DIFFERENT TO THE NEURAL CELL
7 TRANSPLANTS, AND I THINK THAT'S A QUITE DIFFERENT
8 APPROACH. AND SO WE MAY HAVE TO LOOK AT THE KINDS
9 OF APPROACH WITHIN THE FRAMEWORK BECAUSE WE'VE
10 CLEARLY GOT TO GO TO FDA AT SOME POINT IN TIME TO
11 GET APPROVAL TO DO THIS.

12 NEXT SLIDE IS THERE ARE A NUMBER OF
13 REPORTS, AND I'M GIVING YOU TWO OF THEM, THAT IPS
14 CELLS, THE INDUCED PLURIPOTENTIAL STEM CELLS, CAN
15 SUPPORT FULL-TERM DEVELOPMENT OF TETRAPLOID
16 BLASTOCYSTS COMPLEMENTATION, A HECK OF A MOUTHFUL.
17 SHOWN DOWN ON THE BOTTOM OF THE RIGHT-HAND SCREEN
18 YOU SEE A BLASTOCYST. NOW, THAT BLASTOCYST, WHEN
19 THEY'RE DOING THIS WORK, THAT BLASTOCYST IS
20 TETRAPLOID, THAT IS, THEY'VE DOUBLED UP ON THE
21 CHROMOSOMES, AND THEY MULTIPLIED THE CHROMOSOMES BY
22 TWO, SO THERE'RE FOUR IN INSTEAD OF TWO IN.

23 NOW, THESE FOUR-IN BLASTOCYSTS CAN PRODUCE
24 PLACENTA, BUT CAN'T PRODUCE A FETUS, RIGHT. SO
25 THEY'RE INCAPABLE OF PRODUCING ANY EMBRYONIC

BARRISTERS' REPORTING SERVICE

1 COMPONENT, BUT THEY CAN PRODUCE A PLACENTA.

2 SO THE RED CELLS THAT ARE BEING INJECTED
3 IN THERE ARE CELLS, IN THIS CASE IPS CELLS, THAT CAN
4 MAKE AN EMBRYO. SO WHAT YOU'VE DONE IS A
5 COMPLEMENTARY PROCEDURE, AN EXPERIMENTAL PROCEDURE.
6 IT'S TERRIFIC STUFF. I USED TO DO THIS IN MY OWN
7 LAB. I LOVE THIS SORT OF EXPERIMENT, SO THAT'S WHY
8 I'VE GOT A PICTURE OF IT THERE. IN A SENSE IT'S A
9 VERY SIMPLE AND NOT TOO COMPLICATED PROCEDURE. BUT
10 OUT OF THAT THE MOUSE SHOWN THERE ON THE LEFT IS
11 TOTALLY DERIVED OF IPS CELLS. IT'S GOT NO OTHER
12 CELLS IN IT, RIGHT. IT'S NOT A CHIMERA. IT'S MADE
13 COMPLETELY FROM THE IPS CELLS BECAUSE THE PLACENTAL
14 PART WAS DISCARDED, OF COURSE, AT BIRTH, RIGHT. SO
15 THE TETRAPLOID PART IS GONE, AND THE EMBRYO IS NOW
16 THE MOUSE.

17 NOW, I BRING THAT TO YOUR ATTENTION
18 BECAUSE IT'S BEEN A DIFFICULTY IN THIS AREA TO DO
19 THAT. WE'VE BEEN ABLE TO DO THAT WITH EMBRYONIC
20 STEM CELLS, AND IT'S BEEN SAID THAT THERE'S A BIG
21 DIFFERENCE BETWEEN IPS CELLS AND EMBRYONIC STEM
22 CELLS IN THIS CHARACTERISTIC. CLEARLY THESE TWO
23 PAPERS AND THERE'S A THIRD PAPER IN ADDITION TO
24 THAT -- SORRY. THERE'S THREE PAPERS UP THERE, THREE
25 DIFFERENT PAPERS, ONE OF THOSE FROM SCRIPPS GROUP.

BARRISTERS' REPORTING SERVICE

1 IT WAS IN *NATURE LETTERS* IN AUGUST, SO ONE OF THE
2 GROUPS THAT WE'VE BEEN SUPPORTING AT SCRIPPS. AND
3 IT SHOWS THAT THESE CELLS HAVE A CAPABILITY OF
4 INFORMING -- PRODUCING A WHOLE ANIMAL AND THAT
5 ANIMAL CAN BREATHE. YOU CAN'T DO IT EVERY TIME.
6 THAT'S ONE OF THE THINGS ABOUT IT. YOU CAN'T DO IT
7 WITH EVERY CELL LINE THAT YOU MAKE, BUT YOU CAN DO
8 IT WITH SOME OF THEM. BUT THAT'S NOT ALTOGETHER
9 DIFFERENT FROM EMBRYONIC STEM CELLS. USUALLY YOU
10 CAN MAKE A TETRAPLOID COMPLEMENTARY EMBRYO AND
11 LIVE-BORN MOUSE OUT OF EMBRYONIC STEM CELLS, BUT IT
12 ALSO TAKES YOU ABOUT THE SAME KIND OF EFFORT AS THEY
13 DID HERE.

14 SO WHAT WE'RE SAYING HERE IS THESE CELLS
15 HAVE THE ABILITY TO FORM THE WHOLE ORGANISM, AND
16 THAT ORGANISM CAN BREATHE. SO EVEN THE GERM CELLS.
17 SO I THINK IT'S SOMETHING THAT WE NEED TO RECOGNIZE,
18 THEY'VE GOT OVER THAT PARTICULAR STEP.

19 NEXT SLIDE, NEXT ONE. I WANTED TO SORT OF
20 TALK TO YOU ABOUT A PAPER WHICH IS, I THINK,
21 SPECTACULAR AND HAS TAKEN SOME TIME TO ACTUALLY GET
22 PUBLISHED. AND IT'S REALLY OUT OF THE STANFORD
23 UNIVERSITY GROUP AND THE LEAD LABORATORY OF IRV
24 WEISSMAN. AND IT'S REALLY VERY, VERY IMPORTANT
25 SCIENCE. THIS IS ABOUT A "DON'T EAT ME" MOLECULE,

BARRISTERS' REPORTING SERVICE

1 AND THIS IS CANCER. AND I'M BRINGING IT TO YOU
2 BECAUSE I THINK THE ISSUES ARE OF CANCER AND "DON'T
3 EAT ME" NEED TO START TO INFILTRATE YOUR THOUGHTS AS
4 WELL.

5 SO THEY WORKED WITH A PRIMITIVE BLADDER
6 CANCER CELL, AND THEY WERE SHOWN TO BE CLOTHED IN A
7 PROTEIN KNOWN AS CD 47, WHICH HAS A STRONG
8 INHIBITORY SIGNAL FOR MACROPHAGE PHAGOCYTOSIS. SO
9 THE MACROPHAGES WANDER AROUND THE BODY EATING OTHER
10 CELLS, PARTICULARLY STUFF THAT'S NOT NEEDED OR IS
11 DEGENERATE OR IS DANGEROUS. SO THE MACROPHAGES ARE
12 EATING THINGS. SO THAT'S PHAGOCYTOSIS. THEY EAT
13 THEM UP.

14 SO NOW THIS INHIBITORY SIGNAL MOLECULE HAS
15 BEEN CALLED BY THE GROUP A "DON'T EAT ME" MOLECULE,
16 SO IF IT'S GOT IT ON THERE, THE MACROPHAGES DON'T
17 EAT THEM. SO THESE CELLS THEN BECOME AN ESCAPE
18 SYSTEM. SO BLOCKAGE OF THE CD 47 RESULTED IN
19 MACROPHAGE ENGULFMENT OF THE BLADDER CELLS; BUT IF
20 THEY WERE COVERED WITH THIS MOLECULE, THE
21 MACROPHAGES LEFT THEM ALONE. YOU DON'T NEED TO
22 LEAVE ALONE CANCER CELLS. YOU REALLY DO NEED THEM
23 EATEN UP.

24 SO THERE WAS SOME HETEROGENEITY IN OTHER
25 ACTIVATED ONCOGENIC PATHWAYS THAT ARE CANCER RELATED

BARRISTERS' REPORTING SERVICE

1 IN THESE TUMOR INITIATING CELLS, BUT THE CD 47 WAS
2 PREDICTIVE OF THE WORST CLINICAL PROGNOSIS IN THESE
3 PARTICULAR PATIENTS. SO A HIGH LEVEL OF THE CD 47
4 EXPRESSION MAY BE A COMMON PROPERTY OF CANCER STEM
5 CELLS AND THEIR PROGENY. SOME TYPES OF LEUKEMIA
6 CELLS ALSO USE THE SAME MECHANISM TO ESCAPE THE
7 IMMUNE SYSTEM. SO IT LOOKS LIKE A FAIRLY COMMON
8 PROPERTY TO STOP OUR OWN DEFENSES FROM CLEANING UP
9 DANGEROUS AND NASTY CELLS. AND I THINK IT'S A
10 BEAUTIFUL PIECE OF WORK PUBLISHED IN *PNAS* IN 2009,
11 AND IT PROBABLY IS NOW GOING TO -- "DON'T EAT ME"
12 MOLECULES ARE PROBABLY GOING TO ENTER OUR VOCAB
13 PRETTY COMMONLY FROM NOW ON.

14 THE NEXT ONE IS A PAPER THAT'S JUST COME
15 OUT FROM THE SALK GROUP HEADED UP BY THE BELMONTE
16 GROUP, AND BELMONTE IS PUBLISHING VERY STRONGLY. HE
17 WORKS IN BOTH SPAIN AND AT THE SALK. AND HE'S A
18 VERY, VERY GOOD RESEARCHER PRODUCING SOME VERY FINE
19 PAPERS.

20 WHAT THE STORY IS HERE IS ONE OF BIOLOGY'S
21 SUDDEN BRAKES HAVE BEEN PUT ON IPS CELLS IN A QUITE
22 DRAMATIC WAY. AND IT REALLY HAS TO DO WITH THE P 53
23 TUMOR SUPPRESSIVE PATHWAY. P 53 PATHWAY REDUCES
24 CANCER INITIATION BY ACTUALLY INDUCING CELL DEATH OR
25 PROGRAM CELL DEATH OR APOPTOSIS, ALL CELL CYCLE

BARRISTERS' REPORTING SERVICE

1 RISK, IN RESPONSE TO A WHOLE RANGE OF DIFFERENT
2 STRESS SIGNALS AND OVEREXPRESSION OF ONCOGENES LIKE
3 CMYC.

4 NOW, IPS ARE REPROGRAMMED. THEY'RE
5 REPROGRAMMED BY CMYC, KLF 4, TWO ONCOGENES. SO
6 THEY'RE PART OF THE GENES THAT ARE USED TO REPROGRAM
7 SOMATIC CELLS THAT DIFFERENTIATE BACK TO THE
8 EMBRYONIC CELL TYPE, THE IPS TYPE, AND THEY CAN
9 ACTIVATE THE P 53 PATHWAY BY A MECHANISM OF CDNA
10 DAMAGE.

11 NOW, THESE CELLS, IF YOU TAKE ADULT CELLS,
12 AND THEY'RE MUCH MORE EASILY PROGRAMMED IF THEY HAVE
13 A LOWER P 53 OR A LOWER P 21. P 21 IS THE TARGET
14 GENE FOR P 53, SO EITHER ONE OF THESE, IF YOU REDUCE
15 THAT, IT IS MUCH EASIER TO REPROGRAM THE CELLS. SO
16 IF YOU BLOCK KNOCKOUT, KNOCK DOWN, DO SOMETHING WITH
17 THE P 53, IT IS MUCH EASIER TO REPROGRAM YOUR CELLS.
18 YOU ACTUALLY DON'T NEED ALL FOUR OF THEM. YOU CAN
19 ACTUALLY REPROGRAM THEM WITH OCT 4 AND SOX-2, FOR
20 EXAMPLE.

21 NOW, THE SILENCING OF P 53, ALSO
22 SIGNIFICANTLY, THIS IS WHERE IT WAS DONE MOST IN THE
23 MOUSE, SHOWED SIGNIFICANTLY INCREASED HUMAN SOMATIC
24 CELL REPROGRAMMING OF IPS CELLS, SO BOTH IN THE
25 MOUSE AND THE HUMAN.

BARRISTERS' REPORTING SERVICE

1 NOW, WHAT DOES THIS MEAN? IT MEANS THAT
2 IF YOU'RE MANIPULATING P 53, WHICH YOU ARE DOING, OR
3 SELECTING REPROGRAMMED CELLS, YOU ARE SELECTING
4 REPROGRAMMED CELLS AND IPS CELLS, THIS MAY WELL
5 FAVOR REDUCED SIGNALING OF P 53 AND INCREASE THE
6 RISK OF MALIGNANT TRANSFORMATIONS AND UNSTABLE
7 GENOMES THAT FAVOR THE INITIATION OF CANCER.

8 NOW, WHAT WE'RE SAYING IS THAT'S A
9 CONCERN, IT'S A BIOLOGICAL CONCERN, IT'S A CELL
10 BIOLOGY ISSUE WHICH IS NOW VERY MUCH OUT IN THE OPEN
11 AND WE HAVE TO WORK ON THIS. WE HAVE TO SHOW THAT
12 EITHER THE MANIPULATION OF P 53 TO GET CELLS
13 REPROGRAMMED OR THE SELECTION OF THE CELLS THAT ARE
14 REPROGRAMMED HAVE NOT GOT THIS BIAS OF A LOW
15 SIGNALING OF THE P 53 PATHWAY, OTHERWISE THERE IS AN
16 INDWELLING RISK THAT YOU WILL SIGNIFICANTLY ELEVATE
17 THE INITIATION OF CANCER.

18 SO IT WAS AN INTERESTING SET OF PAPERS
19 THAT WERE PRODUCED AT THE INTERNATIONAL STEM CELL
20 RESEARCH SOCIETY, AND IT REALLY SORT OF PUT THE
21 BRAKES A BIT ON THE WORK OF THE PEOPLE WORKING ON
22 IPS CELLS, PARTICULARLY THOSE THAT WANT TO TAKE THEM
23 QUICKLY TO THE CLINIC. BUT HANG ABOUT, WAIT A
24 MINUTE. WE NEED TO SORT OF TAKE A GOOD, HARD LOOK
25 AT THIS AND MAKE SURE WE'RE NOT DOING SOMETHING

BARRISTERS' REPORTING SERVICE

1 WHICH IS GOING TO BE DETRIMENTAL IN THE LONG TERM.
2 SO I THINK THEY'RE AN INTERESTING GROUP OF PAPERS.
3 SO NOW POINT TO YOU SOME CHANGES IN
4 PERSONNEL. YOU'VE SEEN IAN SWEEDLER HERE. HE'S
5 SITTING ON THE END, OUR CHAMPION LEGAL COUNSEL.
6 WELL, HE'S BEEN ESSENTIALLY ON LOAN TO US BY THE
7 STATE AND BEEN WORKING NOT FOR FREE, NOT FOR
8 NOTHING, BUT ESSENTIALLY WITHOUT ANY RECOGNITION OF
9 CONTINUATION ON A THREE-MONTH OR SIX-MONTH PROGRAM.
10 ANYWAY, IT'S BEEN A DIFFICULT TIME FOR IAN. HE'S
11 STUCK WITH US. AND WE'VE APPOINTED OUR GENERAL
12 COUNSEL, ELONA BAUM. SHE WANTED IAN TO BE THE
13 DEPUTY AND IAN HAS ACCEPTED. SO WE'RE VERY PLEASED
14 THAT HE'S TAKEN ON THIS. HIS ADVICE IN THE DETAIL
15 OF WHAT WE NEED TO GET THROUGH IS SUPERB, AND I'M SO
16 PLEASED HE'S ON BOARD AS A DEPUTY COUNSEL. AND WE
17 DO NEED HIS ADVICE A LOT.

18 SO IT'S IN RECOGNITION OF A GREAT JOB, AND
19 I THANK HIM FOR BEING PATIENT IN GETTING THIS
20 THROUGH TO GIVING HIM A PROPER APPOINTMENT.

21 SO NICK WARSHAW IS ALSO HERE. HE'S SENIOR
22 ADMINISTRATIVE COORDINATOR FOR THE DEPUTY CHAIR. HE
23 IS FORMERLY WITH OBAMA FOR AMERICA, AND ART TELLS ME
24 HE'S A GOOD ACQUISITION. AND NOW ART FEELS TOTALLY
25 WHOLESOME AND FULSOME AND DELIVERING HIS PROGRAM.

BARRISTERS' REPORTING SERVICE

1 SO THAT'S GOOD.

2 CHILA SILVA-MARTIN IS HERE SOMEWHERE JUST
3 BEHIND US. THERE SHE IS. AND SHE'S JOINED MARGARET
4 FERGUSON AS A FINANCIAL SERVICE OFFICER. WE, AS
5 MICHAEL GOLDBERG KNOWS, WE BATTLE HARD TO KEEP ALL
6 THE IN-HOUSE FINANCES IN A SUPERB STATE THAT BRINGS
7 GREAT JOY TO AUDITORS AND CHAIRMEN AND CHAIRS OF THE
8 FINANCE COMMITTEES. AND MARGARET HAS BEEN WORKING
9 INCREDIBLE HOURS A DAY, AND SO WE'RE REALLY NOW
10 PLEASED THAT CHILA HAS JOINED US AS AN OFFSIDER, A
11 PARTNER, FOR MARGARET. I THINK PROBABLY MARGARET
12 MIGHT STEP DOWN NEXT YEAR, SO WE'RE GOING TO BE EVEN
13 MORE PLEASED THAT WE'VE GOT SOMEBODY WHO'S ABLE TO
14 TAKE OVER THIS VERY IMPORTANT JOB BECAUSE IT'S
15 REALLY CRITICAL FOR DEALING WITH THE STATE'S MONEY
16 AND MAKING SURE THAT IT'S CHAPERONED PROPERLY.

17 GABRIEL THOMPSON IS THE DEPUTY GRANTS
18 OFFICER. I DON'T THINK SHE'S HERE, BUT SHE'S
19 ALSO -- HE IS HERE.

20 NOW, WE HAD A MEETING OF OUR CIRM GLOBAL
21 COLLABORATIVE FUNDING GROUPS, AND I JUST WANT TO
22 GIVE YOU DOT POINT OUTCOMES OF THAT. WE HAD
23 REPRESENTATIVES OF NINE COUNTRIES. WE HAVE
24 AGREEMENTS WITH FIVE OF THEM. WE HAD ANOTHER FOUR
25 WHO ARE REALLY VERY KEEN TO JOIN IN THIS

BARRISTERS' REPORTING SERVICE

1 COLLABORATIVE FUNDING EFFORT AND JOIN US AS BEING
2 ABLE TO WORK TOGETHER WITH OUR CALIFORNIAN
3 SCIENTISTS.

4 WE FOCUSED ON THE COLLABORATIVE FUNDING
5 EFFICIENCY AND ADVANTAGES AND CHALLENGES INVOLVED.
6 FACE-TO-FACE MEETINGS ARE PRETTY IMPORTANT BECAUSE
7 WE'RE DEALING WITH VERY SENIOR FUNDING
8 ORGANIZATIONS. THE SPANISH GOVERNMENT AND THE MRC
9 IN THE UK AND THE CANADIAN CONSORTIUM ARE VERY
10 SENIOR GROUPS, AND WE'RE TRYING TO MAKE SURE THAT WE
11 HAVE A VERY GOOD AND EASY ONGOING RELATIONSHIP. AND
12 THANKS TO NANCY KOCH AND TO ELONA BAUM AND OUR
13 SCIENTISTS, WE'VE BEEN ABLE TO DO THAT VERY WELL.
14 BUT WE'RE ALSO ABLE TO GET FACE TO FACE AND GET SOME
15 THINGS ON THE TABLE AND DISCUSSED AND COMPLETED VERY
16 WELL.

17 THE CONSENSUS WAS THERE'S A VERY STRONG
18 DEMAND FOR THE SCIENTISTS IN CALIFORNIA AND IN THOSE
19 OTHER COUNTRIES FOR COLLABORATIVE FUNDING. BIG
20 SCIENCE REQUIRES COLLABORATIVE FUNDING. THERE'S A
21 CLEAR RECOGNITION THAT IT'S GOING TO BE MUCH BETTER
22 IF WE DO IT COLLABORATIVELY, AND THE CHALLENGES
23 WHEREVER THEY ARE CAN BE MITIGATED BY THE ADVANTAGES
24 OF DOING IT.

25 THERE WAS SIGNIFICANT INTEREST IN

BARRISTERS' REPORTING SERVICE

1 COLLABORATING WITH CIRM, AND THERE WAS ALSO INTEREST
2 IN NETWORKING THAT GROUP AS WELL SO THAT SOME OF
3 THESE COUNTRIES CAN WORK TOGETHER AS WELL WITH
4 CALIFORNIA. WE HAVE A HUB-AND-SPOKE PROCESS WHERE
5 THE COUNTRIES WORK ONE ON ONE WITH US. IN THE
6 FUTURE WE MAY SEE MORE THAN ONE COUNTRY WORKING
7 TOGETHER WITH US SO IT GIVES A REAL NETWORK. AND I
8 THINK THAT COULD REALLY DO SOME VERY SIGNIFICANT
9 THINGS ACROSS SOME OF THESE SPACES.

10 AND WE'RE PLANNING THE NEXT MEETING IN
11 2010, THE ISSCR MEETING WHICH IS HERE IN SAN
12 FRANCISCO.

13 THE NATIONAL LINKAGES, AGAIN, BEING WORKED
14 ON BY ELONA VERY STRONGLY. WORKING WITH THE FDA NOW
15 WE'VE GOT AGREEMENT WITH THE FDA TO HAVE REGULAR
16 CONSORTIUM LIAISON UPDATE MEETINGS ON A QUARTERLY
17 BASIS ON STEM CELL SCIENCE, LOOKING AT QUALITY
18 CONTROL AND RISK MANAGEMENT. WE WENT TO MEET WITH
19 THEM EARLIER THIS YEAR, AND THEY WERE VERY STRONGLY
20 POSITIVE. WE'VE GOT THE ARRANGEMENT, AND NOW ELONA
21 IS HELPING US SET UP THE GROUPINGS THAT ARE GOING TO
22 COME TO MEET WITH THE FDA.

23 THEY'RE GOING TO HAVE A MINIMUM OF 15
24 OFFICERS FROM THE FDA THERE, AND WE WILL PROBABLY
25 BRING 20 TO 30 CONSORTIUM PEOPLE TO THE MEETING,

BARRISTERS' REPORTING SERVICE

1 INCLUDING MEMBERS OF THE BIOTECH INDUSTRY WHERE IT'S
2 APPROPRIATE AND ALSO ACADEMIC INSTITUTIONS WHERE
3 IT'S APPROPRIATE. AND OTHER STATES, THE ISSCR HAS
4 INDICATED THEY WOULD LIKE TO BE INVOLVED AS DOES THE
5 STATE ORGANIZATION.

6 THE NIH MEETING, WE'RE WORKING ON
7 HARMONIZATION OF INTERESTS THERE. WE'VE JUST -- THE
8 DIRECTOR OF THE NIH HAS JUST BEEN APPOINTED. AND
9 INTERESTINGLY, I WAS THE ONE THAT, BY ERROR REALLY,
10 PREDICTED HE WAS GOING TO GET THE JOB IN JANUARY
11 BECAUSE I WAS ASKED IF I HAD ANY VIEW OF WHO WAS
12 GOING TO BE APPOINTED. AND I SAID NO IDEA, BUT THE
13 ONLY PERSON'S NAME I HEARD WAS THE CURRENT
14 DIRECTOR'S NAME, AND IT WAS PUT OUT IN THE PRESS AS
15 IF I KNEW, WHICH I DIDN'T.

16 FRANCIS COLLINS HAS THE POSITION. HE'S
17 VERY STRONGLY SUPPORTIVE OF STEM CELLS. I HAD THE
18 OPPORTUNITY TO MEET WITH HIM AS PART OF THE OBAMA
19 GROUP, TRANSITION GROUP. AND I FELT HE WAS VERY
20 STRONGLY SUPPORTIVE AND A VERY GOOD PERSON THAT WE
21 COULD WORK WITH. SO NOW WE HAVE THE OPPORTUNITY TO
22 DO THAT.

23 MS. SAMUELSON: I JUST WANTED TO NOTE I
24 WAS WATCHING CSPAN THE OTHER DAY ON TUESDAY, AND
25 THEY REBROADCAST HIS PRESS CONFERENCE FROM HIS FIRST

BARRISTERS' REPORTING SERVICE

1 DAY AT WORK. AND HE MENTIONED AMONG A VERY FEW KEY
2 THEMES, ONE OF THEM WAS TRANSLATIONAL EFFORTS, AND
3 HE MADE A BIG POINT OF IT AND A BIG POINT THAT STEM
4 CELL TECHNOLOGY WAS A PIECE OF IT. SO HE'S A
5 PARTNER WITH US, IT SEEMS TO ME. HE MUST BE.

6 DR. TROUNSON: AND SO I WILL MAKE NOW AN
7 APPOINTMENT TO SEE HIM, AND WE'LL SEE HOW WE CAN
8 CONNECT WITH IT. AND I'LL TAKE ELONA WITH ME AND
9 OTHER SCIENTISTS, MAYBE THE CHAIR WOULD LIKE TO COME
10 WITH US, AND WE CAN SEE WHAT WE CAN DO IN
11 ASSOCIATION WITH THIS NEW APPOINTMENT.

12 U.S. STATE STEM CELL AGENCIES, WE'RE UNDER
13 DISCUSSION WITH A NUMBER OF THEM AS POTENTIAL
14 COLLABORATIONS IN SEVERAL STATES. AND I THINK VERY
15 CLEARLY THAT'S GOING TO HAPPEN. WE'RE GOING TO HAVE
16 PARTNERS IN SOME OF THE OTHER STATES. AND THIS IS A
17 LITTLE BIT OVERDUE, BUT THERE WAS SOME DIFFICULTIES
18 LAST YEAR IN GETTING FOCUS ON THAT, BUT THERE'S
19 CLEARLY NOW A FOCUS ON THAT. SO I THINK THAT WILL
20 BE HELPFUL FOR ALL OUR COLLABORATIONS TO BE ABLE TO
21 SAY, OKAY, WE'VE GOT SCIENTISTS IN OTHER STATES THAT
22 WE CAN WORK WITH AND THAT THOSE OTHER STATES WILL
23 PICK UP THE BILL FOR THAT. SO THAT'S GREAT.

24 MY PRIORITIES ARE PRINTED OUT THERE.
25 WE'VE SPENT A LOT TIME ON DISEASE TEAM GRANT

BARRISTERS' REPORTING SERVICE

1 APPLICATIONS AND COLLABORATIVE ISSUES. THE DISEASE
2 TEAMS IS JUST A FABULOUS PROGRAM, AND YOU WILL HEAR
3 MORE AND MORE OF THAT. I THINK YOU ARE GOING TO BE
4 SURPRISED, DELIGHTED, AND IMPRESSED WITH WHAT COMES
5 FORWARD.

6 WE'VE BEEN WORKING ON THE TRANSPLANT
7 IMMUNOLOGY RFA AND A JAPAN WORKSHOP. THE JAPANESE
8 WANTED A WORKSHOP ON IMMUNOLOGY WITH US. I THINK
9 JEFF SHEEHY MIGHT HAVE SAID THAT TRANSPLANTATION
10 IMMUNOLOGY WITH A WORKSHOP AWHILE AGO. IT'S TIME;
11 IT'S IMPORTANT. ABSOLUTELY. ONE OF THE BIG
12 ROADBLOCKS THERE. I THINK NOW WE'VE GOT IT UNDER --
13 WELL AND TRULY UNDER WAY. I THINK WE'RE GOING TO
14 LOOK FORWARD TO HOPEFULLY SEEING SOME PROGRESS IN
15 THAT AREA.

16 WE REALLY HAVEN'T ENGAGED SIGNIFICANTLY
17 WITH THE TRANSPLANTATION COMMUNITY YET, AND I HOPE
18 THAT THIS WILL DO IT, AND WE'RE WORKING HARD TO
19 ENSURE THAT THAT HAPPENS. WE WANT TO KNOW WHETHER
20 THERE'S AN OPPORTUNITY FOR TOLERANCE TO BE MADE IN
21 PATIENTS RATHER THAN KEEPING THEM ON MASSIVE IMMUNE
22 SUPPRESSION. SO THAT'S WHAT WE WANT TO PUSH FOR
23 THAT. IMMUNE SUPPRESSION IS ITSELF A DANGEROUS
24 ACTIVITY. WE'D LIKE TO SEE TOLERANCE COMING
25 FORWARD. THE COROLLARY OF THAT IS CAN WE CORRECT

BARRISTERS' REPORTING SERVICE

1 AUTOIMMUNITY. IT'S THE SAME ISSUE. IT'S JUST THE
2 OTHER WAY AROUND, SO AUTOIMMUNITY IS A TARGET.

3 THERE'S ALSO A REALLY INTERESTING ROLE OF
4 IMMUNE CELLS IN TISSUE REGENERATION. AND IN SOME
5 SPECIES, IF YOU KNOCK OUT THE IMMUNE CELLS, YOU
6 DON'T GET REGENERATION OF LIMBS AND THINGS LIKE
7 THIS. SO THE IMMUNE SYSTEM IS PLAYING A BIG ROLE IN
8 OTHER SPECIES. WE NEED TO KNOW IF IT'S PLAYING A
9 BIG ROLE IN OUR SPECIES.

10 I'VE BEEN WORKING ON THE POSITION
11 DESCRIPTION FOR THE VICE PRESIDENT OF R & D, AND
12 WE'VE MET WITH THE BOARD ON THAT MATTER. ALSO PAT
13 HAS BEEN WORKING, PAT OLSON, ON RESTRUCTURING THE
14 SCIENCE OFFICE. STRATEGIC PLAN AND OPERATIONAL
15 PLAN, I'VE SPENT QUITE A BIT OF TIME ON THAT.
16 LITTLE HOOVER COMMISSION ISSUES FROM MANAGEMENT,
17 ISSUES RAISED ABOUT CIRM IP REGULATIONS AND LOANS
18 FOR COMPANIES KEEP COMING UP. THEY'RE ISSUES THAT
19 WE NEED TO ADDRESS, AND WE NEED TO READDRESS THEM,
20 AND WE NEED TO SOLVE THEM. SO WE'RE WORKING HARD ON
21 THAT.

22 MAJOR FACILITIES PROGRAMS, WE'RE
23 COMPLETING THAT PROCESS. AND I THANK JOHN ROBSON
24 FOR A TERRIFIC JOB IN USHERING THAT WHOLE PROGRAM
25 THROUGH TO ITS COMPLETION. IT'S NEARLY THERE.

BARRISTERS' REPORTING SERVICE

1 DEVELOPING NETWORKS IN THE U.S. SCIENCE
2 AND INDUSTRY ALL THE TIME, WORKING ON A PROGRAM OF
3 CIRM RESEARCH LEADERSHIP AWARDS. AGAIN, A LOT OF
4 WORK DONE BY JOHN ROBSON IN THAT AREA. DIALOGUE
5 WE'VE ESTABLISHED WITH THE MAJOR PHARMACEUTICAL
6 INDUSTRIES. THE PHARMACEUTICAL INDUSTRIES, THERE'S
7 A FRAME HERE WHERE THESE MAJOR COMPANIES ARE MAKING
8 DIRECT CONNECTION AND DIALOGUE WITH US. THEY WANT
9 TO BE PART OF REGENERATIVE MEDICINE STEM CELL
10 THERAPIES. THERE WAS A VIEW SOME TIME AGO THAT THE
11 PHARMACEUTICAL INDUSTRY WASN'T INTERESTED IN IT.
12 THAT IS COMPLETELY WRONG NOW. THEY'VE CHANGED THEIR
13 MIND, IF THE VIEW WAS THAT IN THE PAST, AND THEY'RE
14 VERY, VERY AGGRESSIVE IN WANTING TO BECOME PART OF
15 THIS. SO THERE'S AN OPPORTUNITY THERE, I THINK, FOR
16 US TO DO SOMETHING VERY IMPORTANT.

17 THE UPCOMING GRANT REVIEWS FOR THE DISEASE
18 TEAMS WILL BE SEPTEMBER 9TH TO THE 11TH, SO NOBODY
19 GET THE SWINE FLU, PLEASE, FOR THAT. IT'S GOING TO
20 BE A VERY IMPORTANT PROGRAM AND I THINK ONE WHICH
21 WE'LL ALL ENJOY. SO THAT'S ON.

22 UPCOMING RFA'S, THE TWIN TO BASIC BIOLOGY
23 I WE'LL BE CONSIDERING TODAY OR TOMORROW. BASIC
24 BIOLOGY II, WE'LL POST THE RFA IN AUGUST. THAT'S
25 THIS MONTH. THE STEM CELL TRANSPLANTATION

BARRISTERS' REPORTING SERVICE

1 IMMUNOLOGY, WE HAD CONCEPT CLEARANCE FOR IT HERE AT
2 THIS MEETING. WE HOPE TO GET THAT WITH YOUR SUPPORT
3 AND POST THE RFA OCTOBER-NOVEMBER. AND THE EARLY
4 TRANSLATIONAL, THE SECOND TRANSLATIONAL II PROGRAM
5 CONCEPT CLEARANCE, WE'LL BRING IT TO YOU IN THE
6 DECEMBER MEETING AND POST THE RFA AROUND FEBRUARY
7 THE 10TH. JUST SOME HEADS UP ON WHERE WE'RE GOING
8 WITH RFA'S.

9 THE DISEASE TEAM RESEARCH AWARDS, TO LET
10 YOU KNOW, WE RECEIVED 31 FULL APPLICATIONS: SEVEN
11 APPLICATIONS WITH PI'S OR CO-PI INSTITUTIONS, 29
12 NOT-FOR-PROFIT, 13 INSTITUTIONS, NINE HAD A
13 DESIGNATE AS AN INTERNATIONAL COLLABORATIVE FUNDING
14 PARTNER. THERE'S 210 MILLION ICOC APPROVAL FOR THE
15 BUDGET, AND 66 MILLION IS IN COLLABORATIVE FUNDING
16 PARTNER REQUESTS IN THAT PROGRAM. SO YOU CAN SEE
17 THAT WE ARE, AGAIN, LEVERAGING OUR MONEY. I THINK
18 WE'LL BE ABLE TO DO THIS MORE AND MORE, BUT I THINK
19 THE CHAIR WOULD APPROVE OF SOME LEVERAGE GOING ON,
20 AND I HOPE OTHER MEMBERS OF THE BOARD WILL. THIS IS
21 MONEY COMING FROM THE OTHER INSTITUTIONS TO BACK
22 THOSE PROJECTS. OF COURSE, WE DON'T KNOW WHICH ONES
23 ARE GOING TO BE SELECTED AT THE MOMENT.

24 APPROXIMATELY 25 PERCENT OF CIRM FUNDS
25 REQUESTED ARE DESIGNATED TO SUPPORT FOR-PROFIT

BARRISTERS' REPORTING SERVICE

1 ORGANIZATIONS, ABOUT A QUARTER OF THEM ARE COMPANY
2 APPLICANT INSTITUTIONS, THERE'S A PI, CO-PI SPONSOR
3 INSTITUTION WITH SUBCONTRACT FOR GOODS AND SERVICES.
4 THAT'S HOW WE'VE DEFINED THE FOR-PROFIT
5 ORGANIZATION. THE REVIEW, AS I SAID, WILL BE
6 SEPTEMBER 9TH AND 11TH. AND THERE IS NOW EVIDENCE
7 FOR NEW PARTNERSHIP COLLABORATIONS WITHIN CALIFORNIA
8 THAT WE'VE NEVER SEEN BEFORE. AND THAT'S WHAT WE
9 REALLY WANTED. WE NEEDED TO CREATE NEW WORKING
10 PARTNERSHIPS, AND THAT'S NOW HAPPENED. THAT'S ONE
11 OF THE REALLY STRONG POSITIVES OUT OF THIS. THOSE
12 PARTNERSHIPS WON'T GO AWAY. ONCE THEY'RE CREATED,
13 THEY'LL WANT TO KEEP WORKING. EVEN IF THEY DON'T
14 GET THE GRANT, THEY'LL KEEP WORKING TOGETHER TO
15 IMPROVE THEIR POSITIONS TO GET GRANTS. I THINK THIS
16 IS EXACTLY WHAT WE WANTED TO HAPPEN AND IS
17 HAPPENING.

18 MS. SAMUELSON: (INAUDIBLE.)

19 DR. TROUNSON: SEVEN APPS WITH PI.

20 MS. SAMUELSON: THE OTHERS DON'T HAVE A
21 PI? I JUST DON'T UNDERSTAND WHAT THAT MEANS.

22 CHAIRMAN KLEIN: FOR-PROFIT. SEVEN HAVE A
23 FOR-PROFIT PI OR CO-PI.

24 DR. TROUNSON: DISEASE TEAM RESEARCH
25 AWARDS RECEIVED. THERE'S A DIVERSITY OF THERAPEUTIC

BARRISTERS' REPORTING SERVICE

1 APPLICATIONS. AGAIN, TO FIT YOU IN, APPROXIMATELY
2 FOUR-FIFTHS OF CELL THERAPY OR CELL AND GENE
3 THERAPY, ONE-FIFTH SMALL MOLECULE OR BIOLOGIC
4 THERAPIES, AUTOIMMUNE DISEASES, CANCER,
5 CARDIOVASCULAR DISEASE, DIABETES, EYE DISEASE,
6 HEMATOPOIETIC DISORDERS, HIV/AIDS, LIVER DISEASE,
7 MUSCULOSKELETAL DISEASE, NEUROLOGICAL DISORDERS AND
8 INJURY, PERIPHERAL VASCULAR DISEASE AND TISSUE
9 REPAIR. SO THAT GIVES YOU A BIT OF A FLAVOR OF WHAT
10 THOSE 31 PROJECTS ARE AIMING. SO IT COVERS A
11 FAIR --

12 DR. POMEROY: WHEN YOU LOOKED AT THAT
13 LIST, WERE THERE ANY GAPS THAT YOU NOTICED THAT WERE
14 DISAPPOINTING TO YOU?

15 DR. TROUNSON: LOOK, I THINK THERE'S
16 ALWAYS DISAPPOINTMENTS. YOU CAN TAKE A CANCER AREA
17 AND YOU CAN THINK THAT WE MIGHT HAVE SOURCED IT MORE
18 BROADLY IN THE CANCER AREA, CANCER STEM CELLS. I
19 WAS A BIT SURPRISED BECAUSE THE CANADIANS WERE
20 CERTAINLY OFFERING ANOTHER \$20 MILLION THAT IN
21 THEORY WAS UP TO \$40 MILLION, SO YOU WOULD HAVE
22 THOUGHT YOU'D ATTRACT A LOT OF PEOPLE IN. IT WASN'T
23 AS BIG AS I THOUGHT, TO BE HONEST, CLAIRE.

24 AGAIN, I THOUGHT THERE WAS SOME WORK ON --
25 I WOULD HAVE THOUGHT THE LUNG WOULD HAVE BEEN A

BARRISTERS' REPORTING SERVICE

1 TARGET. IT'S A BEAUTIFUL ORGAN TO TARGET WITH CELL
2 THERAPIES. NOT REALLY IN THERE. LIVER DISEASE I
3 THOUGHT WAS QUITE DIFFICULT, BUT IT IS IN THERE.
4 SO, YOU KNOW, THERE ARE THINGS WHICH ARE GAPPED AND
5 MISSING, AND WE'RE GOING TO TAKE A LOOK AT THAT
6 BECAUSE THERE ARE SOME SURPRISES, I THINK. AND AS
7 MUCH AS YOU TAKE THE NEUROLOGICAL DISORDERS, AND, OF
8 COURSE, YOU COULD HAVE HAD A MUCH BIGGER SPECTRUM.
9 I THINK THE ONES THAT HAVE GONE UP ARE CERTAINLY
10 ONES THAT ARE VERY, VERY INTERESTING PROPOSALS THAT
11 I THINK ARE EXCITING. NEVERTHELESS, I THOUGHT THERE
12 COULD HAVE BEEN MORE IN THAT AREA AS WELL. THERE'S
13 NOT -- FROM MEMORY, I DON'T KNOW IF THERE'S AN MS
14 ONE, FOR EXAMPLE. I WOULD HAVE EXPECTED THAT.

15 SO, YES. BUT WE'LL BE GOING AGAIN NEXT
16 YEAR, AND WE'LL DO A BIT OF HOMEWORK AS WELL AND SEE
17 IF THERE'S SOME REASON WHY THEY'RE NOT IN THAT
18 POSITION. THEY MAY FEEL THAT THEY'RE BETTER BACK IN
19 THE EARLY TRANSLATION. AND THAT'S PICKING UP SOME
20 OF THE WORK THAT REALLY THAT THEY THINK IS NOT
21 REALLY READY FOR THAT FOUR-YEAR RUN.

22 CHAIRMAN KLEIN: I THINK, DR. TROUNSON,
23 THAT ENDING POINT IS A VERY IMPORTANT POINT AS
24 RELATED TO THE CANADIAN INITIATIVE BECAUSE THE
25 CANADIAN CALIFORNIA CANCER STEM CELL INITIATIVE,

BARRISTERS' REPORTING SERVICE

1 WHICH WAS ACTUALLY AN OUTGROWTH OF A COLLABORATIVE
2 CONFERENCE BOB DYNES PULLED TOGETHER ABOUT THREE
3 YEARS AGO, ONLY HAD ITS MONEY ON THE TABLE CREDIBLY
4 IN THE LAST NINE MONTHS OR SO. SO THERE'S AN ISSUE
5 OF MATURITY OF THE EFFORTS TO BE ABLE TO MEET OUR
6 THRESHOLD CRITERIA. AND I THINK AS THE NEXT DISEASE
7 TEAM ROUND COMES FORWARD, MANY OF THOSE WILL HAVE
8 MORE MATURITY.

9 BETWEEN TOM HUDSON'S EFFORTS IN THE
10 PROVINCE OF ONTARIO, WHICH HAS PULLED TOGETHER A
11 COUPLE HUNDRED MILLION THEMSELVES IN MATCHING FUNDS
12 THAT ARE AVAILABLE, AND THE TOTAL CANADIAN EFFORT,
13 INCLUDING GENOME CANADA, WHICH HAS AN AGGREGATE
14 TOTAL OF \$250 MILLION IN MATCHING FUNDS AVAILABLE,
15 THERE COULD BE SOME REAL COLLABORATIVE POSSIBILITIES
16 THERE THAT HAVEN'T YET MATURED.

17 DR. TROUNSON: RIGHT. I THINK WHAT'S
18 GOING TO HAPPEN IS A LOT OF INTEREST IN THE
19 SOCIETIES FROM THE MAJOR JOURNALS, *SCIENCE* AND
20 *NATURE*, SAYING TO ME YOU ARE GOING TOO QUICKLY TOO
21 FAST. AND I DON'T THINK YOU CAN GO TOO QUICKLY TOO
22 FAST AS LONG AS YOU'RE BACKING THE SAFETY OF THE
23 EFFICACY SYSTEMS THAT ARE REQUIRED BY FDA. SOME OF
24 THESE PROPOSALS, I THINK, ARE GOING TO GET TO AN IND
25 IN TWO OR THREE YEARS.

BARRISTERS' REPORTING SERVICE

1 NOW, EVEN WHEN THEY DO SAY THAT, MY ADVICE
2 TO THEM IS TO SAY ALWAYS TRY AND MAKE IT A FOUR-YEAR
3 PROJECT BECAUSE YOU DON'T KNOW WHAT YOU'RE GOING TO
4 HIT ON THE WAY GOING THERE. BUT WHEN THEY TELL ME
5 ABOUT SOME OF THESE PROJECTS, I'M ASTONISHED AT HOW
6 FAR THEY'VE GOT AND HOW FAST THEY'RE GOING AND WHY
7 THEY'RE LOOKING AT US TO BUILD THESE TEAMS. AND I
8 THINK THE WHOLE WORLD WILL SORT OF SWITCH TO LOOK AT
9 US AND SAY, WELL, LET'S HOPE IT GOES ALL RIGHT, BUT
10 THE SENSE OF IT IS I THINK WE WILL HAVE ACTUALLY
11 STEPPED VERY STRONGLY FORWARD IN THIS AREA, VERY
12 STRONGLY FORWARD. AND YOU CAN TELL THAT THE
13 BRITISH, SOME OF THE BRITISH FRONTLINERS HAVE JOINED
14 UP WITH THE CALIFORNIANS TO BE PART OF THIS. SO
15 IT'S A VERY INTERESTING PROCESS, I THINK. WE PICKED
16 UP SOME OF FRONTLINERS AS PARTNERS, SOME OF THE UK
17 FRONTLINERS AS PARTNERS, AND CLEARLY THAT'S THE CASE
18 IN THE CANCER AREA AS WELL.

19 MS. SAMUELSON: DO WE HAVE ANY DOCUMENTS
20 THAT SHOW WHERE THE PROGRESS IS BY DISEASE? I KNOW
21 THERE'S A LIST IN THE BACK OF THE STRATEGIC PLAN, A
22 LIST OF PAPERS, SO THAT'S ONE MEASURE OF PROGRESS.
23 WHAT DO WE HAVE THAT'S DISEASE SPECIFIC, AND WHAT
24 WOULD IT TAKE TO GET IT?

25 DR. TROUNSON: WE'RE JUST SETTING INTO A

BARRISTERS' REPORTING SERVICE

1 NEW SYSTEM THAT WILL MORE EASILY GET THAT, JOAN.
2 WHAT WE'VE HAD IN THE PAST, I'VE GOT THAT OUT IN THE
3 PAST, BUT I'VE NOT ALWAYS BEEN VERY SATISFIED WITH
4 IT. SO PAT AND HER COLLEAGUES ARE PUTTING TOGETHER
5 THIS MANAGEMENT SYSTEM THAT WILL ALLOW US TO MORE
6 EASILY GET THAT INFORMATION IN A MORE -- IN A WAY
7 WHICH YOU'D FEEL MORE COMFORTABLE ABOUT YOU REALLY
8 GOT IT. OFTEN THE PROJECTS, EVEN THE ABSTRACTS,
9 DON'T DESCRIBE ACCURATELY THE ACTUAL DISEASE.
10 THEY'RE IN A MORE GENERALIZED WAY AND WHERE DO YOU
11 PUT THEM, AND YOU CAN ACTUALLY GET QUITE A BIAS OUT
12 OF THAT FROM PARTICULARLY SOME OF THE EARLIER
13 GENERALIZED PROGRAMS. EVEN THE TOOLS AND
14 TECHNOLOGIES THAT CAN RELATE TO ONE OR OTHER
15 DISEASE, BUT THEY DON'T SAY ANYTHING ABOUT IT, SO
16 YOU'VE GOT TO SORT OF LOOK TO SEE HOW YOU CAN
17 INTERPRET THAT.

18 SO THAT SYSTEM WILL BE COMING FORWARD.
19 THEY'VE BEEN WORKING REALLY HARD ON THE SYSTEM TO
20 GET IT UP SO WE CAN HAVE SOME QUALITY DATA FOR WHAT
21 YOU'RE ASKING.

22 MS. SAMUELSON: IS IT CIRM-WIDE OR IS IT
23 INTERNATIONAL?

24 DR. TROUNSON: THIS IS CIRM.

25 MS. SAMUELSON: DOES IT DESCRIBE THE

BARRISTERS' REPORTING SERVICE

1 STATUS OF THE DISEASE?

2 DR. TROUNSON: THIS IS CIRM-WIDE. I DON'T
3 KNOW IF THERE IS A -- I DON'T THINK THERE IS ONE, A
4 DATABANK, IN THAT FORM, THAT INFORMATION IN THAT
5 FORM AT THE PRESENT TIME THAT I KNOW OF. I MIGHT BE
6 WRONG. I MIGHT HAVE TO LOOK INTO THAT FOR YOU
7 BECAUSE I'M NOT AWARE OF ONE WHICH GOES ACROSS THE
8 INTERNATIONAL BOUNDARIES.

9 MS. SAMUELSON: MIGHT THAT BE A GOAL OF
10 THE COLLABORATIONS BECAUSE THAT SEEMS WITHOUT THAT,
11 THAT'S THE POINT. WE COULD HAVE ONE PROJECT THAT
12 ISN'T REPRESENTATIVE OF ENORMOUS PROGRESS OR NONE.

13 DR. OLSON: JUST TO SPEAK TO THAT A LITTLE
14 BIT. I THINK THAT IS WHY IN, SAY, A REVIEW OF
15 SOMETHING LIKE A DISEASE TEAM APPLICATION, IT'S VERY
16 IMPORTANT FOR US TO GET THE ACTUAL DISEASE EXPERTS
17 BECAUSE THE DISEASE EXPERTS ARE THE PEOPLE WHO ARE
18 MOST KNOWLEDGEABLE ABOUT THE STATE OF THE FIELD AT
19 ANY ONE POINT. THEY'RE THE ONES THAT WE WOULD RELY
20 ON. AND WE COULD TRY AND DO THAT, BUT THAT IS JUST
21 AN EVER CHANGING AND EVER MOVING TARGET. AND SO YOU
22 WORK WITH THE PEOPLE WHO MAKE IT THEIR JOB DAY IN
23 AND DAY OUT TO KNOW WHAT'S GOING ON IN THEIR FIELD,
24 AND THOSE ARE THE PEOPLE YOU CALL ON. THOSE ARE THE
25 EXPERTS.

BARRISTERS' REPORTING SERVICE

1 DR. TROUNSON: I THINK IN SOME STATES THE
2 NIH WILL LOOK FOR THAT INFORMATION AS WELL. SO THAT
3 MIGHT BE SOMETHING THAT WE COULD COMBINE WITH THEM
4 IN DOING.

5 MS. SAMUELSON: IT'S NOT THAT WE WOULD
6 GENERATE ALL OF IT, BUT MAYBE PROVIDE THE LIBRARY OR
7 THE CONVENING PLACE OR SOMETHING BECAUSE IT SEEMS TO
8 ME THAT'S AN ESSENTIAL PIECE TO KNOW WHERE THE
9 SCIENCE IS.

10 DR. TROUNSON: YOU KNOW, PART OF THAT
11 DESCRIPTION OF WHAT I WANTED OF THE VP R & D WAS TO
12 BE REALLY ACROSS THAT BECAUSE THAT IS THE SPACE THAT
13 WE NEED TO KNOW, THE DISEASE AREAS, WHO'S WORKING IN
14 IT, WHO'S WHO IN THE ZOO. WE NEED TO BE VERY CLEAR
15 WHICH COMPANIES ATTACH TO WHICH, WHAT ARE THE
16 PRIORITIES IN THE PHARMACEUTICAL INDUSTRY, HAVE A
17 VERY CLEAR VISION OF ALL OF THAT.

18 NEXT. WE'VE GOT THE 2010 GRANTEE
19 CONFERENCE. IT'S IN MARCH 3D TO 5TH. WE HOPE THAT
20 SOME OF YOU WILL COME TO THAT, THOSE WHO ARE
21 INTERESTED. IT WAS A GREAT GIG LAST TIME.
22 EVERYBODY LOVED IT. IT'S IN SAN FRANCISCO. WE'RE
23 GOING TO MOVE IT NEXT TIME, SO IT'S NOT ONLY SAN
24 FRANCISCO. SO WE'LL BRING IN THE OTHER CITIES, SO
25 IT'S THIS TIME IN SAN FRAN.

BARRISTERS' REPORTING SERVICE

1 BRINGS TOGETHER CIRM GRANTEES TO FOSTER
2 INTERACTIONS BETWEEN THEM, PRESENTS GRANTEE'S WORK
3 IN BASIC AND TRANSLATIONAL STEM CELL SCIENCE, AND
4 INCLUDES PROMINENT NON-CALIFORNIAN SPEAKERS. WE'VE
5 REALLY GOT SOME FANTASTIC PEOPLE TO OPEN, A PERSON
6 TO OPEN THE MEETING, THE CURRENT NEW CHANCELLOR OF
7 THE UCSF. VERY PLEASED TO HAVE HER OPEN. SHE'S A
8 VERY SPECIAL PERSON, AND I THINK SHE'LL DO WONDERS
9 IN HER INTERACTIONS WITH OUR GRANTEES. SHE'S A
10 VERY, AS I SAID, A VERY SPECIAL TRANSLATIONAL
11 CLINICAL PERSON WHO'S HAD A VERY MAJOR IMPACT
12 NATIONALLY AND INTERNATIONALLY.

13 SO THIS IS GOING TO BE A REALLY TERRIFIC
14 MEETING, AND WE HOPE THAT SOME OF THE PATIENT
15 ADVOCATES WHO FEEL INCLINED WILL COME ALONG TO THAT.
16 IT'S GREAT. AND WE'RE, AS USUAL, HIGHLIGHTING
17 INNOVATION AND EXCITEMENT IN THAT AREA. WE DO IT
18 UNDER COLD SPRING HARBOR RULES SO THAT PEOPLE OPEN
19 UP THEIR BOOKS AND GIVE US THE DATA, BUT WE DON'T
20 REPORT IT OUT INTO THE PUBLIC. THAT ENABLES PEOPLE
21 TO SORT OF WORK WITH EACH OTHER WITHOUT FEELING THAT
22 THEIR DATA WILL SORT OF SLIP OFF INTO THE PUBLIC IN
23 SOME WAY.

24 UPCOMING WORKSHOP IN JAPAN ON IMMUNOLOGY
25 TO BE HELD IN KYOTO AUGUST 31ST TO SEPTEMBER THE

BARRISTERS' REPORTING SERVICE

1 1ST. IT WAS REQUESTED BY THE JAPANESE JST. THE
2 GOAL IS TO FACILITATE THE DEVELOPMENT OF
3 COLLABORATIVE PROJECTS BETWEEN CALIFORNIA AND
4 JAPANESE SCIENTISTS FOR THE UPCOMING IMMUNOLOGY RFA,
5 AND WE'VE GOT EIGHT GREAT YOUNG SCIENTISTS WHO ARE
6 MIDCAREER, REALLY DOING THE TOP-LINE WORK, AND THEY
7 HOPEFULLY WILL CREATE SOME PARTNERSHIPS WITH THEIR
8 JAPANESE COLLEAGUES. AND IT'S HOSTED BY THE JST
9 THIS TIME, WHICH IS GOOD FOR US. WE DON'T HAVE TO
10 DO ALL THE WORK.

11 AND I JUST SAID THIS TEAM IS WORKING SO
12 WELL TOGETHER. I HAVE TO TELL YOU THEY'RE STEPPING
13 IN AND HELPING ONE ANOTHER. IT'S JUST ONE OF THE
14 PHENOMENAL MOMENTS AROUND AT THE PRESENT TIME THAT
15 THIS IS A GREAT TEAM. YOU SHOULD REALLY -- I'M SO
16 IMPRESSED WITH THEM. IT'S JUST A WONDERFUL TEAM TO
17 WORK WITH. AND EVERY ONE OF THEM IS DOING MORE THAN
18 YOU COULD EVER ASK OF THEM. I JUST THINK IT'S
19 FANTASTIC, CHAIR. AND I THINK SOMETIMES WE SAY THIS
20 JUST BECAUSE IT'S -- WE DO EACH TIME. THIS TIME I'M
21 SAYING IT'S JUST A FANTASTIC GROUP OF PEOPLE, AND
22 THEY'RE JUST SO WELL MATCHED AND HELPFUL TO ONE
23 ANOTHER THAT IT'S A PLEASURE TO WORK WITH THEM. AND
24 I THINK THOSE OF YOU WHO SPEND TIME AT CIRM WILL GET
25 THAT AS A VERY STRONG POSITIVE FEELING.

BARRISTERS' REPORTING SERVICE

1 CHAIRMAN KLEIN: SO I THINK IT'S AN
2 APPROPRIATE MOMENT THAT WE GIVE AN APPLAUSE FOR THE
3 ENTIRE TEAM WHO ARE TREMENDOUS.

4 (APPLAUSE.)

5 DR. TROUNSON: SO I'M GOING TO PASS OVER
6 TO SOME OF MY COLLEAGUES JUST TO GIVE -- FIT YOU IN
7 WITH SOME SPECIAL ITEMS. I HOPE YOU'LL APPRECIATE
8 THIS, BUT THE SCIENTIFIC HIGHLIGHTS FROM THE ISSCR
9 IS GOING TO BE DELIVERED BY PAT. PAT AND THE YOUNG
10 SCIENTIFIC OFFICERS WERE THERE. IT WAS A
11 MAGNIFICENT TIME. SHE'S GOING TO GIVE YOU SOME
12 PLUMS OFF THE CHERRY TREE. THAT'S NOT QUITE THE
13 RIGHT WAY TO SAY IT.

14 DR. PRIETO: JUST A QUESTION I SHOULD HAVE
15 ASKED EARLIER. BUT I WONDERED, THE PAPER YOU
16 PRESENTED ON THE TETRAPLOID MICE, DO WE KNOW WHAT
17 THE ORIGINAL SOURCE OF THOSE IPS CELLS WAS?

18 DR. TROUNSON: THERE WAS A RANGE OF
19 SOURCES. THERE WERE FIBROBLASTS, THERE WERE SKIN
20 CELLS. THERE WAS QUITE A RANGE IN THERE. THERE ARE
21 THREE DIFFERENT PUBLICATIONS. I THINK I'LL HAVE TO
22 MAKE SURE THAT I GOT ALL THE OTHER CELLS. I KNOW
23 THE FIBROBLASTS, I KNOW THE SKIN CELLS WERE IN
24 THERE, THE KERATINOCYTES. I'LL ACTUALLY CHECK ON
25 THE OTHERS FOR YOU JUST TO MAKE SURE I'M NOT SELLING

BARRISTERS' REPORTING SERVICE

1 SOMETHING THAT WASN'T, BUT THERE WAS A RANGE OF CELL
2 TYPES WHICH ALL WORK.

3 BUT YOU MAKE A GOOD POINT, THAT IT WAS
4 MUCH MORE DIFFICULT TO MAKE THEM FROM SOME CELL
5 TYPES THAN OTHERS. SO, AGAIN, WHEN THEY LOOKED AT
6 THIS, AND THERE WAS A PAPER, INTERESTING PAPER, FROM
7 YAMANAKA THAT'S NOT REPORTED THERE, HE SAYS THAT
8 CERTAIN CELL TYPES ARE MUCH EASIER TO MAKE THE IPS
9 CELLS FROM THAN OTHERS. AND BELMONTE SAYS IN SOME
10 OF THOSE CELLS, THESE ARE THE ONES THAT HAVE LOWER
11 P 53, HE MAKES THAT POINT, KERATINOCYTES ARE EASIER
12 TO MAKE INTO IPS THAN MOST OTHER CELL TYPES AND
13 THEY'VE GOT THE LOWEST P 53. SO THERE'S SOME
14 INTERESTING THOUGHTS THERE, BUT I'LL PICK OUT THE
15 OTHER CELL TYPES IN THE PAPER TO MAKE SURE THAT I'VE
16 ANSWERED YOUR QUESTION FULLY.

17 DR. OLSON: THIS IS ACTUALLY THE ISSCR
18 MEETING IS PROBABLY THE PREMIERE STEM CELL MEETING
19 ANNUALLY, SO THIS IS A REALLY BIG ONE. THERE WERE
20 ABOUT 3100 MEETING ATTENDEES. THERE WERE OVER 100
21 INVITED TALKS. THIS IS A WORLDWIDE MEETING. SO I
22 HAVE TO SAY THAT FOR THE INVITED TALKS, TEN SPEAKERS
23 WERE CIRM GRANTEES, TEN OF THE INVITED SPEAKERS. SO
24 GIVEN A WORLDWIDE MEETING, WE THOUGHT THAT WAS A
25 PRETTY GOOD PERCENTAGE. IN ADDITION TO THE OVER

BARRISTERS' REPORTING SERVICE

1 HUNDRED INVITED TALKS, THERE WERE OVER 1700 POSTERS.

2 AND WHAT THIS MEETING DOES IS IT REALLY
3 HIGHLIGHTS THE BROAD SCOPE OF STEM CELL RESEARCH.
4 THIS IS THE BASIC, THIS IS THE TRANSLATIONAL, THIS
5 IS MODEL SYSTEMS, THIS IS HUMAN, THIS IS INDUCED
6 PLURIPOTENT, THIS IS EVERYTHING.

7 SO IF I COULD HAVE THE NEXT SLIDE. I'M
8 NOT GOING TO SAY MUCH ABOUT THIS BECAUSE ALAN HAS
9 ALREADY HIGHLIGHTED IT. I'D SAY PROBABLY THE
10 BIGGEST BUZZ AT THE MEETING WAS AROUND THE
11 MECHANISMS OF REPROGRAMMING AND WHAT'S INVOLVED IN
12 THE ACQUISITION OF PLURIPOTENCY. THERE MUST HAVE
13 BEEN FOUR TO FIVE PLENARY SPEAKERS OR CONCURRENT
14 SESSION SPEAKERS WHO FOCUSED ON THESE MECHANISMS.
15 THERE WERE A NUMBER OF POSTERS. I THINK ALAN HAS
16 ALREADY HIGHLIGHTED THE ROLE OF P 53. THAT'S ALSO
17 BEING CORRELATED WITH THE LOSS OF PROLIFERATIVE
18 POTENTIAL. SO LATE PASSAGE CELLS DON'T DO SO WELL.
19 MORE DIFFERENTIATED CELLS AREN'T SO EASILY
20 PREPROGRAMMED. AND IT'S THESE MECHANISMS THAT HAVE
21 HIGH PROLIFERATION POTENTIAL AND P 53 AND THESE CELL
22 CYCLE CONTROLS THAT ARE ALL STARTING TO COME
23 TOGETHER.

24 WHY DO WE CARE ABOUT THIS? I THINK WE
25 CARE FOR SEVERAL REASONS. FIRST, IF WE ARE

BARRISTERS' REPORTING SERVICE

1 INTERESTED IN CELLS FROM DISEASE FROM PATIENTS, IF
2 YOU CAN REPROGRAM A LOT MORE EFFICIENTLY, YOU CAN
3 GET A NUMBER OF LINES READILY. A LOT OF TIMES I
4 THINK SOME DISEASES, THE CELLS ARE VERY DIFFICULT TO
5 REPROGRAM. SO IF WE UNDERSTAND THE MECHANISMS, WE
6 CAN GET A LOT MORE LINES. WE CAN LEARN ABOUT THE
7 MECHANISMS OF DISEASE. WE CAN ADD LINES FOR
8 SCREENING.

9 ALSO WHEN WE TALK SOMETIMES ABOUT DOING
10 AUTOLOGOUS CELL THERAPY WITH ONE'S OWN CELLS, IF YOU
11 CAN REPROGRAM EFFICIENTLY, THAT REALLY MAKES THAT A
12 LOT MORE FEASIBLE. YOU'VE ALREADY HEARD ALAN
13 MENTION THE CONCERNS ABOUT -- I MEAN P 53 IS A TUMOR
14 SUPPRESSOR. IN ACTIVATING IT, REDUCING IT
15 THEORETICALLY INCREASES THE CANCER RISK, AND HE'S
16 ALSO HIGHLIGHTED ARE THE POPULATIONS OF CELLS THAT
17 REPROGRAM NATURALLY, THOSE THAT HAVE WHATEVER
18 TRANSIENTLY ARE NOT, REDUCED REPROGRAMMING. WELL,
19 YOU ACTUALLY ALREADY FIND SCIENTISTS THINKING
20 ABOUT THE FACT THAT CAN WE DO TRANSIENT INHIBITION
21 OF P 53? CAN WE PUT IN AN ANTISENSE RNA OR AN SIRNA
22 THAT INHIBITS P 53, WE GET THE REPROGRAMMING DONE,
23 WE LOSE THE PLASMID, AND NOW YOU AREN'T SELECTING
24 THAT POPULATION THAT MAY HAVE REDUCED P 53 UNDER
25 NORMAL CIRCUMSTANCES.

BARRISTERS' REPORTING SERVICE

1 SO THERE ARE WAYS THAT I THINK SCIENTISTS
2 ARE ALREADY THINKING ABOUT DOING THIS.

3 DR. PIZZO: IS THE P 53 NATIVE OR MUTANT?

4 DR. OLSON: NO. WHAT THEY'RE FINDING IS
5 THAT IF THEY DECREASE P 53 IN CELLS BY A NUMBER OF
6 MECHANISMS, BY PUTTING IN AN SIRNA TO INHIBIT, IF
7 THEY DECREASE P 53, IF THEY KNOCK OUT P 53, IF THEY
8 PUT IN A DOMINANT NEGATIVE MUTANT, IN THOSE
9 CIRCUMSTANCES REPROGRAM EFFICIENCY GOES WAY UP.

10 I ALSO WANTED TO JUST FOCUS A LITTLE BIT
11 ON SOME OF THE HIGHLIGHTS FROM DIFFERENTIATION.
12 NOW, WHY DO WE CARE ABOUT THIS? AND I WOULD REMIND
13 YOU ALL THAT THE STARTING POINT FOR EFFICIENT
14 DIFFERENTIATION OF CELLS FOR ACTUAL THERAPEUTIC USE
15 HAS BEEN WHAT WE'VE LEARNED FROM DEVELOPMENTAL
16 BIOLOGY. IT'S BEEN YOUR BASIC SCIENTISTS
17 UNDERSTANDING WHAT IT TAKES TO GET FROM, SAY, AN ES
18 CELL TO A BETA CELL. SO YOU LOOK AT NOVACEL.
19 NOVACEL'S IN VITRO DIFFERENTIATION PROTOCOLS ARE
20 VERY MUCH BASED ON WHAT DEVELOPMENTAL BIOLOGISTS
21 HAVE DONE. GERON'S IN VITRO DIFFERENTIATION
22 PROTOCOLS ARE BASED ON WHAT BASIC BIOLOGISTS HAVE
23 DONE.

24 SO SOME OF THIS WORK IS ALSO JUST
25 BEAUTIFUL, AND I JUST WANT TO HIGHLIGHT A COUPLE OF

BARRISTERS' REPORTING SERVICE

1 THE TALKS THAT WE HEARD. MARK KRASNOW FROM
2 STANFORD. HE HAS DONE SOME ABSOLUTELY GORGEOUS WORK
3 WHERE HE'S FOUND OUT A WAY TO IN VIVO MARK SINGLE
4 CELLS, AND HE'S USED THAT TO TRACK THEIR FATE. AND
5 WHAT HE HAS PREVIOUSLY SHOWN, AND THIS IS IN A
6 MOUSE, HE HAS SHOWN THAT THE BRANCHING IN A LUNG, SO
7 GOING FROM ONE CELL TO THIS VERY COMPLEX STRUCTURE
8 DURING DEVELOPMENT IS THE RESULT OF ONLY THREE
9 BRANCHING MODES IN THREE DIFFERENT SEQUENCES. IT'S
10 LIKE A COMPUTER PROGRAM AND SUBROUTINE. AND IT'S
11 JUST BEAUTIFUL WORK THAT HE'S DONE.

12 HE'S NOW EXTENDED THIS TO DEFINE SIMILAR
13 TYPES OF DEVELOPMENTAL PATHWAYS FOR THE PULMONARY
14 ARTERIES AND VEINS IN THE AIRWAY SMOOTH MUSCLE
15 DEVELOPMENT. HE HAS DEFINED TEN-KEY SIGNALING
16 PATHWAYS. HE HAS FOUND NEW MOLECULES. WHY IS
17 THIS -- WHY COULD THIS BE IMPORTANT TO US? CHRONIC
18 ASTHMA IS HYPERPROLIFERATION OF THE SMOOTH MUSCLE
19 DEVELOPMENT. IF WE UNDERSTAND THIS A LITTLE BIT
20 MORE, WE MAY BE ABLE TO COME UP WITH SOME THERAPIES.
21 SO THAT WAS ONE TALK THAT I THINK WAS A HIGHLIGHT.

22 THERE'S ANOTHER -- THERE WAS ANOTHER TALK
23 FROM HANS CLEVER OF THE HUBRECT INSTITUTE IN THE
24 NETHERLANDS. AND WHAT HE'S DONE, HE'S IDENTIFIED A
25 PROTEIN CALLED LRG 5, WHICH HAS BEEN SHOWN TO

BARRISTERS' REPORTING SERVICE

1 SPECIFICALLY MARK SIX CELLS IN WHAT'S CALLED THE
2 CRYPT OF THE INTESTINAL VILLI. AND WHAT HE'S SHOWN
3 IS THAT THESE ARE THE CELLS THAT GIVE RISE TO ALL
4 THE OTHER -- TO THE INTESTINE BASICALLY. THEY GIVE
5 RISE TO THE INTESTINE. NOT ONLY DO THEY GIVE RISE
6 TO ALL THE INTESTINAL LINEAGE CELLS, THE VILLI, BUT
7 ALSO TO THE GUT STEM CELLS.

8 PROBABLY ONE OF THE NEATEST THINGS HE'S
9 SHOWN IS THAT YOU CAN TAKE ONE OF THESE CELLS AND
10 YOU CAN PUT IT IN VITRO UNDER CERTAIN CONDITIONS AND
11 YOU CAN GET A LITTLE VILLI. YOU CAN GET A LITTLE
12 INTESTINE FORMED. SO IT CREATES ITS OWN NICHE. IT
13 IS SELF-INSTRUCTIVE. THIS IS VERY DIFFERENT FROM
14 YOUR BLOOD-FORMING CELLS WHICH HAVE A REQUIREMENT
15 FOR A SPECIFIC NICHE. SO THIS IS VERY EXCITING. IT
16 ALSO ACTUALLY MAY OFFER SOME CLUES TO INTESTINAL
17 CELL CANCER. SO HE'S FINDING SOME CORRELATE THERE
18 AS WELL.

19 THE OTHER THING -- SO YOU'VE HEARD
20 ABOUT -- THESE ARE BOTH TWO EXAMPLES OF CELL
21 BIOLOGISTS DOING WORK TO ACTUALLY DEFINE DEVELOPMENT
22 DIFFERENTIATION PATHWAYS. THAT'S A STARTING POINT.
23 NOW YOU HAVE DOUG MELTON. DOUG MELTON IS SAYING I
24 NEED BETA CELLS. I NEED BETA CELL PROGENITORS AND I
25 NEED A LOT OF THEM. AND SO THE PATHWAYS THAT YOU

BARRISTERS' REPORTING SERVICE

1 SEE OR THE DEVELOPMENTAL PATHWAYS THAT USE COMPLEX
2 GROWTH FACTORS AND THINGS LIKE THAT, HE WANTS TO DO
3 IT DIFFERENTLY. SO HE HAS DEVELOPED SCREENING
4 METHODS WHEREBY HE HAS IDENTIFIED TWO SMALL
5 MOLECULES THAT CAN SUBSTITUTE FOR GROWTH FACTORS,
6 WHAT HAVE YOU, AT TWO DIFFERENT STAGES IN THE
7 DIFFERENTIATION FROM ES CELLS TO ESSENTIALLY THE
8 PANCREATIC PROGENITOR. SO HE'S NOT COVERED ALL THE
9 STEPS THERE, BUT HE'S COVERED A COUPLE OF THEM.

10 HE'S ONLY GOT PROBABLY ABOUT 30 PERCENT
11 EFFICIENCY AT THIS POINT. HE CAN GO FROM DEFINITIVE
12 ENDODERM TO PANCREATIC PROGENITOR WITH A LITTLE
13 LESS, ABOUT 30-PERCENT EFFICIENCY. THAT'S PROBABLY
14 NOT GOOD ENOUGH. HE HASN'T FUNCTIONALLY
15 CHARACTERIZED THIS YET, BUT THIS SHOWS WHAT YOU CAN
16 DO WHEN YOU HAVE ASSAYS AND YOU HAVE LIBRARIES.

17 AND THIS IS WHAT YOU ARE GOING NEED. HE'S
18 CONVINCED THAT THE ONLY WAY YOU ARE GOING TO GET THE
19 CELL NUMBERS YOU NEED FOR BETA CELL PROGENITORS IS
20 STARTING WITH AN ES POPULATION. SO THAT'S THE FOCUS
21 HE'S TAKING.

22 I WANTED TO TELL YOU A LITTLE BIT ABOUT
23 TRANSLATIONAL HIGHLIGHTS. AGAIN, WE TALK ABOUT
24 WHAT'S BASIC BIOLOGY DO FOR US. WELL, THERE'S BEEN
25 SOME VERY BEAUTIFUL WORK IN DEVELOPING THE ZEBRAFISH

BARRISTERS' REPORTING SERVICE

1 AS A MODEL SYSTEM. AND ONE OF THE THINGS THAT
2 THEY'VE DONE IS THEY'VE IDENTIFIED, I BELIEVE IT'S
3 CALLED, AN ALBINO ZEBRAFISH. IT'S GOT VARIOUS
4 REPORTERS IN IT. IT REALLY ALLOWS TO YOU TRACK
5 WHAT'S GOING ON.

6 AND SO LEONARD ZON AT THE HARVARD STEM
7 CELL GROUP, WHAT HE'S DONE -- WELL, FIRST, THE UNMET
8 NEED IS I THINK WE'VE ALL KNOWN THAT UMBILICAL CORD
9 BLOOD TRANSPLANT, SO A SINGLE CORD IS INSUFFICIENT
10 NUMBER OF STEM CELLS TO TYPICALLY HELP AN ADULT. SO
11 IN ADULT CELL LEUKEMIA, IF YOU USE A SINGLE CORD,
12 YOU'LL ONLY GET 40 PERCENT ENGRAFTMENT EFFICIENCY,
13 AND THAT'S NOT GOOD ENOUGH. SO A HOLY GRAIL IN THE
14 FIELD HAS BEEN TO TRY AND EXPAND THE HEMOPOIETIC
15 STEM CELLS IN THE CORD.

16 WHAT HE HAS DONE IS HE HAS USED THE
17 ZEBRAFISH, AND WHAT THE ZEBRAFISH HAVE IS THEY HAVE
18 A REGION THAT IS WHAT'S CALLED A HEMOGENIC
19 ENDOTHELIUM, WHICH MEANS THE LINING OF YOUR BLOOD
20 VESSEL. THERE'S ONE PART OF IT IN THE ZEBRAFISH
21 THAT GIVES RISE ESSENTIALLY TO ALL YOUR HEMOPOIETIC
22 CELLS. HE HAS USED A VERY SELECTIVE CHEMICAL
23 LIBRARY. MANY OF THE COMPOUNDS ARE ALREADY
24 APPROVED. HE'S SCREENED THAT LIBRARY IN THIS ASSAY
25 WHERE HE CAN LOOK AT THESE ZEBRAFISH AND FIND THESE

BARRISTERS' REPORTING SERVICE

1 LITTLE BLOOD CELLS DEVELOPING, AND HE HAS IDENTIFIED
2 A COMPOUND WHICH, IN FACT, ALLOWS THIS TO HAPPEN.

3 AND THAT COMPOUND HAS BEEN -- IT'S
4 ACTUALLY -- IT'S PROSTAGLANDIN E2 ACTUALLY. AND
5 WHAT HE'S DONE IS HE'S ALREADY -- AND IND HAS BEEN
6 SUBMITTED AND A CLINICAL STUDY HAS BEEN APPROVED
7 WHERE TWO CORDS WILL BE USED FOR A TRANSPLANT FOR
8 LEUKEMIA. ONE WILL BE TREATED EX VIVO WITH THIS
9 COMPOUND, AND THEN HE WILL LOOK TO SEE WHICH ONE
10 DOMINATES THE ENGRAFTMENT PROCEDURE.

11 SO IT'S ACTUALLY BEEN A VERY -- THIS HAS
12 ONLY BEEN A COUPLE OF YEARS. THIS IS ONE OF THOSE
13 SITUATIONS WHERE, YOU KNOW, YOU'VE GOT A MOLECULE
14 THAT PEOPLE KNOW ABOUT. YOU'RE DOING AN EX VIVO
15 SITUATION, AND YOU CAN MOVE INTO THE CLINIC QUICKLY.

16 THE ONLY OTHER ONE I WANTED TO TALK ABOUT,
17 AND SOME OF YOU MAY BE FAMILIAR WITH THIS WORK.
18 JOHN WAGNER PRESENTED THIS AT THE STANDARDS WORKING
19 GROUP, I THINK, LAST YEAR WHERE HE TALKED ABOUT THIS
20 DISEASE CALLED RECESSIVE DYSTROPHIC EPIDERMOLYSIS
21 BULLOSA, RDEB. AND THIS IS REALLY A TERRIBLE
22 DISEASE. AND WHAT IT IS IT'S A RECESSIVE MUTATION
23 IN COLLAGEN 7 WHICH RESULTS IN THE SKIN, THE
24 EPIDERMIS, THE SKIN, OUTER LAYER OF THE SKIN, NOT
25 ANCHORING TO THE DERMIS.

BARRISTERS' REPORTING SERVICE

1 AND CHILDREN WHO ARE BORN WITH THIS
2 DISEASE DON'T HAVE A VERY GOOD PROGNOSIS. BASICALLY
3 THEIR SKIN SLOUGHS OFF. AND SO THIS IS REALLY NOT
4 GOOD.

5 AND WHEN JOHN TALKED ABOUT THIS LAST YEAR,
6 I BELIEVE HE COMPLETED HIS PRECLINICAL STUDIES IN AN
7 ANIMAL MODEL, AND HE MAY HAVE TREATED ONE PATIENT.
8 WHAT THEY'RE USING IS ALLOGENEIC BONE MARROW STEM
9 CELLS, SO THEY ISOLATE BONE MARROW. THEY'VE
10 ACTUALLY TREATED, I BELIEVE, SIX PATIENTS AT THIS
11 POINT. FOUR OF THE SIX PATIENTS ARE STILL ALIVE,
12 AND THEY'RE ACTUALLY SEEING MEASURABLE OUTCOMES.
13 THEY'RE SHOWING OVER TIME INCREASED COLLAGEN 7
14 PRODUCTION. THEY'RE SHOWING AN INCREASE IN
15 ANCHORING FIBRILS WITH A HIGH DEGREE OF STATISTICAL
16 SIGNIFICANCE. BUT PERHAPS MOST IMPORTANTLY FOR THE
17 PATIENTS, THEY'RE ACTUALLY SEEING THE SKIN HEALING.

18 SO THIS IS JUST ONE OF THESE REALLY
19 IMPRESSIVE EXAMPLES WHERE YOU CAN REALLY -- IT'S AN
20 ORPHAN DISEASE, BUT IT REALLY TELLS YOU THAT WHEN
21 YOU GET IT RIGHT, YOU CAN REALLY MAKE A DIFFERENCE.

22 (APPLAUSE.)

23 MR. SHEEHY: CAN I ASK A QUICK QUESTION,
24 PAT? DO THEY DO MYOABLATION, PARTIAL OR FULL?

25 DR. OLSON: OH, YEAH. ACTUALLY I THINK

BARRISTERS' REPORTING SERVICE

1 THEY DID DO A CONDITIONING REGIMEN.

2 MR. SHEEHY: DO YOU KNOW WHAT THAT WAS?

3 DR. OLSON: CYCLOPHOSPHAMIDE, BUSULFAN,
4 AND FLUDARABINE.

5 MR. SHEEHY: IT WAS A PARTIAL ABLATION?

6 DR. OLSON: I THINK IT WAS PARTIAL.

7 MR. SHEEHY: SO WHAT WAS HIS ENGRAFTMENT
8 LIKE? THEY GOT GOOD --

9 DR. OLSON: THEY ACTUALLY SHOWED -- THEY
10 SHOWED CHIMERISM IN BOTH THE ORAL MUCOSA IN THE SKIN
11 UP TO 27 PERCENT FROM THE DONOR.

12 MR. SHEEHY: SO THIS WORKED PRETTY --

13 DR. OLSON: YEAH. SO IT ACTUALLY WORKED
14 PRETTY WELL.

15 CHAIRMAN KLEIN: THIS IS A FOLLOW-ON FROM
16 THE PRESENTATION AT OUR STANDARDS WORKING GROUP.

17 MR. SHEEHY: HE WAS DOING THIS WITH CORD
18 BLOOD FROM MATCHED SIBLINGS.

19 DR. OLSON: HE'S DOING IT WITH BOTH. HE
20 ACTUALLY --

21 MR. SHEEHY: THIS IS A GREAT EVENT. JOHN
22 IS A GREAT MAN.

23 CHAIRMAN KLEIN: SO ONE OF OUR GREAT
24 BENEFITS OF HAVING TREMENDOUS CONTRIBUTIONS AND
25 PARTICIPATION FROM MEMBERS FROM OUT OF STATE ON OUR

BARRISTERS' REPORTING SERVICE

1 STANDARDS COMMITTEE AND IN OUR PEER REVIEW IS WE GET
2 THE EARLY INSIGHTS INTO THIS TYPE OF BEAUTIFUL
3 INNOVATION.

4 DR. TROUNSON: SO, CHAIR, WE WANT TO BRING
5 UP THE -- JUST BRING YOU UP TO SPEED ON
6 REIMBURSEMENT OF STEM CELL THERAPIES, THE WORK THAT
7 WE'RE DOING. SO IF ELONA CAN FILL YOU IN BRIEFLY ON
8 THAT.

9 MS. BAUM: I GUESS I HAVE TO SAY GOOD
10 EVENING, I THINK, TECHNICALLY SPEAKING. AS ALAN
11 SAID, I JUST HAVE A FEW SLIDES TO GET YOU UP TO DATE
12 ON THE REIMBURSEMENT PROJECT THAT WE'RE DOING.
13 WE'RE NOT EVEN AWARE IF YOU KNOW THAT THIS IS GOING
14 ON. BUT BEFORE I START WITH MY FEW SLIDES, I WANTED
15 TO GIVE A VERY BIG THANK YOU TO DON GIBBONS WHO'S
16 BEEN DRIVING THE PROJECT ON A DAY-TO-DAY BASIS.

17 LET ME GIVE YOU A LITTLE BACKGROUND.
18 OBVIOUSLY I DON'T HAVE TO TELL YOU WHAT THE MISSION
19 IS. BUT AS PART AND PARCEL OF THE MISSION, WE ALL
20 UNDERSTAND THAT WE HAVE TO IDENTIFY POTENTIAL
21 BARRIERS TO CIRM SUCCESS. AND IT'S MY UNDERSTANDING
22 SOME TIME AGO THAT THE BOARD ACTUALLY THOUGHT THAT
23 OR INQUIRED AS TO WHETHER OR NOT REIMBURSEMENT
24 ISSUES WOULD PRESENT A BARRIER FOR THE SUCCESS OF
25 OUR MISSION. AND STAFF TOOK THIS VERY SERIOUSLY,

BARRISTERS' REPORTING SERVICE

1 AND WE HAVE UNDERTAKEN A BRIEF STUDY ON THIS ISSUE.
2 AND I'M JUST APPRISING YOU OF THE FACT THAT WE ARE
3 UNDERTAKING THIS STUDY AND THAT WE WILL HAVE RESULTS
4 SHORTLY.

5 I WANT TO SET THE GROUNDWORK BY STATING
6 THAT I THINK THERE'S TWO SORT OF LENSES THAT YOU CAN
7 LOOK AT THE REIMBURSEMENT ISSUE FROM. THE FIRST IS
8 SORT OF THE PATIENT PERSPECTIVE. WHAT'S THE
9 LIKELIHOOD OF COVERAGE? WHAT WOULD THE SCOPE BE?
10 THE OTHER IS ALSO FROM THE PERSPECTIVE OF INDUSTRY.
11 WE WANT TO MAKE SURE THAT THE SCOPE OF COVERAGE WILL
12 BE AT A PRICE TO CONTINUE TO INCENTIVIZE INVESTMENT
13 IN THAT AREA. SO IT'S WITH THAT LENS THAT WE'RE
14 UNDERTAKING THIS REVIEW.

15 AND WHAT WE'VE DONE IS WE HAVE HIRED THE
16 NICHOLAS PETRIS CENTER, THANKS TO ED PENHOET WHO
17 CONNECTED US WITH THEM. THEY'RE MUCH ESTEEMED AND
18 THEY'VE DONE A TERRIFIC JOB ON HELPING US SCOPE THE
19 PROJECT IN A VERY ECONOMICAL WAY.

20 OUR OBJECTIVE IS TO UNDERSTAND THE
21 MAGNITUDE THAT MIGHT EXIST, IF IT DOES EXIST, IN
22 ONLY SORT OF A VERY HIGH LEVEL WAY, BUT ALSO TO
23 IDENTIFY WHERE HURDLES WOULD EXIST AS WELL.

24 AND THE APPROACH IS PRETTY SIMPLE, BUT I
25 THINK WE'LL GET SOME TERRIFIC INFORMATION FROM IT.

BARRISTERS' REPORTING SERVICE

1 WHAT WE'RE DOING IS WE'RE INTERVIEWING THE KEY
2 THOUGHT LEADERS IN THIS AREA, AND WE WILL BE DRAWING
3 FROM GOVERNMENT BUT ALSO FROM INDUSTRY. WE'VE
4 ALREADY OR THEY ACTUALLY, THE PETRIS CENTER, HAS
5 ALREADY INTERVIEWED SOME KEY THOUGHT LEADERS AT CMS,
6 CENTERS FOR MEDICAID AND MEDICARE SERVICES. I
7 HAPPEN TO KNOW THAT GENENTECH HAS AGREED TO
8 PARTICIPATE IN ONE OF THESE INTERVIEWS.

9 I THINK GENENTECH IS IMPORTANT BECAUSE
10 THEY'VE GOTTEN APPROVALS AND REIMBURSEMENTS FOR
11 LUCENTIS FOR MACULAR DEGENERATION, WHICH I
12 UNDERSTAND IS A RELATIVELY EXPENSIVE DRUG, AND
13 THAT'S THE CONCERN HERE AND, OF COURSE, SOME STEM
14 CELL COMPANIES. NEVER TRY TO SAY THAT REALLY
15 QUICKLY.

16 LIKE I SAID, THIS IS A REALLY SHORT
17 PRESENTATION. WE'RE EXPECTING A DRAFT REPORT FROM
18 THE PETRIS CENTER IN SEPTEMBER. AND, AGAIN, WE WILL
19 PRESENT IT TO THE BOARD IN OCTOBER. AND, AGAIN, THE
20 PURPOSE IS TO SIMPLY INFORM THE BOARD. WE DON'T
21 KNOW WHETHER OR NOT THERE TRULY IS AN ISSUE; BUT IF
22 THERE IS AN ISSUE, AT THAT TIME I THINK WOULD BE THE
23 APPROPRIATE TIME TO DISCUSS POTENTIAL ACTIONS.

24 DR. PRIETO: AS PART OF THIS REPORT, ARE
25 YOU LOOKING AT OR ARE THEY LOOKING AT WHAT OTHER

BARRISTERS' REPORTING SERVICE

1 COUNTRIES ARE DOING AND WHETHER THEY'VE DEVELOPED
2 POLICIES YET?

3 MS. BAUM: NO. IT'S NOT ON THAT LARGE OF
4 A SCALE. IT'S REALLY WHAT WE ANTICIPATE HERE IN
5 TERMS OF POTENTIAL HURDLES. SINCE WE'RE SORT OF IN
6 A GAME-CHANGING STATE, IT'S A VERY APT TIME TO BE
7 UNDERSTANDING WHAT THE LANDSCAPE IS. AND IF THERE
8 ARE ANY POTENTIAL HURDLES, MAYBE THIS IS THE TIME TO
9 TAKE SOME ACTION.

10 CHAIRMAN KLEIN: DR. PRIETO, THEY ARE
11 INVOLVING ART TORRES IN THIS PROCESS. SO GIVEN THAT
12 HE WAS THE PRIOR SENATE CHAIR OF THE INSURANCE
13 COMMITTEE, HE'S WORKING WITH THEM ON THE ISSUE OF
14 REIMBURSEMENT, MEDICARE, MEDICAID, AND OTHER
15 REIMBURSEMENT PROGRAMS, AS WELL AS GOVERNMENTAL
16 REIMBURSEMENT PROGRAMS UNDER MEDI-CAL AND PRIVATE
17 INSURANCE ISSUES. BUT THIS, YOU CAN ANTICIPATE, IS
18 GOING TO, I THINK, BE A PRELIMINARY IDENTIFICATION
19 REPORT OF OBJECTIVES IN OCTOBER. AT LEAST I WOULD
20 EXPECT IT TO BE, AND IT'S GOING TO TAKE A LONG TIME
21 TO WORK THROUGH THE INSURANCE GOVERNMENTAL
22 REIMBURSEMENT ISSUES THAT ARE INVOLVED HERE. IT'S A
23 VERY HELPFUL FIRST STEP, BUT IS ONE OF MANY STEPS,
24 INCLUDING, I THINK, YOUR SUGGESTION, WHICH THEY
25 CAN'T GET DONE BY OCTOBER, BUT DOWNSTREAM CERTAINLY

BARRISTERS' REPORTING SERVICE

1 OUR COLLABORATORS IN THE UNITED KINGDOM AND CANADA
2 AND AUSTRALIA AND OTHER COUNTRIES CAN PROVIDE US
3 SOME INPUT. DUANE.

4 MR. ROTH: YES. SO ONE OF THE KEY ISSUES
5 HERE TO ME IS TO MAKE SURE WE UNDERSTAND THE COST OF
6 THESE DISEASES, NOT THE REIMBURSEMENT, BUT WHAT DOES
7 IT REALLY COST BECAUSE WHAT WE'RE TRYING TO ADDRESS
8 IS NOT A TREATMENT, BUT A CURE. AND WHAT IS THE
9 VALUE OF A CURE? AND CAN YOU PUT THAT FORWARD
10 BEFORE YOU EVER START TALKING ABOUT WHAT WE'RE GOING
11 TO REIMBURSE?

12 SO TO ME, IF I HAVE A DISEASE, A
13 DEBILITATING DISEASE, I'D WANT TO MAKE SURE THAT MY
14 SOCIETY OR MY ORGANIZATION UNDERSTOOD HOW MUCH MONEY
15 WOULD BE SAVED, NOT EVEN THE HUMAN COST, THE DIRECT
16 COST PER PATIENT ON AVERAGE TO CURE THAT DISEASE.
17 AND THAT'S THE STARTING POINT THAT I THINK WE HAVE
18 TO GET TO. THEN THE REGULATORS, THE REIMBURSERS,
19 AND THE INDUSTRY HAVE SOMETHING UP HERE THEY CAN
20 POINT TO THAT WASN'T LOOKED AT AS A BIASED NUMBER.
21 SO I HOPE THAT'S PART OF WHAT THEY'RE GOING TO GET
22 AT TO REALLY UNDERSTAND IF YOU CURE TYPE 1 DIABETES,
23 WHAT'S THE VALUE OF THAT OVER THE LIFETIME?

24 CHAIRMAN KLEIN: SO THERE IS, DUANE, AN
25 ONGOING STUDY THAT MAYBE DR. TROUNSON CAN COMMENT,

BARRISTERS' REPORTING SERVICE

1 AN ECONOMIC STUDY, TO IDENTIFY THE DIRECT AND
2 INDIRECT BENEFITS FROM THESE THERAPEUTIC ADVANCES.
3 DR. TROUNSON, WOULD YOU LIKE TO ADDRESS THAT?

4 DR. TROUNSON: WELL, YOU ARE MAKING A VERY
5 GOOD POINT. AND WE'RE TAKING THE MYELIN
6 PROLIFERATIVE DISORDER AS ONE EXAMPLE. WHAT WE NEED
7 TO DO IS GET SOME EXAMPLES WHERE THERE IS SOME IDEA
8 OF WHAT THE COST MIGHT BE. SO WE'RE IN THIS STAGE
9 WHERE SOME OF THAT IS STILL RATHER UNKNOWN. BUT
10 WHERE THERE ARE SOME KNOWN ABOUT IT, THAT'S WHERE
11 WE WANT TO DERIVE ADDITIONAL DATA.

12 SO YOU'RE ABSOLUTELY RIGHT, DUANE, BUT WE
13 NEEDED TO MAKE A START SOMEWHERE. WE WILL MAKE SOME
14 ASSUMPTIONS, I THINK, IN THE FIRST PLACE ABOUT THE
15 COST OF SOME CELL THERAPIES AND SOME PHARMACEUTICAL
16 THERAPEUTICS AND JUST SEE HOW THAT WORKS.

17 CHAIRMAN KLEIN: SO I WAS SPECIFICALLY
18 REFERRING WE HAVE A CONTRACTED ECONOMIC STUDY. AND
19 I THINK WHAT DR. TROUNSON IS REFERRING TO IS, AS A
20 SUBSET OF THAT CONTRACTED ECONOMIC STUDY, ONE OF THE
21 CASES THEY'RE BEING ASKED TO LOOK AT IS KATRINA
22 JAMIESON'S BIOPROLIFIC BLOOD DISEASE, AT LEAST
23 LEUKEMIA, ON A COST-BENEFIT ANALYSIS AS AN EARLY
24 EXAMPLE OF POTENTIAL SAVINGS, BUT IT'S A MUCH
25 BROADER STUDY THAT GOES ACROSS A SPECTRUM OF DISEASE

BARRISTERS' REPORTING SERVICE

1 TO IDENTIFY THE COST OF THOSE DISEASES AS A
2 BACKGROUND DATABASE THEY CAN USE TO ACCOMPLISH WHERE
3 YOU'RE GOING, I THINK, DUANE.

4 MR. ROTH: THAT'S CORRECT. AND IT'S JUST
5 I SO WORRY ABOUT NOT DOING THIS PROSPECTIVELY. ONCE
6 A DRUG IS PUT FORWARD AND YOU CAN SEE IT AND THE
7 COMPANY OR SOMEONE SAYS THIS IS THE VALUE, EVERYBODY
8 SAYS, "WHAT, ARE YOU KIDDING ME? THAT'S THE VALUE?
9 HOW DID YOU CALCULATE THAT?" AND IT BEGINS WITH THE
10 BIAS. INSTEAD OF PUTTING THAT OUT HERE FIRST BEFORE
11 A DRUG EXISTS, SAYING IF A DRUG EXISTS, THIS IS WHAT
12 THE SAVINGS WOULD TRULY BE, THE OUT-OF-POCKET COST,
13 NOT THE HUMAN SUFFERING AND ALL THAT, BUT
14 PRODUCTIVITY, THINGS LIKE THAT.

15 SO GETTING THAT OUT IN FRONT WILL PULL
16 PEOPLE TOWARDS THAT, INCLUDING THE REIMBURSEMENT
17 AGENCIES. AND IF WE COULD ALL AGREE ON THAT, THAT
18 CREATES GREAT INCENTIVE FOR COMPANIES THEN TO
19 INVEST, WHICH IS OUR BIGGEST CONCERN HERE. WHO WILL
20 PAY FOR A CURE?

21 WE KNOW WHAT THEY'LL PAY FOR A TREATMENT
22 THAT WILL MAINTAIN SOMEBODY, BUT WHO WILL PAY IF YOU
23 REALLY CURE ONE OF THESE, ESPECIALLY THESE CHILDHOOD
24 DISEASES? THAT'S MY BIG CONCERN.

25 DR. TROUNSON: WE'RE TRYING TO DO THAT,

BARRISTERS' REPORTING SERVICE

1 BUT THERE'S SOME RELUCTANCE ON BEHALF OF SOME OF THE
2 ORGANIZATIONS TO GIVE US A REALITY EXAMPLE. SO WHAT
3 WE'RE TRYING TO DO IS WORK IT THROUGH IN THE
4 PROCESS. IF IT WENT THIS WAY, WHAT WOULD YOU
5 IMAGINE IT MIGHT BE? SO THERE IS SOME NECESSITY AT
6 THIS POINT IN TIME THAT THEY DON'T WANT TO PREJUDICE
7 A PRICE THEMSELVES, BUT WE'RE WORKING OUR WAY
8 TOWARDS IT AS BEST WE CAN, DUANE. WE AGREE WITH
9 WHAT YOU ARE SAYING.

10 MS. BAUM: IT'S STANDARD PRACTICE, AT
11 LEAST AMONG THE LARGER BIOTECH AND PHARMA, TO START
12 THE PROCESS, THE DIALOGUE, ON REIMBURSEMENT AT THE
13 PHASE I STAGE.

14 MR. ROTH: SO THAT'S THE PROBLEM. IT'S
15 COMPANY DATA. WHAT I'M SUGGESTING IS IT OUGHT TO BE
16 A GROUP LIKE OURS OR DISEASE ASSOCIATIONS
17 PROSPECTIVELY DOING THAT. ONCE THE COMPANY GETS
18 INVOLVED, BIAS SETS IN AND EVERYBODY HAS AN OPINION
19 ABOUT THAT. I'VE BEEN THERE. I UNDERSTAND THIS
20 PERFECTLY. I'M TRYING TO SUGGEST THAT IF YOU HAVE
21 THESE DEBILITATING DISEASES FOR WHICH THERE ARE NO
22 CURES AND YOU WANT CURES, THAT YOU OUGHT TO AT LEAST
23 KNOW WHAT YOUR COST OF YOUR DISEASE IS SO THAT
24 SOMEBODY CAN LOOK AT IT OBJECTIVELY BEFORE A
25 POTENTIAL CURE. AND THEY GO CAN YOU BELIEVE THESE

BARRISTERS' REPORTING SERVICE

1 GREEDY? THAT'S WHAT HAPPENS ONCE THE COMPANY GETS
2 INVOLVED.

3 MS. BAUM: WHAT I WAS GOING TO SAY IS THAT
4 THE ECONOMIC IMPACT STUDY THAT WE ARE CONDUCTING
5 WILL BE HELPFUL WHEN THEY GO IN TO MAKE THEIR PITCH
6 ON COVERAGE ESSENTIALLY.

7 CHAIRMAN KLEIN: I THINK, DUANE, LET'S
8 TAKE THIS INTERNALLY AND IN EXECUTIVE COMMITTEE TRY
9 AND DEVELOPMENT A PRIORITY BECAUSE YOUR POINT IS
10 CLEARLY HISTORICALLY VERY ACCURATE, AND
11 PROSPECTIVELY WE SHOULD LEARN FROM THE HISTORY. I
12 DO THINK THAT THE ECONOMIC STUDY THAT'S UNDER
13 CONTRACT WILL GIVE US SOME OF THIS DATA, AND THERE
14 ARE OTHER SOURCES THAT WE PREVIOUSLY IDENTIFIED
15 RELATED TO THE UNIVERSITY OF PENNSYLVANIA AND SOME
16 OTHER WELL-KNOWN NATIONAL RESEARCHERS THAT WORK WITH
17 THE NIH AND THE CONGRESSIONAL BUDGET OFFICE THAT CAN
18 SERVE AS A DATA STARTING POINT. BUT THIS IS A
19 PROCESS THAT'S GOING TO TAKE SOME TIME, SO WE'LL
20 INTERNALIZE THAT AND TRY AND WORK WITH DR. TROUNSON
21 AND HIS STAFF TO GET TO THIS OBJECTIVE AND REPORT
22 BACK TO THE BOARD.

23 MS. BAUM: DR. PRIETO.

24 DR. PRIETO: I JUST WANT TO MAKE SURE THAT
25 WE'RE TAKING A BIG ENOUGH -- LOOKING AT A BIG ENOUGH

BARRISTERS' REPORTING SERVICE

1 PICTURE HERE. I THINK I VERY MUCH AGREE WITH WHAT
2 DUANE IS SAYING, THAT THE COST OF THE DISEASE, AND A
3 LOT OF THAT DATA IS AVAILABLE. I KNOW MY
4 ASSOCIATION CAN TELL YOU SOME COSTS OF DIABETES,
5 LIFETIME COST AND ANNUAL COSTS AND TYPICAL
6 OUT-OF-POCKET COSTS. BUT ALSO IT'S NOT JUST THE
7 SCIENTIFIC GAME THAT'S CHANGING HERE, AND THERE ARE
8 OTHER MODELS FOR HOW OTHER COUNTRIES ARE HANDLING
9 THESE ISSUES.

10 THE UK, FOR EXAMPLE, HAS THE NICE, WHICH
11 SPECIFICALLY LOOKS AT QUESTIONS LIKE THIS IN
12 DECIDING WHAT THE DISPOSITION IS GOING TO BE WITH A
13 REGARDS TO A PARTICULAR NEW TREATMENT OR HOPEFULLY
14 WILL PRESENT THEM WITH A NEW CURE IN MAKING
15 DECISIONS LIKE THAT. AND I THINK WE CAN LEARN
16 SOMETHING FROM THAT.

17 MS. BAUM: THAT'S GREAT INPUT.

18 CHAIRMAN KLEIN: ELONA.

19 DR. TROUNSON: I THINK THAT'S A GOOD
20 POINT. WE WANTED TO TAKE THAT UP IN THE NEXT PHASE
21 RATHER THAN -- THESE PEOPLE WEREN'T REALLY SORT OF
22 CAPABLE OF GETTING ACROSS THAT SPACE, BUT THERE'S A
23 NEXT PHASE THAT HAS TO DO THAT.

24 CHAIRMAN KLEIN: DR. LOVE.

25 DR. LOVE: ELONA, I WANTED TO NOT ONLY

BARRISTERS' REPORTING SERVICE

1 AGREE WITH DUANE AND FRANCISCO, BUT ALSO REASSURE
2 YOU THAT I ACTUALLY TALKED TO THE GROUP EARLIER
3 TODAY. AND I SPECIFICALLY WENT THROUGH NICE AND
4 WHAT THEY'RE DOING, SPECIFICALLY TALKED ABOUT
5 DIABETES AND THE COST OF THAT, HEART FAILURE, THE
6 COST OF THAT, TO MAKE THOSE COSTS GO AWAY. SO AT
7 LEAST AS A PROCESS, I THINK THEY'RE SENSITIVE TO THE
8 ISSUES. I DON'T KNOW WHAT THE REPORT WILL LOOK
9 LIKE, BUT I THINK YOUR POINTS HAVE ALREADY BEEN
10 ARTICULATED TO THE GROUP.

11 MS. BAUM: VERY GLAD TO HEAR THAT. THAT'S
12 ALL I HAD. IT WAS REALLY JUST A STATUS UPDATE WITH
13 THE REAL INFORMATION COMING IN OCTOBER.

14 CHAIRMAN KLEIN: THERE ARE SEVEN DISEASES
15 ON WHICH THERE IS VERY DETAILED RESEARCH INFORMATION
16 FROM THE ORIGINAL ECONOMIC STUDIES THAT WERE DONE
17 DURING THE CAMPAIGN THAT DREW ON NIH SOURCES,
18 CONGRESSIONAL SOURCES, AND UNIVERSITY-BASED SOURCES
19 THAT WE BELIEVE ARE UNBIASED COST ANALYSIS OF THE
20 LONG-TERM COST OF CHRONIC DISEASE. THE MOST RECENT
21 CONGRESSIONAL TESTIMONY HAS SUGGESTED, IN TERMS OF
22 THE HEALTHPLAN THAT'S BEEN PROPOSED, THAT 74 PERCENT
23 OF THE HEALTH COSTS IN THIS COUNTRY ARE FROM CHRONIC
24 DISEASE. SO IF YOU CAN HAVE EARLY INTERVENTION,
25 THERE'S A TREMENDOUS VALUE THERE, BUT YOU HAVE TO

BARRISTERS' REPORTING SERVICE

1 IDENTIFY THAT IMMEDIATELY, INTERVENTION AS A CURE.
2 DR. TROUNSON.

3 DR. TROUNSON: I WONDER IF WE CAN ASK DON
4 GIBBONS TO JUST UPDATE YOU QUICKLY ON STEM CELL
5 AWARENESS DAY, WHICH IS NEARBY.

6 MR. GIBBONS: GOOD EVENING AND THANKS FOR
7 LETTING ME UPDATE YOU WITH THREE TOPICS VERY
8 QUICKLY. FIRST OFF, THERE'S ANOTHER WHITE PAPER
9 THAT WE'RE WORKING ON. THIS ONE I'M TEAMING UP WITH
10 GEOFF LOMAX FOR OBVIOUS REASONS. AS WE MOVE TOWARD
11 THE CLINIC, WE REALLY NEED TO MAKE SURE THAT ANY
12 CLINICAL TRIALS WE FUND REFLECT THE DIVERSITY OF THE
13 CALIFORNIA POPULATION. AND THERE HAVE BEEN SOME
14 VERY BIG HISTORICAL ROADBLOCKS TO RECRUITMENT IN
15 TRIALS IN GETTING A GOOD CROSS-SECTION OF THE
16 POPULATION INTO TRIALS.

17 SO AS A FIRST STEP, WE WANTED TO TAKE A
18 LAY OF THE LAND, JUST A LISTENING TOUR OF THE STATE
19 TO SEE WHAT THE SITUATION WAS. SO VERY EARLY ON WE
20 CONTACTED PAM FOBBS, THE CHAIR OF THE ICOC DIVERSITY
21 COMMITTEE, TALKED TO HER ABOUT WHAT WE WERE THINKING
22 ABOUT DOING. SHE WAS COMFORTABLE WITH IT. WE
23 CONTRACTED WITH EMILY FRIEDMAN. SHE'S A WOMAN WHO
24 TEACHES ETHICS AT BU. SHE WROTE THE WHITE PAPER ON
25 DIVERSITY FOR THE AMERICAN HOSPITAL ASSOCIATION,

BARRISTERS' REPORTING SERVICE

1 VERY VERSED IN THE FIELD AND VERY GOOD AT DOING
2 WHITE PAPERS BASED ON TAKING A PULSE FIRST.

3 THIS IS -- SO SHE'S GOING TO LISTEN TO
4 PEOPLE IN THE COMMUNITIES, LISTEN TO RESEARCHERS WHO
5 HAVE WORKED IN THE VARIOUS COMMUNITIES IN CALIFORNIA
6 WITH THE EYE TOWARD LOOKING FOR, NOT ONLY BARRIERS
7 SO WE CAN IDENTIFY BARRIERS, BUT WAYS OVER THEM. WE
8 HOPE TO PRODUCE A GRID THAT SHOWS IN THIS COMMUNITY
9 YOU MAY FIND THIS BARRIER, AND SOMEBODY AT THIS
10 INSTITUTION HAS FOUND A WAY PAST THAT BARRIER SO
11 THAT WE CAN GIVE SOMETHING VERY CONSTRUCTIVE TO OUR
12 GRANTEES THAT SAY HERE'S A WAY AROUND THIS BARRIER.

13 NOW, HER REPORT, WHICH WILL COME TO YOU
14 THIS WINTER SOMETIME, IS REALLY A STARTING POINT.
15 ONE, WE WANT YOUR FEEDBACK ON IT. A LOT OF YOU HAVE
16 EXPERIENCE IN THIS FIELD. BUT, TWO, WE WANT TO TAKE
17 THAT BACK TO THE COMMUNITIES, TAKE IT BACK TO SOME
18 PEOPLE THAT ADVISED THE PROP 71 CAMPAIGN, AND SAY
19 DOES THIS SOUND RIGHT TO YOU, NO. 1. AND, TWO,
20 GETTING PAST THESE BARRIERS ARE PROBABLY BEYOND
21 CIRM'S MEANS. WE WILL NEED TO GO BACK TO THEM AND
22 SAY HOW CAN WE WORK WITH YOU TO LEVERAGE WHAT WE CAN
23 DO WITH WHAT YOU CAN DO TO GET PAST THESE BARRIERS.

24 SO THAT'S ANOTHER WHITE PAPERWORK WE'RE
25 WORKING ON. AGAIN, IT'S LIKE THESE OTHERS. IT'S A

BARRISTERS' REPORTING SERVICE

1 FIRST STEP MOVING DOWN THIS PIPELINE, BUT I THINK
2 IT'S A VERY IMPORTANT ONE.

3 CHAIRMAN KLEIN: DON, ON THAT POINT I
4 WOULD STRONGLY SUGGEST THAT BEFORE A REPORT COMES
5 BACK TO US, THAT IT GOES THROUGH OUR DIVERSITY
6 COUNCIL. THE CALIFORNIA MEDICAL ASSOCIATION HAS A
7 DIVERSITY COUNCIL. THEIR REPRESENTATIVES SIT ON OUR
8 DIVERSITY COUNCIL. AND IT IS IMPORTANT THAT WE NOT
9 JUST STUDY MINORITIES AND THEIR PARTICIPATION, BUT
10 WE REALLY HEAR FROM THE INDIVIDUALS THAT ARE IN THE
11 FIELD ACTIVELY PARTICIPATING.

12 THERE'S SOME GREAT SCHOLARSHIP; BUT UNLESS
13 YOU'RE IN THE FIELD INVOLVED AND UNDERSTAND SOME
14 VERY SUBTLE CULTURAL ISSUES WITH WHY CERTAIN GROUPS
15 DON'T HAVE A HIGH PARTICIPATION RATE IN CLINICAL
16 TRIALS, I DON'T THINK YOU'RE GOING TO GET THE BEST
17 INFORMATION. SO BEFORE IT COMES BACK HERE, I'D LIKE
18 TO HAVE THE ADDITIONAL VOICES AND OPINIONS OF OUR
19 DIVERSITY COUNCIL ADDED TO GIVE US A PERSPECTIVE. I
20 KNOW THE RESEARCHER IS EXTREMELY WELL REGARDED, AND
21 I THINK THIS IS AN IMPORTANT EXERCISE. I APPLAUD
22 YOUR INITIATIVE IN MOVING IT FORWARD. IT'S JUST
23 IMPORTANT THAT THEY MEANINGFULLY PARTICIPATE IN THE
24 REPORT THAT COMES BACK TO US.

25 MR. GIBBONS: THAT'S ALREADY BUILT INTO

BARRISTERS' REPORTING SERVICE

1 THE PROCESS, MR. CHAIRMAN. WE DID INVOLVE PAM UP
2 FRONT AS WELL ANOTHER MEMBER OF HER COMMITTEE. MOST
3 OF THE PEOPLE YOU'RE ADDRESSING ARE ON HER INTERVIEW
4 LIST. SO SHE WILL BE LISTENING TO THEM IN THE
5 PROCESS AND THEN GOING BACK TO THEM AGAIN BEFORE IT
6 COMES BACK TO THE BOARD.

7 AND WE HAVE WORKED WITH PAM ABOUT A
8 WORKSHOP IN JANUARY OR FEBRUARY, AND SO SHE WILL
9 BRING HER ENTIRE COMMITTEE TOGETHER IN JANUARY OR
10 FEBRUARY. AND THE NEXT BOARD MEETING THIS CAN
11 POTENTIALLY GO TO WOULD BE THE END OF FEBRUARY, SO
12 THEY WILL HAVE A CHANCE TO MEET AND REFLECT PRIOR TO
13 THAT BOARD MEETING WHERE WE COME TO YOU.

14 CHAIRMAN KLEIN: OKAY. THANK YOU.

15 MR. GIBBONS: THAT WORKSHOP, HOWEVER, PAM
16 WANTS TO BE BROADER THAN THIS. SHE WANTS TO ADDRESS
17 PIPELINE ISSUES AS WELL. AND WE WOULD BE INVITING
18 THE DIRECTORS OF OUR BRIDGES PROGRAM, THE DIRECTORS
19 OF OUR TRAINING PROGRAM TO COME TO THAT TO DISCUSS
20 THE PIPELINE ISSUE BECAUSE IT'S ANOTHER SIDE OF THIS
21 COIN THAT WE HAVE TO ADDRESS.

22 CHAIRMAN KLEIN: OKAY.

23 MR. GIBBONS: ANYTHING ELSE ON THAT?

24 OKAY.

25 STEM CELL AWARENESS DAY IS, I MENTIONED

BARRISTERS' REPORTING SERVICE

1 THE LAST TIME WE TALKED, COMING ON SEPTEMBER 23D.
2 VERY QUICK UPDATE. THERE IS A WEBSITE UP AND
3 AVAILABLE TO SEE WHAT IS PLANNED SO FAR. IT'S
4 STEMCELLDAY.COM OR STEMCELLDAY.ORG, WHICHEVER YOU
5 CHOOSE. WE HAVE GOTTEN VERY GOOD TRACTION AMONGST
6 OUR GRANTEES AND AMONGST THE HIGH SCHOOL TEACHERS IN
7 CALIFORNIA. ON THAT DAY WE'LL HAVE ABOUT 50
8 CLASSROOMS WITH A GRANTEE FROM CIRM IN THERE GIVING
9 A STEM CELL GUEST LECTURE.

10 ONE SCHOOL IN SAN DIEGO IS CALLING A
11 SCHOOLWIDE ASSEMBLY, WHERE WE WILL BE REACHING 400
12 STUDENTS IN ONE HIT. I HEARD TODAY FROM JAN NOLTA
13 THAT HER SCHOOL IN SACRAMENTO IS DOING THE SAME
14 THING, SO WE'LL BE REACHING SEVERAL HUNDRED WITH
15 THAT AS WELL. A COUPLE OF INSTITUTIONS AROUND THE
16 STATE ARE PLANNING SEMINARS THAT DAY.

17 IF YOU GUYS WANT TO PLAN ANYTHING, EVEN IF
18 IT'S AS SIMPLE AS A BARBECUE IN WHICH YOU EXPLAIN TO
19 YOUR NEIGHBORS WHAT'S DOING, WE ARE TRYING TO CREATE
20 A GRASS ROOTS WEBSITE THAT TALKS ABOUT THINGS GOING
21 ON AROUND THE WORLD. SOME OF OUR WORLD PARTNERS ARE
22 ORGANIZING EVENTS FOR THAT DAY.

23 SENATOR TORRES HAS BEEN WORKING WITH SOME
24 OF THE MAYORS AROUND THE STATE TO GET PROCLAMATIONS
25 FOR THAT DAY. IT WAS IN RESEARCH AMERICA'S

BARRISTERS' REPORTING SERVICE

1 NEWSLETTER IN JULY.

2 THESE DAYS ARE NOT GREAT PR EVENTS
3 TRADITIONALLY. WHAT THEY ARE, IF THEY'RE DONE WELL,
4 IS A GRASS ROOTS LOCALIZED EVENT THAT CAN BUILD OVER
5 THE YEARS. WE DID ONE LAST YEAR. THIS HAS CLEARLY
6 BUILT THIS YEAR. WE HOPED GOING FORWARD THAT IT
7 WOULD BECOME MORE OF A TRUE GRASS ROOTS EFFORT THAT
8 WOULD BUILD AND CONTINUE TO GROW, AND WE'LL SEE WHAT
9 HAPPENS.

10 THE LAST THING -- ANY QUESTIONS ABOUT STEM
11 CELL AWARENESS DAY? THE LAST THING I WANT TO DO IS
12 SHOW A VERY BRIEF TWO-MINUTE VIDEO TO YOU. YOU AT
13 THE SAN DIEGO MEETING HEARD A VERY EMOTIONAL
14 PRESENTATION BY SOME OF KATRINA JAMIESON'S PATIENTS.
15 VERY POWERFUL. IT WAS 20 MINUTES LONG. THAT'S HARD
16 TO USE FOR ADVOCACY. ONE OF MY COLLEAGUES HAS
17 EDITED THIS DOWN TO TWO MINUTES THAT I THINK YOU
18 WILL FIND IS VERY POWERFUL.

19 (PAUSE IN PROCEEDINGS.)

20 MR. GIBBONS: WE MAY HAVE TO SHOW IT TO
21 YOU LATER IN THE MEETING, BUT IT IS AVAILABLE ON
22 YOUTUBE, ON THE CIRM T.V. SITE ON YOUTUBE.

23 CHAIRMAN KLEIN: WE CAN GO FORWARD AND
24 COME BACK TO IT WHEN WE HAVE IDENTIFIED IT EASILY.

25 MR. GIBBONS: THERE IT IS.

BARRISTERS' REPORTING SERVICE

1 CHAIRMAN KLEIN: WE WILL REVISIT THIS.
2 AND THANK YOU VERY MUCH FOR THE REPORT. ART TORRES.

3 MR. TORRES: YES. I'D LIKE TO APPLAUD
4 YOUR COLLEAGUES. AND BASICALLY WHO ARE THE FOLKS
5 THAT WORK WITH YOU ON IT?

6 MR. GIBBONS: TODD DUBNICOFF AND AMY
7 ADAMS.

8 MR. TORRES: I WANT TO THANK BOTH OF THEM
9 AS WELL BECAUSE THIS VIDEO WAS SENT TO EVERY MEMBER
10 OF THE LEGISLATURE. WE WILL ALSO BE SENDING A VIDEO
11 ON ALZHEIMER'S TO EVERY MEMBER OF THE LEGISLATURE
12 THAT THEY'RE WORKING ON NOW. IT'S JUST A CONTINUAL
13 PATTERN OF EDUCATING THE DECISION MAKERS ON WHAT
14 WE'RE DOING IN A VERY PERSONAL WAY. AND YOUTUBE IS
15 A WAY TO DO IT, ESPECIALLY WITH YOUNG STAFF PEOPLE
16 THAT MAKE AN IMPACT ON THEIR MEMBERS.

17 CHAIRMAN KLEIN: THANK YOU. AND THANK
18 YOU, ART, FOR THAT TREMENDOUS OUTREACH TO THE
19 LEGISLATURE.

20 (THE VIDEO WAS THEN SHOWN, NOT HEREIN
21 TRANSCRIBED.)

22 DR. TROUNSON: SO MORE STORIES LIKE THAT,
23 CHAIR, AND WE REALLY WILL HAVE A HUGE IMPACT IN THE
24 WHOLE COMMUNITY. THAT DOES HIT IT VERY HARD. I'D
25 BE VERY SURPRISED IF PEOPLE DON'T GET THEIR HEADS

BARRISTERS' REPORTING SERVICE

1 UP. IT'S BRIEF ENOUGH AND POIGNANT ENOUGH TO REALLY
2 MAKE THE POINT.

3 CHAIRMAN KLEIN: I WOULD REMIND EVERYONE
4 IT CAME OUT OF TWO POST DOCS THAT WERE PART OF THE
5 TRAINING GRANT PROGRAM AS WELL AS A SEED GRANT, SO
6 THAT'S TREMENDOUS PROGRESS.

7 DR. TROUNSON, DO YOU HAVE ANY ADDITIONAL
8 REPORTS?

9 DR. TROUNSON: CAN I ASK GEOFF LOMAX TO
10 AGAIN VERY BRIEFLY REPORT TO YOU ON THE WORKSHOP,
11 THE ETHICS WORKSHOP, THE SCRO ETHICS WORKSHOP THAT
12 WAS HELD JUST RECENTLY?

13 DR. LOMAX: TWO VERY QUICK UPDATES HERE.
14 THANK YOU, DR. TROUNSON. FIRST, JUST TO REMIND YOU
15 ALL, WE'RE VERY SENSITIVE TO THE ISSUE THAT
16 REGULATIONS CAN BE CHALLENGING AND FRUSTRATING, AND
17 WE DON'T WANT REGULATIONS TO BE CHALLENGING AND
18 FRUSTRATING. WE WANT THEM TO BE EFFECTIVE. SO ONE
19 OF THINGS THAT WE'VE BEEN DOING OVER THE YEARS IS
20 CONTINUALLY EVALUATE HOW OUR REGULATIONS ARE -- HOW
21 THE IMPLEMENTATION IS GOING.

22 AND SO WE'VE HELD A SERIES OF WORKSHOPS
23 OVER THE YEARS. THE LAST ONE WAS THIS JUNE WHERE WE
24 CONVENED REPRESENTATIVES FROM 13 CALIFORNIA RESEARCH
25 INSTITUTIONS. IT WAS ALSO ATTENDED BY MEMBERS OF

BARRISTERS' REPORTING SERVICE

1 THE STANDARDS WORKING GROUP. WE ALSO MADE A POINT
2 TO HAVE THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH
3 ATTEND BECAUSE THEY HAVE REGULATIONS GOVERNING STEM
4 CELL RESEARCH WHICH IS NOT FUNDED BY CIRM.

5 AND I WANT TO JUST BRIEFLY TOUCH ON THE
6 MAJOR RECOMMENDATIONS. THIS REPORT IS ALSO ON OUR
7 WEBSITE. THERE WAS A LOT OF DISCUSSION ABOUT THE
8 NEED FOR GREATER CONSISTENCY WITH STATE AND FEDERAL
9 REGULATIONS AND GUIDELINES. AND THE REAL DRIVER
10 HERE OBVIOUSLY WAS WITH THE NIH COMING ON BOARD.
11 THERE WAS A REAL PLEA FROM THIS COMMUNITY FOR US TO
12 REALLY PAY ATTENTION TO THE NEW FEDERAL GUIDELINES
13 AND DO EVERYTHING THAT WE CAN TO MAKE THEIR LIFE AS
14 EASY AS POSSIBLE.

15 AND THE STANDARDS WORKING GROUP WILL BE
16 CONSIDERING THESE ISSUES ON SEPTEMBER 17TH AND 18TH.
17 SO I AM CURRENTLY IN THE PROCESS OF PREPARING A MORE
18 DETAILED SET OF RECOMMENDATIONS BASED ON THE
19 WORKSHOP FOR THE STANDARDS WORKING GROUP.

20 IT'S ALSO -- AGAIN, THIS IS, I THINK,
21 WHERE THE NIH IS GOING TO BE INCREDIBLY HELPFUL.
22 THERE'S STILL A NEED TO REALLY CREATE OR IDENTIFY A
23 LIST OF COMPLIANT STEM CELL LINES. AND NIH REPORTS
24 THEY NOW HAVE THE STAFF IN PLACE AND ARE MOVING FULL
25 SPEED AHEAD. THAT'S TERRIFIC. WE'VE ALSO MADE SOME

BARRISTERS' REPORTING SERVICE

1 PROGRESS ON THIS FRONT, WHICH I'LL JUST SHOW YOU IN
2 ONE MOMENT.

3 AND FINALLY, WE ALSO HAD SOME HEALTHY
4 DISCUSSION ABOUT SORT OF JUST THE OPERATIONAL
5 ASPECTS OF THE STEM CELL RESEARCH OVERSIGHT
6 COMMITTEES AND THINGS WE COULD DO TO SORT OF CLARIFY
7 OUR EXPECTATIONS WITH OUR GRANTEES. THE NICE THING
8 THERE IS I THINK WE CAN DO SOME THINGS TO HELP OUR
9 GRANTEES WITHOUT NECESSITATING REGULATORY CHANGES
10 SIMPLY BY GIVING THEM IMPROVED GUIDANCE.

11 SO, AGAIN, THIS IS ONGOING EVALUATION
12 WORK. IT WILL CONTINUE, AND THIS WAS JUST ANOTHER
13 GOOD OPPORTUNITY TO HEAR FROM THEM.

14 ONE OF THE THINGS ON THE STEM CELL LINE
15 FRONT IS IN OUR REGULATIONS THERE IS A VERY
16 IMPORTANT PROVISION THAT STATES IF YOU ARE A CIRM
17 GRANTEE AND YOU DERIVE A STEM CELL LINE UNDER OUR
18 REGULATIONS, THAT STEM CELL LINE IS THEN ELIGIBLE
19 FOR ALL OUR RESEARCHERS. IT'S VERY SENSIBLE, BUT IT
20 ALSO GIVES US A MECHANISM TO START TO IDENTIFY LINES
21 WHICH ARE ELIGIBLE FOR RESEARCH WITHOUT A LOT OF
22 PAPERWORK OR BUREAUCRACY.

23 SO I'D LIKE TO GIVE A NOD TO THE
24 UNIVERSITY OF CALIFORNIA SAN FRANCISCO. THIS IS A
25 PRELIMINARY SHOT THAT ISN'T QUITE LIVE YET BECAUSE

BARRISTERS' REPORTING SERVICE

1 THEY HAVE NOT IDENTIFIED A CONTACT FOR US FOR
2 SOMEONE TO CONTACT IF THEY'RE INTERESTED IN THEIR
3 STEM CELL LINE. UCSF TOOK A BIG LEAP FORWARD, AND
4 WE HAVE A PROCESS WHICH THEY SUBMIT DOCUMENTATION
5 CERTIFYING THAT THE STEM CELL LINE WAS, IN FACT,
6 DERIVED UNDER OUR REGULATIONS. THE HEAD OF THE
7 OVERSIGHT COMMITTEE MUST SORT OF VERIFY THAT, AND
8 THE RESEARCHER MUST ALSO VERIFY THAT. AND SO WE'VE
9 GOT 12 LINES THAT HAVE GONE THROUGH THIS PROCESS.
10 WE'RE LOOKING FORWARD TO HAVING THEM OUT THERE IN
11 THE PUBLIC QUICKLY, AND WE HOPE OTHER INSTITUTIONS
12 WILL QUICKLY FOLLOW SUIT.

13 THIS IS ALSO GOING TO BE HELPFUL FOR
14 ALLOWING US TO CONVINCING OUR COLLABORATORS BOTH
15 NATIONALLY AND INTERNATIONALLY THAT THESE ARE STEM
16 CELL LINES THAT SHOULD BE FAST-TRACKED INTO ANY
17 NECESSARY REGULATORY APPROVAL PROCESS. SO WE HOPE
18 THIS IS A SIGNIFICANT SMALL STEP FORWARD, BUT
19 HOPEFULLY A SUBSTANTIVE ONE TO REALLY MAKE LIFE
20 EASIER FOR OUR GRANTEES AND THE RESEARCH COMMUNITY
21 IN GENERAL.

22 CHAIRMAN KLEIN: THANK YOU VERY MUCH. I
23 KNOW IT IS A TREMENDOUS BENEFIT TO THE RESEARCHERS
24 TO HAVE OUR REGULATIONS AS CONSISTENT AS REASONABLY
25 POSSIBLE WITH THE NIH REGULATIONS.

BARRISTERS' REPORTING SERVICE

1 DR. LOVE, YOU HAD SOME DISCUSSIONS ABOUT
2 THIS GOAL RECENTLY. WOULD YOU LIKE TO COMMENT?

3 DR. LOVE: YEAH. I WAS JUST GOING TO
4 EMPHASIZE THAT AS WE EVOLVE, I THINK IT WOULD BE
5 IMPORTANT FOR US TO TRY TO MAKE SURE THAT WE MAKE
6 ALL OF OUR REGULATIONS AT LEAST CONSISTENT, BUT ALSO
7 AS BROAD AS THE FEDERAL GOVERNMENT REGULATIONS. I
8 THINK, IN GENERAL, THEY'RE LIKELY TO BE MORE
9 RESTRICTIVE. BUT CERTAINLY WHEN THEY LIBERALIZE
10 BEYOND US, I THINK WE OUGHT TO MAKE SURE THAT WE
11 FOLLOW SUIT IF WE CAN, IF IT'S APPROPRIATE AND
12 ETHICAL, OF COURSE.

13 CHAIRMAN KLEIN: DR. PRICE, YOU'VE ALSO
14 GONE INTO THIS SUBJECT RECENTLY.

15 DR. PRICE: I JUST WANTED TO ADD THAT WHEN
16 THE STANDARDS WORKING GROUP, WHEN WE ADOPTED THOSE
17 REGULATIONS, THERE WAS A LOT OF TALK ABOUT THE
18 REGULATIONS BEING A LIVING DOCUMENT AND RESPONDING
19 TO DEVELOPMENTS AS THEY OCCURRED. I DON'T KNOW
20 WHETHER WE CAN GIVE INSTRUCTIONS TO THE WORKING
21 GROUP BEFORE THEY REPORT ANYTHING, BUT I THINK IT
22 WOULD BE THE SENSE OF THIS GROUP THAT IT WOULD BE
23 RATHER UNFORTUNATE IF CIRM'S STANDARDS WERE MORE
24 RESTRICTIVE THAN THE NIH STANDARDS. I DON'T THINK
25 THAT'S THE POSITION WE WANT TO BE IN.

BARRISTERS' REPORTING SERVICE

1 CHAIRMAN KLEIN: OKAY. A LOT OF
2 PHENOMENAL WORK, OF COURSE, HAS GONE INTO GETTING
3 THE NIH STANDARDS TO THE POINT THAT WE ARE TODAY.
4 AS I COMMENTED EARLIER ON GEOFF LOMAX' WORK, ALSO
5 LIKE TO CALL ATTENTION THAT ELONA BAUM PUT A GREAT
6 DEAL OF EFFORT INTO THAT WORK, REALLY HELPING PUT
7 SOME GOOD LEGAL EDGES ON IT. JAMES HARRISON AS WELL
8 WAS A GREAT CONTRIBUTOR AS WERE A NUMBER OF BOARD
9 MEMBERS. SO THIS IS A TREMENDOUS EFFORT, BUT IT IS
10 OF TREMENDOUS VALUE IF WE CAN BE AT LEAST CONSISTENT
11 WITH THEIR STANDARDS. AND AS HAS BEEN SAID BY TED,
12 AS THEY MAKE THEM -- AS THEY PROGRESS FURTHER IN
13 THEIR STANDARDS, HOPEFULLY WE AT LEAST KEEP UP WITH
14 THOSE STANDARDS.

15 DR. TROUNSON: SO, CHAIR, THE NIH HAS
16 AGREED TO BE PART OF THE STANDARDS WORKING GROUP AT
17 THE NEXT MEETING. THEY WILL BE THERE
18 TELEPHONICALLY. I THINK, GEOFF, IT'S FAIR TO SAY
19 THAT THEY'RE VERY KEEN TO MAKE SURE THEY ARE
20 HARMONIZED WITH WHAT WE'RE DOING. SO IT'S ON BOTH
21 SIDES. SO WE REASSURE YOU THAT WE'LL BE DOING THE
22 MAXIMUM TO DO THAT, AND IT'S REFLECTED BOTH WAYS.

23 CHAIRMAN KLEIN: AND CERTAINLY IT'S TO BE
24 APPLAUDED THAT STAFF, WHETHER IT'S THE NIH OR THE
25 FDA, TREMENDOUS COLLABORATIVE EFFORTS TO PULL

BARRISTERS' REPORTING SERVICE

1 TOGETHER WITH THESE GROUPS ON THE FRONT END. SO I
2 THINK WE ARE GOING STRONGLY IN THE RIGHT DIRECTION.

3 MR. SHEEHY: IT WOULDN'T BE INAPPROPRIATE
4 TO NOTE AT THIS POINT THAT OUR EXTRAORDINARY
5 STANDARDS WORKING GROUP MEMBER ALTA CHARO HAS
6 RECEIVED TODAY AN APPOINTMENT TO THE FDA, DEPUTY TO
7 THE FDA. SO I THINK THE CONCERNS -- I THINK WE'RE
8 GOING TO BE VERY WELL INTEGRATED. AND WE REALLY OWE
9 A LOT TO GEOFF AND TO BERNIE LO AND TO SHERRY
10 LANSING FOR THE TREMENDOUS JOB THEY'VE DONE WITH
11 THIS WORKING GROUP AND THEIR LEADERSHIP.

12 (APPLAUSE.)

13 DR. LOMAX: I WILL TAKE BACK TO THE
14 WORKING GROUP BOTH NOT ONLY THE DESIRE OF OUR
15 RESEARCH COMMUNITY, BUT OF OUR BOARD THE DESIRE FOR
16 CONSISTENCY. THAT'S EXTRAORDINARILY HELPFUL. SO I
17 THANK YOU FOR YOUR TIME.

18 CHAIRMAN KLEIN: THANK YOU VERY MUCH.
19 THANK YOU TO THE WHOLE TEAM. JOHN ROBSON.

20 DR. TROUNSON: SO THIS IS THE LAST ONE.
21 I'M SORRY IT'S SORT OF SPREAD OUT, BUT I THOUGHT IT
22 WAS BEST YOU HEAR FROM THE PEOPLE WHO ARE REALLY
23 SORT OF ENGAGED ON IT. JOHN IS LOOKING VERY FIRMLY
24 AFTER OUR FINANCIAL OPERATIONS.

25 DR. ROBSON: MARGARET FERGUSON IS AWAY ON

BARRISTERS' REPORTING SERVICE

1 VACATION, SO I'M GOING TO REPORT BOTH ON OUR
2 EXPENDITURES REGARDS TO OUR OPERATIONS IN RELATION
3 TO OUR BUDGET THROUGH JUNE, AND THEN I'LL ALSO GIVE
4 YOU A VERY BRIEF REVIEW OF OUR PROJECTED TOTAL
5 FINANCIAL CASH FLOW PICTURE.

6 BEFORE I START, I JUST WANTED TO ALERT YOU
7 THAT, ACCORDING TO CIRM CONTRACTING POLICY, WE
8 REPORTED LAST MONTH ON ALL OF OUR CONTRACT AND
9 INTERAGENCY AGREEMENTS TO THE GOVERNANCE
10 SUBCOMMITTEE, AND THAT REPORT IS IN YOUR BINDER.
11 IT'S TAB 6. THAT'S THERE FOR YOUR INFORMATION.

12 NOW, I ALSO OWE YOU AN APOLOGY. AS YOU
13 ARE GOING TO SEE IF WE PUT THE NEXT SLIDE UP, WE'RE
14 REPORTING ON OUR -- AT LEAST SHOWING YOU OUR
15 OPERATION EXPENDITURES IN A DIFFERENT WAY. MARGARET
16 HAS BEEN PROVIDING YOU WITH A TABLE THAT HAS A FAIR
17 AMOUNT OF INFORMATION, A LOT OF NUMBERS IN IT. WE
18 THOUGHT IT MIGHT BE, AT LEAST FOR ORAL PRESENTATION
19 PURPOSES, EASIER TO DO IT WITH A BAR GRAPH. OUR
20 INTENTION WAS TO INCLUDE THE TABLE IN YOUR BINDER.
21 WHEN I GOT HERE TODAY, I LOOKED TO SEE WHERE IT WAS
22 IN THE BINDER. IT WASN'T THERE. SO I APOLOGIZE FOR
23 THAT.

24 THOSE OF YOU WHO HAVE COMPUTERS, I THINK,
25 PROBABLY HAVE AN E-MAIL FROM MELISSA THAT HAS THE

BARRISTERS' REPORTING SERVICE

1 TABLE, AND WE'VE GOT SOME COPIES OF IT HERE WHICH
2 WE'LL DISTRIBUTE. BUT IT'S THE SAME INFORMATION
3 YOU'VE SEEN. AND I SHOULD ALSO EMPHASIZE THAT THESE
4 ARE OUR EXPENDITURES THROUGH JUNE, BUT THEY ARE NOT
5 THE FINAL REPORT TO THE FISCAL YEAR THAT ENDED ON
6 JUNE 30TH. WE'RE STILL WAITING FOR SOME INFORMATION
7 BACK FROM THE STATE ON ACCRUALS. WE THINK THAT'S
8 GOING TO AMOUNT TO ABOUT ANOTHER \$500,000 IN
9 EXPENDITURES, BUT MARGARET WILL GIVE YOU A DETAILED
10 REPORT ON THAT AT THE NEXT BOARD MEETING IN OCTOBER.

11 CHAIRMAN KLEIN: JOHN, THERE WAS ALSO AN
12 IN-DEPTH LOOK AT LAST YEAR'S BUDGET AND THE BUDGET
13 GOING FORWARD BY THE FINANCE COMMITTEE THAT DELVED
14 INTO THE DETAILS.

15 DR. ROBSON: THAT LOOKED INTO CONTRACTS
16 GOING FORWARD. THIS REPORT LOOKS AT CONTRACTS
17 LOOKING BACK.

18 CHAIRMAN KLEIN: THAT'S RIGHT. THANK YOU.

19 DR. ROBSON: SO WHAT THE BAR GRAPHS ARE
20 JUST SHOWING YOU ARE OUR EXPENDITURES. THE BLUE
21 GRAPH -- THE BLUE BAR SHOWS WHAT WAS BUDGETED. THE
22 ORANGE BAR SHOWS WHAT WE'VE ACTUALLY EXPENDED IN
23 VARIOUS CATEGORIES. AND SO THE YELLOW BAR, THEN, IS
24 THE DIFFERENCE, THE BALANCE THAT'S LEFT. ON THE
25 LEFT SHOWS OUR TOTAL OPERATIONS, SO WE HAD A TOTAL

BARRISTERS' REPORTING SERVICE

1 BUDGET OF 13 MILLION THAT WAS APPROVED FOR '08-'09,
2 AND WHAT WE SPENT THROUGH JUNE IS A LITTLE OVER NINE
3 MILLION.

4 THEN WE BROKE THAT DOWN INTO SALARIES AND
5 BENEFITS AND ALSO OPERATIONS -- OTHER OPERATIONS AND
6 EXPENDITURES. SO YOU CAN SEE THAT ALL THOSE -- BOTH
7 OF THOSE CATEGORIES WE ARE UNDER BUDGET AS YOU'VE
8 BEEN HEARING FROM MARGARET SINCE WE STARTED DOING
9 THIS IN THE WINTER. AND WE EXPECT AT THE END TO BE
10 ABOUT WHERE WE TARGETED, ABOUT 20 PERCENT UNDER THE
11 BUDGET.

12 SO THE NEXT SLIDE I TALK ABOUT OUR OVERALL
13 FINANCIAL CASH FLOW PICTURE GOING FORWARD. AND JUST
14 TO REMIND YOU OF THE ASSUMPTIONS THAT ARE SHOWN IN
15 THIS GRAPH, THIS GRAPH INCLUDES ALL OF THE PROGRAMS
16 THAT ARE ONGOING THAT HAVE BEEN APPROVED OVER THE
17 LAST THREE OR FOUR YEARS AND ALSO INCLUDES THOSE
18 PROGRAMS THAT HAVE BEEN THROUGH CONCEPT APPROVAL BY
19 YOU. AND THOSE ARE BASIC BIOLOGY AT \$30 MILLION,
20 DISEASE TEAMS AT \$210 MILLION, AND BASIC BIOLOGY II
21 AT ANOTHER 30 MILLION. THOSE ARE THE ONES THAT HAVE
22 BEEN THROUGH CONCEPT APPROVAL.

23 AND JUST TO SHOW THE IMPACT OF ALL OF THIS
24 ON OUR CASH FLOW, THE NEXT SLIDE SHOWS THIS IS THE
25 DASHBOARD CHART THAT WE'VE BEEN USING FOR A WHILE

BARRISTERS' REPORTING SERVICE

1 NOW. JUST TO REMIND YOU, THE VERTICAL BARS SHOW
2 EXPENDITURES IN EACH QUARTER. THE TAN OR BROWN PART
3 IS OUR OPERATIONS, AND THE GREEN IS FOR GRANTS. AND
4 THEN THE GREEN LINE SHOWS THE BALANCE THAT WE
5 PROJECT TO BE AVAILABLE FOR US TO SPEND IN THE BOND
6 FUND. THE RED LINE IS WHEN THE BOND -- INDICATES
7 WHERE THE BOND FUND GOES TO ZERO.

8 CHAIRMAN KLEIN: AND THESE ARE, JUST TO
9 MAKE SURE EVERYONE IS ON THE SAME PAGE, BASED ON
10 FUNDS WE CURRENTLY HAVE AVAILABLE.

11 DR. ROBSON: THE GREEN LINE SHOWS WHAT WE
12 HAVE IN OUR BANK ACCOUNT, THE BOND FUND.

13 CHAIRMAN KLEIN: IN ADDITION, I'LL REMIND
14 EVERYONE, WE HAVE 160 MILLION IN ADDITIONAL
15 AUTHORITY THAT'S APPROVED THAT WE HAVEN'T SOLD YET.
16 SO THAT IS AN ADDITIONAL RESERVE TO THESE NUMBERS.

17 DR. ROBSON: SO, AGAIN, AS LONG AS THE
18 GREEN LINE IS ABOVE THE RED LINE, WE'RE IN GOOD
19 SHAPE. AND YOU WILL SEE THAT THOSE LINES CROSS AT
20 THE END OF NEXT YEAR, THE END OF 2010. AT DECEMBER
21 31, 2010, WE'RE PROJECTING THAT WE'LL HAVE A
22 BALANCE, POSITIVE BALANCE, OF A LITTLE OVER \$6
23 MILLION BASED ON THE MODELING WE'VE DONE WITH THE
24 NUMBERS I JUST SHOWED YOU. OF COURSE, THESE NUMBERS
25 WILL CHANGE IN THE NEXT TWO DAYS AS YOU MAKE

BARRISTERS' REPORTING SERVICE

1 DECISIONS ABOUT BASIC BIOLOGY I. IF YOU FUND LESS
2 THAN 30 MILLION OR MORE THAN 30 MILLION, THAT WILL
3 HAVE AN IMPACT ON THESE NUMBERS. AND THEN YOU ALSO
4 HAVE TWO PROGRAMS THAT YOU WILL MAKE DECISIONS ABOUT
5 FOR CONCEPT APPROVAL. THOSE, THEN, WILL ALSO HAVE
6 AN IMPACT ON THOSE NUMBERS, AND WE CAN TALK ABOUT
7 THOSE CHANGES WHEN THOSE PARTICULAR PROGRAMS COME UP
8 IF YOU WOULD LIKE. THAT'S ALL I HAVE.

9 CHAIRMAN KLEIN: THANK YOU VERY MUCH. ANY
10 QUESTIONS? THANK YOU.

11 LET US MOVE FORWARD. THANK YOU. THIS IS
12 ONE OF THOSE SESSIONS WHERE WE HAD SOME BACKED-UP
13 REPORTS. IT'S VERY IMPORTANT TO HAVE SOME THOROUGH
14 UNDERSTANDINGS ACROSS A LARGE SPECTRUM OF THE
15 PRESIDENT'S ACTIVITY. AND THANK YOU FOR THE VERY
16 EXPERT REPORTS.

17 I'D LIKE TO MOVE ACTION ITEM NO. 7. WE
18 WILL FOCUS FIRST, THEN, ON CONSIDERATION OF
19 RECOMMENDATIONS FROM THE LEGISLATIVE SUBCOMMITTEE
20 REGARDING THE LITTLE HOOVER COMMISSION INITIALLY AND
21 THEN, SECONDLY, AN ISSUE OF PUBLIC HEALTHCARE OPTION
22 FOR THE NATIONAL HEALTHCARE LEGISLATION AS IT
23 RELATES TO THE ACCESSIBILITY TO FUTURE STEM CELL
24 THERAPIES.

25 TURN THIS OVER TO ART TORRES, THE ACTING

BARRISTERS' REPORTING SERVICE

1 CHAIR, SUBJECT TO A LATER ITEM ON THE AGENDA, OF THE
2 LEGISLATIVE COMMITTEE. YOU KNOW, YOU CAN NOW HAVE
3 TWO TITLES. YOU'LL BE BOTH THE ACTING CHAIR AND THE
4 CHAIR.

5 MR. TORRES: AS YOUR ACTING CHAIR OF YOUR
6 SUBCOMMITTEE, BOB, I WANT TO THANK YOU FOR THE
7 TREMENDOUS HONOR YOU HAVE GIVEN ME TO DEAL WITH THE
8 LITTLE HOOVER COMMISSION.

9 CHAIRMAN KLEIN: WE NEVER PROMISED YOU A
10 ROSE GARDEN.

11 MR. TORRES: BELIEVE ME, I HAVEN'T SEEN
12 IT. IF WE CAN TURN TO ITEM 7, MEMBERS, WE'LL GO
13 THROUGH THIS AS QUICKLY AS WE CAN BECAUSE I THINK
14 EVERYBODY PRETTY WELL KNOWS WHERE WE STAND ON THESE
15 RECOMMENDATIONS. BUT I WANTED TO MAKE SURE THAT THE
16 LEGISLATURE UNDERSTANDS THAT THE APPROPRIATE TIME
17 WHEN WE PRESENT OUR BOARD ACTION ON THE LITTLE
18 HOOVER RECOMMENDATIONS, THAT WE'VE BEEN VERY, VERY
19 CONTEMPLATIVE. I WANT TO THANK THE MEMBERS OF THE
20 LEGISLATIVE SUBCOMMITTEE WHO SERVED FOR A VERY LONG
21 TIME ON TWO HEARINGS THAT WE HELD ON JULY 16TH AND
22 AUGUST 6TH TO PARTICIPATE IN THIS EFFORT TO CONSIDER
23 THESE RECOMMENDATIONS SO THAT THE LITTLE HOOVER
24 COMMISSION, AS WELL AS THE LEGISLATURE UNDERSTAND
25 THAT WE DID NOT TAKE THESE LIGHTLY. WE REVIEWED

BARRISTERS' REPORTING SERVICE

1 THEM VERY CAREFULLY, AND SO I'D LIKE TO TAKE THEM AD
2 SERIATIM IN THREE SECTIONS.

3 THE FIRST SECTION ARE THE RECOMMENDATIONS
4 WHICH THE LITTLE HOOVER COMMISSION MADE WHICH
5 DIRECTLY IMPACT THE CONSTITUTIONALITY OF THOSE
6 RECOMMENDATIONS. AND IF YOU LOOK ON ITEM NO. 1 THAT
7 REQUIRE A NEW BALLOT MEASURE, LITTLE HOOVER
8 RECOMMENDATIONS WERE TO REDUCE THE SIZE OF OUR
9 BOARD, TO REDUCE MEMBER'S TERMS FROM EIGHT TO SIX,
10 TO CONCENTRATE APPOINTMENT AND AUTHORITY IN THE
11 GOVERNOR BY AUTHORIZING THE GOVERNOR TO APPOINT 11
12 OF 15 MEMBERS, TO ELIMINATE THE CHAIR'S STATUTORY
13 RESPONSIBILITIES, AND TO AUTHORIZE THE BOARD TO
14 SELECT A CHAIR AND VICE CHAIR FROM AMONG ITS 15
15 MEMBERS AS PROPOSED BY THE LITTLE HOOVER COMMISSION.

16 THE STAFF ANALYSIS PROVIDED BY THE VERY
17 ABLE LEGAL COUNSEL, MR. JAMES HARRISON, QUICKLY
18 RECOMMENDED TO US THAT THIS REALLY WAS IN VIOLATION
19 OF THE CONSTITUTION OF CALIFORNIA AS WELL AS THE
20 VIOLATION OF THE INTENT OF THE VOTERS IN PASSING BY
21 A VERY LARGE PERCENTAGE PROPOSITION 71.

22 IF YOU LOOK IN THE STAFF ANALYSIS, ITEM B
23 ON PAGE 2 OF THIS REPORT, YOU WILL SEE THAT
24 REFERENCE. IN SUMMARY, THE BOARD COUNSEL ADVISED US
25 AS MEMBERS OF THE SUBCOMMITTEE THAT THESE AMENDMENTS

BARRISTERS' REPORTING SERVICE

1 ARE INCONSISTENT, AS I SAID, WITH THE VOTERS' INTENT
2 AND CLEARLY UNCONSTITUTIONAL. AND, THEREFORE, THE
3 SUBCOMMITTEE VOTED, BASED UPON THESE
4 RECOMMENDATIONS, TO OPPOSE THESE RECOMMENDATIONS
5 ITEMS 1 THROUGH 5 BY A VOTE OF EIGHT TO ZERO WITH
6 ONE ABSTENTION TO OPPOSE THESE RECOMMENDATIONS.
7 THAT WAS THE VOTE OF THE SUBCOMMITTEE AND ITS
8 RECOMMENDATION TO YOU AS A FULL BOARD ON THAT ITEM.

9 NO. 2, THE POLICY CHANGES THAT WE AS A
10 BODY COULD IMPLEMENT, WE ALSO WANTED TO CATEGORIZE
11 IN A SEPARATE ITEM. THE LITTLE HOOVER COMMISSION
12 RECOMMENDATIONS WERE TO MODIFY THE PREAPPLICATION
13 REVIEW PROCESS, TO IDENTIFY ALL APPLICANTS IN
14 CONNECTION WITH AN RFA, TO POLL PEER REVIEWERS TO
15 DETERMINE WHETHER THEY WOULD RESIGN IF THEY WERE
16 REQUIRED TO PUBLICLY DISCLOSE THEIR FINANCIAL
17 INTERESTS. BOY, ISN'T THAT A REAL IMPORTANT
18 ELEMENT? AND WE ALL KNOW WHAT THE ANSWER WOULD BE;
19 BUT, OF COURSE, WE'RE GOING TO DO THAT. OF COURSE,
20 WE'RE GOING TO POLL THE REVIEWERS.

21 ARE WE GOING TO AMEND THE MINUTES OF BOARD
22 MEETINGS, DISCLOSE VOTE TALLIES AND RECUSALS?
23 ABSOLUTELY.

24 ARE WE GOING TO ADD A PROVISION TO THE
25 BOARD BYLAWS BY AUTHORIZING REMOVAL OF MEMBERS FOR

BARRISTERS' REPORTING SERVICE

1 CAUSE? ABSOLUTELY NOT. BECAUSE NOT EVEN THE LITTLE
2 HOOVER COMMISSION CAN REMOVE ITS MEMBERSHIP FOR
3 CAUSE BECAUSE THEY'RE APPOINTED BY A SEPARATE
4 ENTITY. HOWEVER, WE DID POINT OUT TO THE LITTLE
5 HOOVER COMMISSION STAFF THAT THEY SHOULD HAVE READ
6 THE STATUTE AND REALIZED THAT WE CAN GO TO THE
7 ATTORNEY GENERAL BY A MAJORITY VOTE OF THIS BOARD
8 AND REMOVE ANY ONE OF US FOR CAUSE, AND WE SHOULD DO
9 THAT IF WE FEEL WE HAVE CAUSE TO DO THAT, TO GO TO
10 JERRY BROWN OR WHOEVER IS THE NEXT ATTORNEY GENERAL
11 AND RECOMMEND TO REMOVE US, IF THAT'S APPROPRIATE.
12 AND THAT IS EXACTLY THE PROVISIONS THAT EVERY STATE
13 AGENCY HAS WHO IS -- WHICH IS APPOINTED BY ITS
14 MEMBERSHIP BY CONSTITUTIONAL AUTHORITY, INCLUDING
15 THE LITTLE HOOVERITES.

16 NOW, OUR STAFF ANALYSIS CLEARLY POINTS
17 THAT OUT ON PAGE 4 WHERE WE CLEARLY INDICATED THAT
18 AT THE AUGUST 6TH MEETING, OUR PRESIDENT, MR.
19 TROUNSON, REPORTED TO THE SUBCOMMITTEE REGARDING
20 THOSE ITEMS ON 6 THROUGH 8. AND I WOULD LIKE TO
21 HAVE BECAUSE I'M NOT A SCIENTIST, IF HE WOULD LIKE
22 TO RESPOND VERY QUICKLY BECAUSE OF TIME ON WHY THOSE
23 RECOMMENDATIONS WERE MADE BY YOU AND YOUR ABLE
24 STAFF. ITEMS 6 THROUGH 8. THAT'S ON THE
25 PREAPPLICATION REVIEW PROCESS AND IDENTIFICATION OF

BARRISTERS' REPORTING SERVICE

1 ALL THE APPLICANTS IN CONNECTION WITH AN RFA ON A
2 TRIAL BASIS.

3 DR. TROUNSON: THANK YOU, ART. SO IF I GO
4 BY NUMBER, ITEM NO. 6 WAS WE WERE ASKED TO MODIFY
5 THE PREAPPLICATION REVIEW PROCESS. ESSENTIALLY THIS
6 IS PREMATURE BECAUSE IT'S STILL PART OF THE
7 EXPERIMENTAL PROCESS, IF YOU LIKE, OR THE TRIAL THAT
8 WE COMPLETE THE BASIC BIOLOGY II PREAPPLICATION AND
9 THEN COME BACK TO THE BOARD, WHICH WE WOULD DO IN
10 DECEMBER, TO REPORT ON THE PROCESS OF THE
11 PREAPPLICATION PROCESS ACROSS THOSE THREE PARTICULAR
12 RFA'S. WE'RE GOING TO DO THAT, AND THEN WE'LL
13 PROBABLY SUGGEST SOME MODIFICATION.

14 MR. TORRES: ANY QUESTIONS BY MEMBERS OF
15 THE BOARD? ALL RIGHT. THE NEXT ITEM WAS IDENTIFY
16 ALL OF THE APPLICANTS IN CONNECTION WITH AN RFA ON A
17 TRIAL BASIS.

18 DR. TROUNSON: WELL, WE THINK THAT THAT'S
19 ESSENTIALLY INAPPROPRIATE BECAUSE IT'S NOT REQUIRED
20 TO DO THAT BY ANY OTHER ORGANIZATION THAT WE KNOW
21 WHERE YOU SUBMIT YOUR GRANTS AND THEN, EXCEPT FOR
22 THE CONNECTICUT, THE ONE CONNECTICUT REVIEW, WHERE
23 YOU'RE REQUIRED TO DETAIL THOSE APPLICANTS THAT WERE
24 UNSUCCESSFUL.

25 THERE WOULD BE GREAT CONCERNS, I THINK,

BARRISTERS' REPORTING SERVICE

1 FROM ACADEMICS. THEY'RE NOT REQUIRED TO DO THAT IN
2 THEIR CV OR EVEN IN APPLICATIONS FOR OTHER GRANTS
3 BECAUSE IF YOU'VE APPLIED FOR TEN GRANTS AND ONLY
4 GOT TWO, YOU MIGHT BE CONSIDERED NOT THAT -- NOT
5 APPROPRIATE. BUT YOU ALSO MAY, IF YOU ARE THE KIND
6 OF RESEARCHER THAT I MIGHT HAVE BEEN, AND YOU WERE
7 MORE INNOVATIVE, YOU MIGHT PUSH THE BAR FURTHER SO
8 THAT YOU GOT TWO OUT OF EIGHT WAS A GREAT RETURN
9 BECAUSE YOU WERE DOING MUCH MORE INNOVATIVE
10 RESEARCH. SO YOU HAVE TO BALANCE OUT ON THE
11 ACADEMIC SIDE, THE UPSIDES AND DOWNSIDES IN IT. IT
12 WOULDN'T REALLY BE APPROPRIATE, AS FAR AS I'M
13 CONCERNED AND MY COLLEAGUES.

14 BUT IT'S ALSO QUITE DAMAGING NOW THAT
15 WE'VE GOT THE BIOTECH INDUSTRIES, THE
16 NOT-FOR-PROFIT -- THE FOR-PROFIT SECTOR IN THERE
17 BECAUSE THAT COULD HAVE AN IMMEDIATE IMPACT ON HOW
18 THE FINANCIAL COMMUNITY SEES THEM. IF THEY APPLIED
19 FOR A GRANT AND THEY DIDN'T GET IT, THEN IT MAY
20 REALLY AFFECT THEIR VIABILITY. SO WE THINK IT'S
21 INAPPROPRIATE.

22 CHAIRMAN KLEIN: TO FOCUS ON THIS LAST
23 POINT, JUST SO IT'S WELL UNDERSTOOD, THAT IF SOMEONE
24 IS IN THE PROCESS OF AN IPO OR EVEN AN ADDITIONAL
25 ROUND OF VENTURE CAPITAL FUNDING AND THEY HAVE

BARRISTERS' REPORTING SERVICE

1 STAKED THEIR CLAIM BASED ON A PARTICULAR APPROACH
2 AND WE PUBLICLY HAVE REJECTED THIS APPROACH, IT
3 COULD HAVE A SEVERE FINANCIAL IMPACT ON THEIR
4 ABILITY TO COMPLETE THEIR FUNDING TO CARRY THEIR
5 RESEARCH FORWARD. SO THERE'S SOME UNINTENDED
6 CONSEQUENCES HERE THAT WOULD BE VERY SEVERE ON THE
7 PRIVATE SECTOR.

8 MR. TORRES: ANY OTHER QUESTIONS BY
9 MEMBERS OF THE BOARD? WE'LL PROCEED TO ITEM 8 WHICH
10 IS TO POLL THE PEER REVIEWERS. THE STAFF POSITION
11 ENDORSES THIS PROPOSAL, TO TAKE AN ANONYMOUS POLL OF
12 THE WORKING GROUP'S MEMBERSHIP. ANY COMMENT? I
13 THINK IT'S PRETTY CLEAR.

14 DR. TROUNSON: WE'LL DO THAT. WE'LL DO
15 THAT AT OUR NEXT GRANTS WORKING GROUP.

16 MR. TORRES: ANY COMMENTS FROM MEMBERS OF
17 THE BOARD?

18 MS. SAMUELSON: ART, I THINK YOU'VE DONE
19 THIS ON MOST OF THE ITEMS. CAN YOU ALSO MAKE SURE
20 THAT YOU ADD THE RECOMMENDATION OF THE LEGISLATIVE
21 SUBCOMMITTEE MEMBERS IN ADDITION TO THE CIRM STAFF,
22 RIGHT?

23 MR. TORRES: YES. WHAT I'M TRYING TO DO
24 IS GET THE STAFF INPUT, AND THEN AT THE END OF EACH
25 SECTION, ANNOUNCE THE VOTE OF WHAT THE COMMITTEE

BARRISTERS' REPORTING SERVICE

1 WAS.

2 NOW WE'LL MOVE FORWARD ON AMENDING
3 AMENDMENTS TO INCLUDE VOTE TALLIES AND CONFLICTS.
4 MR. PRESIDENT.

5 DR. TROUNSON: WELL, THAT'S A MATTER FOR
6 THE -- THAT'S A MATTER FOR THE BOARD.

7 MR. TORRES: WE ENDORSE THAT PROPOSAL.

8 CHAIRMAN KLEIN: AND THIS IS AN ITEM WHERE
9 THE EXECUTIVE COMMITTEE HAS ACCEPTED THIS AS A MOVE
10 TOWARD GREATER TRANSPARENCIES. THERE WAS NO ADVERSE
11 PUBLIC POLICY PROBLEM, SO WE HAVE BEGUN TO ACTUALLY
12 ALREADY IMPLEMENT THIS. WE THINK IT'S A VERY GOOD
13 SUGGESTION, WHICH THE BOARD IS ALREADY CONFORMING
14 TO.

15 MR. TORRES: ALL RIGHT. MOVING TO PAGE 6,
16 ITEM 10. I'VE ALREADY ARTICULATED WHY THE COMMITTEE
17 WAS OPPOSED TO THIS PROPOSAL AND WHY WE WOULD NOT BE
18 SHY TO MOVE TO THE ATTORNEY GENERAL'S OFFICE TO
19 REMOVE ANYONE OF THIS BOARD FOR CAUSE, WHICH IS OUR
20 ONLY ALTERNATIVE GIVEN THE CONSTITUTIONAL AND
21 STATUTORY AND THE CASE LAW, QUITE FRANKLY, THAT'S
22 BEFORE US AND INCLUDED IN YOUR ANALYSIS ON PAGE 6.

23 CHAIRMAN KLEIN: MR. CHAIRMAN, TO BE
24 CLEAR, THE LITTLE HOOVER COMMISSION ACTUALLY HAS A
25 RULE TO REMOVE -- WHERE THEY CAN THEORETICALLY

BARRISTERS' REPORTING SERVICE

1 REMOVE THEIR MEMBER. THE PROBLEM IS WE HAVE TWO
2 LEGAL OPINIONS THAT INDICATE IT WOULD BE -- IT WOULD
3 VIOLATE CASE LAW IN CALIFORNIA AND STATUTORY LAW IN
4 CALIFORNIA FOR US OR FOR THE LITTLE HOOVER
5 COMMISSION. SO THEY APPEAR TO ACTUALLY BE IN
6 CONFLICT WITH ACTUAL CASE LAW BECAUSE THE INTENT OF
7 TERM APPOINTMENTS IS, IN FACT, TO PROTECT THE
8 INDEPENDENCE OF MEMBERS. IF THEY VIOLATED THE LAW,
9 AS THE CHAIRMAN OF THE COMMITTEE HAS INDICATED, THE
10 ATTORNEY GENERAL CAN ACT TO REMOVE THE MEMBER FOR
11 THE VIOLATION OF LAW. BUT OTHERWISE, THE MEMBERS
12 ARE PROTECTED TO PROTECT THE DIVERSITY OF OPINION
13 COMING FROM THE APPOINTING OFFICER.

14 MR. TORRES: SO THE STAFF POSITION IS
15 ARTICULATED THEREIN.

16 NOW MOVING TO ITEM 11, I'D LIKE TO TURN TO
17 THE CHAIR, MR. KLEIN, WHICH WAS A RECOMMENDATION TO
18 ADOPT A SUCCESSION PLAN FOR LEADERSHIP AND A
19 TRANSITION PLAN FOR THE EVENTUAL EXPIRATION OF BOND
20 FUNDING.

21 CHAIRMAN KLEIN: SO I CLEARLY ANNOUNCED
22 THAT IN DECEMBER OF 2010 I WILL NOT BE SEEKING A
23 REAPPOINTMENT FOR ANOTHER TERM. THE INTENT OF
24 ANNOUNCING IT THIS EARLY IS SO THAT WE CAN HAVE AN
25 ORDERLY TRANSITION PROCESS AND A SEARCH COMMITTEE

BARRISTERS' REPORTING SERVICE

1 FOR A CHAIR WHERE WE CAN GIVE OURSELVES ENOUGH TIME
2 TO, A, IDENTIFY POTENTIAL CANDIDATES; AND, B, SINCE
3 WE CANNOT INDEPENDENTLY ELECT THEM, WE THEN HAVE TO
4 COMMUNICATE TO THE CONSTITUTIONAL OFFICERS THE
5 REASONS WHY WE THINK ONE OR TWO OR MORE CANDIDATES
6 MIGHT BE GOOD MEMBERS TO BE CHAIR OR VICE CHAIR OF
7 THIS BOARD SO THEY HAVE A TIME TO CONSIDER A
8 NOMINATION OF THOSE MEMBERS.

9 AFTER THE NOMINATION, AS WE ALL KNOW, IT
10 COMES BACK TO THE BOARD THEN TO ELECT FROM THOSE
11 NOMINATED. BUT WE HAVE PLENTY OF TIME. WE WILL BE
12 BRINGING TO THE BOARD A PROPOSED PLAN FOR THE SEARCH
13 COMMITTEE AND THE IDENTIFICATION OF THIS PROCESS.

14 MR. TORRES: THANK YOU, MR. CHAIRMAN. ANY
15 OTHER COMMENTS ON THAT ISSUE? ALL RIGHT. WE'LL
16 MOVE FORWARD.

17 THE VOTE OF THOSE PROPOSALS WAS UNANIMOUS,
18 THAT THE LEGISLATIVE SUBCOMMITTEE RECOMMENDS THAT
19 THE BOARD ADOPT THE STAFF POSITIONS AS DESCRIBED
20 ITEM 6 THROUGH 11.

21 MOVING ON TO THE NEXT SECTION, THAT IS,
22 THOSE ITEMS THAT WOULD REQUIRE LEGISLATIVE
23 INTERVENTION. THE LITTLE HOOVER COMMISSION
24 RECOMMENDATIONS WERE TO ELIMINATE THE 50-EMPLOYEE
25 CAP, WERE TO ELIMINATE THE 15-SCIENTIST CAP ON THE

BARRISTERS' REPORTING SERVICE

1 GWG. CIRM HAS CURRENTLY PROBABLY APPROXIMATELY A
2 HUNDRED FIFTY SCIENTIFIC MEMBERS AND ALTERNATES
3 AVAILABLE TO SERVE ON PEER REVIEW. SO THE CAP HAS
4 REALLY NEVER PRESENTED A PROBLEM. FOR EXAMPLE, FOR
5 THE TOOLS AND TECHNOLOGY APPLICATIONS, WE RAN TWO
6 CONCURRENT PEER REVIEW SESSIONS. AND NO. 14,
7 REQUIRE THE CITIZENS FINANCIAL ACCOUNTABILITY
8 OVERSIGHT COMMITTEE, WHICH WAS CREATED BY PROP 71
9 AND IS CHAIRED BY OUR GREAT STATE CONTROLLER JOHN
10 CHEUNG, TO CONDUCT A PERFORMANCE AUDIT OF CIRM.

11 ON THAT POINT, I WANTED TO ARTICULATE TO
12 THE BOARD, BECAUSE I DID MY HOMEWORK HERE, CURRENTLY
13 THESE ARE THE AUDITS THAT WE HAVE TO UNDERGO. NO.
14 1, WE HAVE A YEARLY INDEPENDENT WITH A FIREWALL
15 FINANCIAL AUDIT OF OUR ORGANIZATION. NO. 2, THE
16 STATE CONTROLLER'S OFFICE HAS AN ANNUAL AUDIT REVIEW
17 OF THE INDEPENDENT FINANCIAL AUDIT PERFORMED BY THE
18 INDEPENDENT FINANCIAL AUDIT. NO. 3, THE STATE
19 CONTROLLER'S OFFICE ALSO PERFORMS AN AUDIT REVIEW TO
20 DETERMINE WHETHER WE HAVE COMPLIED WITH THE
21 REQUIREMENTS OF PROP 71 AS IT RELATED TO CIRM'S
22 CONFLICT OF INTEREST POLICIES, OUR GRANT
23 ADMINISTRATION, OUR ADMINISTRATIVE EXPENSES AND
24 EXPENDITURES. AND THAT, THE REPORT, WAS ISSUED ON
25 MAY 1ST, 2008. I WOULD NOT RECOMMEND READING IT IN

BARRISTERS' REPORTING SERVICE

1 ITS ENTIRETY, BUT IT'S A VERY INTERESTING DOCUMENT.
2 AND NO. 4, THE BUREAU OF STATE AUDITS ALSO AUDITS
3 US. AND NO. 5, THE APPROPRIATE LEGISLATIVE FISCAL
4 COMMITTEES AND THEIR FISCAL SUBCOMMITTEES ALSO HAVE
5 THE AUTHORITY TO AUDIT US, AND I'M SURE THEY'VE
6 NEVER BEEN SHY IN DOING SO.

7 WHAT WE DON'T WANT TO SEE WHEN IT COMES TO
8 PERFORMANCE IS FOR SOME AUDITORS IN THE STATE
9 CONTROLLER'S OFFICE TO DETERMINE PERFORMANCE BASED
10 ON SCIENTIFIC RATIONALE BECAUSE THEY'RE NOT
11 QUALIFIED TO DO SO.

12 SO I DON'T SEE WHY WE NEED YET A SIXTH
13 AUDIT BY THE CONTROLLER'S OFFICE WHEN I THINK, QUITE
14 FRANKLY, AND TO THEIR CREDIT, THEY WORKED HARD, BUT
15 I DON'T THINK THE LITTLE HOOVER COMMISSION REALLY
16 KNEW HOW MANY AUDITS WE HAVE TO UNDERGO AS AN
17 AGENCY. AND SO, THEREFORE, I WOULD RECOMMEND NOT
18 APPROVING THAT RECOMMENDATION, BUT I WANTED TO GET
19 TO THE 50-EMPLOYEE CAP ISSUE. MR. PRESIDENT.

20 DR. TROUNSON: WELL, I THINK, ACTING
21 CHAIR, THAT, YOU KNOW, THIS IS A CHALLENGING ISSUE.
22 AND I HAVE ASKED THE GENERAL COUNSEL TO WORK IN
23 COLLABORATION WITH BOARD COUNSEL TO HELP US IN THIS
24 BECAUSE I BELIEVE IN THE MEDIUM TO LONG TERM THAT WE
25 WILL HAVE TO ADDRESS THIS MATTER IN SOME WAY BECAUSE

BARRISTERS' REPORTING SERVICE

1 WE ARE RISING VERY QUICKLY TO THE MAXIMUM OF 50
2 PEOPLE. AND SO WE WILL BECOME HANDICAPPED UNDER
3 THAT IN DUE COURSE. SO RIGHT NOW IT'S NOT A
4 HANDICAP BECAUSE WE AREN'T THERE, BUT IT IS NOT
5 GOING TO TAKE VERY LONG BEFORE WE ARE.

6 SO WHILE IT'S NOT AN ESSENTIAL ISSUE AT
7 THE MOMENT, IT'S ONE OF THE ISSUES THAT WE SHOULD
8 ADDRESS.

9 MR. TORRES: THAT WILL BE PART OF OUR
10 REPORT TO THE LEGISLATURE IS THAT WE'RE NOT IGNORING
11 THIS RECOMMENDATION. WE'RE TAKING IT SERIOUSLY AND
12 UNDER REVIEW.

13 CHAIRMAN KLEIN: I'D LIKE TO EMPHASIZE MY
14 UNDERSTANDING OF OUR EXECUTIVE COMMITTEE POSITION,
15 DR. TROUNSON, IS THAT THERE IS NOT AN ISSUE ABOUT
16 STAYING WITHIN THE 6-PERCENT CAP. VERY CLEARLY THE
17 INTENT IS TO STAY WITHIN THE 6-PERCENT CAP. WE'VE
18 SHOWN WE CAN OPERATE VERY WELL WITHIN IT. AND SO WE
19 HAVE SHOWN TO BE GOOD STEWARDS OF THE STATE'S MONEY
20 AND CAN OPERATE POTENTIALLY WITH LARGER STAFF STILL
21 WITHIN THAT DISCIPLINED LIMITATION AS THE VOTERS PUT
22 IN PLACE. IS THAT A CORRECT STATEMENT?

23 DR. TROUNSON: THAT'S CORRECT, CHAIR,
24 ABSOLUTELY CORRECT. AND WE ANALYZED, WE ASKED JOHN
25 ROBSON TO ANALYZE THAT ISSUE, AND IT IS VERY CLEARLY

BARRISTERS' REPORTING SERVICE

1 THE CASE.

2 CHAIRMAN KLEIN: WE ALSO HAVE THE ABILITY
3 TO AUGMENT OUR STATE TAXPAYER FUNDS BY CONTRIBUTIONS
4 SUCH AS THE CITY AND COUNTY OF SAN FRANCISCO AND THE
5 CHAMBER OF COMMERCE DID IN CONTRIBUTING FUNDS FOR
6 OUR HEADQUARTERS OR OTHER DONOR FUNDS. SO WE HAVE
7 THE OPPORTUNITY TO BE EXTREMELY DISCIPLINED. IF WE
8 NEED AUGMENTATION FUNDS, WE'VE PROVEN AN ABILITY TO
9 OBTAIN THEM.

10 MR. TORRES: ANY OTHER COMMENTS ON ANY OF
11 THE ISSUES THAT HAVE BEEN -- MS. SAMUELSON.

12 MS. SAMUELSON: WE ALSO HAVE A HUGELY
13 DEMANDING MISSION WHICH REQUIRES THAT WE PRODUCE,
14 NOT JUST A REPORT AT THE END OF A GRANT THAT WE
15 FUNDED, BUT A WORK PRODUCT THAT IS SUPPOSED TO AS
16 SOON AS HUMANLY POSSIBLE PRODUCE CURES OF HUMAN
17 SUFFERING AND DISEASE. AND SO WE HAVE TO HAVE A
18 STAFF THAT CAN DELIVER ON THAT ENORMOUS MISSION.

19 SO I THINK IT'S AWFULLY IMPORTANT WE THINK
20 ABOUT THIS SORT OF THING IN THIS CONTEXT. WE'RE NOT
21 JUST ABOUT GREEN EYE SHADES AND BALANCING A BUDGET
22 AND TRYING TO CUT THE BUDGET EVERY WHICH WAY AND
23 THAT THAT'S A GOOD IN AND OF ITSELF. WE'VE GOT A
24 WORK PRODUCT THAT'S TERRIBLY DEMANDING.

25 MR. TORRES: HERE. HERE. MR. PRICE.

BARRISTERS' REPORTING SERVICE

1 DR. PRICE: I'LL WAIT UNTIL YOU GO THROUGH
2 THE ENTIRE REPORT.

3 MR. TORRES: I JUST DID, AND NOW I'M READY
4 TO MAKE THE RECOMMENDATIONS TO THE BOARD.

5 DR. PRICE: LET ME JUST MAKE A -- RAISE A
6 QUESTION, VOICE A CONCERN, MAKE A SUGGESTION ALL AT
7 ONCE, AND IT RELATES TO THE VERY FIRST
8 RECOMMENDATION OF THE LEGISLATIVE SUBCOMMITTEE,
9 WHICH READS, WE WANT TO FOLLOW COUNSEL'S ADVICE,
10 THAT THE PROPOSED AMENDMENTS TO PROPOSITION 71 WOULD
11 REQUIRE ANOTHER VOTE OF THE PEOPLE. AND MY CONCERN
12 HERE IS REALLY ABOUT POLITICAL OPTICS. AND I
13 HESITATE TO LECTURE THE HONORABLE VICE CHAIR IN
14 MATTERS OF POLITICAL OPTICS. I WILL NONETHELESS
15 PLOW AHEAD.

16 AND MY SUGGESTION IS THAT WE CHANGE THE
17 LANGUAGE TO READ THAT WE FOLLOW COUNSEL'S ADVICE,
18 THAT THE PROPOSED AMENDMENTS TO PROPOSITION 71 WOULD
19 VIOLATE THE CURRENT CALIFORNIA CONSTITUTION. THE
20 REASON I SUGGEST THAT IS I CAN ENVISION THE
21 EDITORIAL IN THE *SACRAMENTO BEE* WITH THE HEADLINE,
22 "ICOC OPPOSES A VOTE OF THE PEOPLE."

23 CHAIRMAN KLEIN: COULD I ASK FOR A
24 FRIENDLY AMENDMENT?

25 MR. TORRES: ARE YOU DONE?

BARRISTERS' REPORTING SERVICE

1 CHAIRMAN KLEIN: I'D MAKE A FRIENDLY
2 AMENDMENT TO THAT SUGGESTION. PERHAPS WE COULD
3 INDICATE BECAUSE THE PROPOSED AMENDMENT TO
4 PROPOSITION 71 WOULD VIOLATE THE CONSTITUTION AND/OR
5 THE INITIATIVE, AND IT HAS BEEN RECOGNIZED BY THE
6 COURT SYSTEM THAT IT IS CRITICAL TO RESPECT THE VOTE
7 OF THE 7 MILLION PEOPLE WHO APPROVED PROPOSITION 71.

8 DR. PRICE: THAT'S FINE. MAKES IT RATHER
9 LONG.

10 MR. SERRANO-SEWELL: I DON'T WANT TO
11 BELABOR THIS. BUT IF YOU READ THE -- FIRST OF ALL,
12 IT WAS JAMES HARRISON WHO DID THE LEGAL ANALYSIS, I
13 SUSPECT. LET'S RECALL THAT MR. HARRISON ALSO LED US
14 IN OUR SUCCESSFUL LITIGATION. IT WAS THOSE BRIEFS
15 THAT ARE INFLUENTIAL IN CRAFTING THIS LEGAL OPINION
16 AND THE SENATOR'S RECOMMENDATION TO US.

17 SO JUST SPEAKING AS A LAWYER, SOMETIMES
18 WHEN THE FACTS AND THE CASE LAW SUPPORT A POSITION,
19 YOU CAN MASSAGE IT, BUT THE PROPOSAL FROM THE LITTLE
20 HOOVER COMMISSION DOES VIOLATE PROP 71 AND WOULD
21 REQUIRE ANOTHER VOTE OF THE PEOPLE. AND I THINK
22 THAT'S WHAT THIS SAYS.

23 AND SO I'M COMFORTABLE WITH KEEPING IT AS
24 IT IS. IF WE NEED TO ADD A SENTENCE HERE OR THERE,
25 THAT'S FINE, BUT I DON'T WANT TO SPEND TOO MUCH TIME

BARRISTERS' REPORTING SERVICE

1 ON IT.

2 MR. TORRES: LET ME REITERATE WHAT THE
3 CURRENT LANGUAGE IS, AND THEN WE'LL GET BACK TO THE
4 AMENDMENT AND THE FRIENDLY AMENDMENT. THE
5 CONCLUSION IS ON PAGE 9, AND THE LEGISLATIVE
6 SUBCOMMITTEE MAKES THE FOLLOWING RECOMMENDATIONS TO
7 THE BOARD: NO. 1, OPPOSE THE LITTLE HOOVER
8 COMMISSION RECOMMENDATIONS 1 THROUGH 5 BASED ON
9 COUNSEL'S ADVICE THAT THE PROPOSED AMENDMENTS TO
10 PROP 71 WOULD REQUIRE ANOTHER VOTE OF THE PEOPLE.
11 AND THERE WERE TWO AMENDMENTS TO THAT STATEMENT.
12 AND WOULD YOU RESTATE THEM PLEASE, DR. PRICE?

13 DR. PRICE: THE FRIENDLY AMENDMENT WAS
14 MUCH LONGER, SO I'LL LET BOB RESTATE IT.

15 CHAIRMAN KLEIN: SO I WOULD LIKE TO MAKE A
16 MOTION THAT WE ADOPT THIS RECOMMENDATION WITH A
17 MODIFICATION TO THE LANGUAGE THAT WOULD START --
18 THAT WOULD MAKE AN INSERTION AND A MODIFICATION TO
19 THE CURRENT LANGUAGE BY SAYING THAT THE PROPOSED
20 AMENDMENTS TO PROPOSITION 71 WOULD VIOLATE THE
21 CONSTITUTION AND THE INITIATIVE AND WOULD FAIL TO
22 RESPECT -- AND WOULD NOT RECOGNIZE, AS THE STATE
23 COURT SYSTEM HAS POINTED OUT, THE PRECIOUS VALUE OF
24 AN INITIATIVE APPROVED BY 7 MILLION CALIFORNIANS.

25 MR. TORRES: ALL RIGHT. MR. HARRISON, FOR

BARRISTERS' REPORTING SERVICE

1 YOUR COMMENTS.

2 MR. HARRISON: I HESITATE TO ADD ANYTHING
3 TO WHAT'S ALREADY A RATHER LENGTHY SENTENCE. BUT TO
4 DR. PRICE'S POINT, I THINK, IF I UNDERSTAND
5 CORRECTLY, THE POINT THAT HE WAS MAKING IS THAT THE
6 PROPOSED AMENDMENTS WOULD VIOLATE THE CALIFORNIA
7 CONSTITUTION IF THEY WERE ADOPTED BY THE
8 LEGISLATURE. THAT PERMITS US TO AVOID HAVING TO
9 REFERENCE ANOTHER VOTE OF THE PEOPLE. SO I WOULD
10 JUST RECOMMEND THAT WE INCLUDE THAT ELEMENT.

11 MR. TORRES: WITHOUT OBJECTION, THAT SHALL
12 BE THE ORDER. ANY OTHER DISCUSSION? ALL RIGHT.
13 I'D LIKE TO ASK FOR PUBLIC COMMENT. PLEASE IDENTIFY
14 YOURSELF.

15 MR. REED: HELLO. MY NAME IS ROMAN REED.
16 I HAVE THE GREAT FORTUNE OF HAVING THE ROMAN REED
17 SPINAL CORD INJURY RESEARCH ACT OF 1999. AND I
18 WOULD LIKE TO TELL YOU SOME THINGS THAT ARE VERY
19 IMPORTANT TO ME AND MY FAMILY. FIRST, LET ME RELAY
20 MY FATHER, DON C. REED'S, BEST REGARDS TO YOU FROM
21 PARIS WHERE HE AND MY MOM ARE CELEBRATING THEIR 40TH
22 ANNIVERSARY. SO I'M VERY PROUD OF THEM. HOW THEY
23 GOT TO 40 YEARS DEALING WITH ME, I HAVE NO IDEA.

24 SO THIS WILL BE TWO VERY IMPORTANT ISSUES.
25 FIRST, THE LITTLE HOOVER COMMISSION. WE URGE YOU

BARRISTERS' REPORTING SERVICE

1 THAT OUR OWN LEGISLATIVE SUBCOMMITTEE'S
2 RECOMMENDATIONS BE ADOPTED. PROPOSITION 71 HAS BEEN
3 THROUGH THE FIRES. IT HAS BEEN TRIED, TESTED, AND
4 TRUE. WHILE THERE'S ALWAYS ROOM FOR IMPROVEMENT IN
5 ANYTHING, THE WHOLESALE DO-OVER SUGGESTED BY THE
6 LITTLE HOOVER COMMISSION IS CONTRARY TO THE WISHES
7 OF THE CALIFORNIA ELECTORATE AND, THEREFORE, MUST
8 AND SHOULD BE REJECTED.

9 SECOND, AS YOU KNOW, THERE'S A VERY
10 POSITIVE BILL MOVING THROUGH SACRAMENTO RIGHT NOW.
11 THAT IS SENATE BILL 471 SPONSORED BY SENATORS GLORIA
12 ROMERO AND DARRELL STEINBERG. SB 471 WOULD PUT STEM
13 CELL EDUCATION INTO THE HIGH SCHOOLS AND COLLEGES OF
14 OUR GREAT STATE. UNFORTUNATELY THERE IS A PROBLEM.
15 ACCORDING TO SENATOR GLORIA ROMERO'S OWN LEGISLATIVE
16 AIDE, JACKIE MCKINNEY, SB 471 WILL LIKELY BE
17 RECOMMENDED FOR THE SUSPENSE FILE DUE TO AN
18 UNANTICIPATED NEED OF \$700,000.

19 THIS ESSENTIALLY MEANS THAT FOR THE BILL,
20 AS MS. MCKINNEY PUTS IT, QUOTE, APPROPRIATIONS
21 COMMITTEE STAFF HAS INDICATED IT WILL LIKELY BE A
22 STAFF RECOMMENDATION THAT SB 471 BE PUT ON SUSPENSE
23 BECAUSE OF A SECTION OF THE BILL REQUIRING THE STATE
24 BOARD OF EDUCATION TO INCLUDE STEM CELL BIOLOGY IN A
25 REVISION OF THE SCIENCE FRAMEWORK. THE RECENTLY

BARRISTERS' REPORTING SERVICE

1 ENACTED BUDGET REVISION ELIMINATED THE CURRICULUM
2 COMMISSION AND SUSPENDED FOR FIVE YEARS CURRICULUM
3 REVISIONS AND NEW TEXTBOOK ADOPTIONS. THE
4 CURRICULUM COMMISSION RECOMMENDS REVISED FRAMEWORKS
5 TO THE STATE BOARD FOR ADOPTION, THUS, ACCORDING TO
6 MS. RODRIGUEZ, SHE'S CONCLUDING THAT THE COST OF
7 SB 471 INCLUDES 700,000 TO RESURRECT THE CURRICULUM
8 COMMISSION, UNQUOTE.

9 SUDDENLY WHAT WAS A FREE BILL WITH ALMOST
10 NO COST TO THE TAXPAYER HIMSELF HAS HAD A FEE TACKED
11 ONTO IT WHICH ENDANGERS AND MIGHT BRING DOWN THE
12 ENTIRE BILL. INTERESTINGLY, THE DEPARTMENT OF
13 FINANCE OWN ANALYST DOES NOT AGREE WITH THIS COST
14 AND SHOULD NOT BE INCLUDED IN THE ANALYSIS. OUR
15 STEM CELL BILL, SB 471, MUST NOT BE MADE A HOSTAGE
16 TO THE CURRENT SACRAMENTO FISCAL QUAGMIRE.

17 I WOULD HOPE THAT THE ICOC, BOTH AS A
18 GROUP AND AS INDIVIDUAL MEMBERS, WOULD CONTACT THEIR
19 APPROPRIATIONS COMMITTEE ASSEMBLYMAN KEVIN DELEON
20 AND REQUEST THAT SB 471 NOT BE PUT IN THE SUSPENSE
21 FILE.

22 FURTHER, I'D LIKE TO ADD THAT I COMPLETELY
23 AGREE WITH MR. BOARDMEMBER DUANE ROTH WHO BROUGHT UP
24 THE IMPORTANT NOTION OF PUTTING OUT THE GRAND TOTAL
25 OF WHAT EACH INDIVIDUAL DISEASE COSTS AS THE SALK

BARRISTERS' REPORTING SERVICE

1 INSTITUTE DID IN PREVENTING \$30 BILLION A YEAR IN
2 POLIO DAMAGE BY CREATING OF THE CURE. IT IS SUCH AN
3 IMPORTANT MEASURE TO HAVE THE ACTUAL COST OUT THERE.

4 WORKING FOR THE BURGEONING STANFORD
5 PARTNERSHIP FOR SPINAL CORD INJURY AND REPAIR UNDER
6 THE DR. GARY STEINBERG AT THE WORLD CLASS STANFORD
7 MEDICAL SCHOOL LED BY THE GREAT BOARD MEMBER PHILIP
8 PIZZO. ABSOLUTELY. HE'S A GREAT LEADER.

9 DR. PIZZO: WELL SAID.

10 MR. TORRES: LET THE RECORD SHOW THAT DR.
11 PIZZO SAID WELL SAID.

12 MR. REED: I REALIZE HOW IMPORTANT IT IS
13 TO DO FUNDING TO FIND A CURE, AND TO BE ABLE TO PUT
14 A NUMBER OUT THERE WILL DRAW ATTRACTORS WITH THE
15 STRENGTH THAT IS NEARLY UNIMAGINABLE. SO I
16 COMPLETELY CONCUR WITH YOU, MR. ROTH. THANK YOU,
17 BOARD. AND YOU ARE DOING A FABULOUS JOB. THANK
18 YOU.

19 MR. TORRES: THANK YOU, MR. REED. AND OUR
20 LOVE AND BLESSINGS TO YOUR BEAUTIFUL PARENTS.

21 I'D LIKE TO RESPOND ON SB 471. I
22 PERSONALLY SPOKE TO THE CHAIR OF THE APPROPRIATIONS
23 COMMITTEE TO LET HIM KNOW THAT THE ANALYSIS BY HIS
24 OWN COMMITTEE WAS NOT CORRECT TO REFER TO THE
25 DEPARTMENT OF FINANCE ANALYSIS. BUT LET ME TELL YOU

BARRISTERS' REPORTING SERVICE

1 WHAT USUALLY HAPPENS.

2 A BILL MAY GO TO SUSPENSE IF THERE'S A
3 QUESTION MARK. THEN OUR CHALLENGE, MINE
4 PARTICULARLY, IS TO MOVE THAT BILL OUT OF SUSPENSE
5 WHEN WE RESOLVE THOSE ISSUES. WE'RE TRYING TO FIND
6 OUT, BECAUSE THE HEARING WAS TODAY, AND IT MAY BE
7 STILL GOING ON BECAUSE THERE ARE MANY BILLS THAT
8 WERE ON THE AGENDA. WE'LL LET YOU KNOW AS SOON AS
9 WE HEAR JUST WHAT THE STATUS IS AT THIS POINT.

10 MR. REED: THANK YOU SO MUCH.

11 MR. TORRES: ANY OTHER PUBLIC COMMENTS ON
12 THE LITTLE HOOVER RECOMMENDATIONS OF THE LEGISLATIVE
13 SUBCOMMITTEE? IF NOT, MR. CHAIRMAN, I WOULD MOVE
14 THAT WE -- THAT THE BOARD APPROVE ITEMS 1, 2, AND 3
15 AS ARTICULATED ON PAGE 9.

16 MR. ROTH: I'LL SECOND. AND I'D LIKE TO
17 MAKE JUST ONE COMMENT. AND THAT IS THAT I THINK THE
18 LITTLE HOOVER COMMISSION REPORT DID WHAT THEY WERE
19 ASKED TO DO. THEY DID IT IN A PROFESSIONAL AND
20 REASONED WAY. THERE WAS NOTHING IN THIS REPORT THAT
21 REALLY, I THINK, WAS UNREASONABLE FOR US TO
22 CONSIDER. AND I THINK, LIKewise, OUR RESPONSE TO
23 THEM WAS EXTREMELY PROFESSIONAL AND WELL THOUGHT OUT
24 AND REASONED.

25 MUCH OF WHAT THEY'RE RECOMMENDING IS

BARRISTERS' REPORTING SERVICE

1 OPINION, AND OPINIONS DIFFER, AND I THINK THAT'S THE
2 BASIS OF IT. BUT I THINK WE DID A REMARKABLE JOB OF
3 CONSIDERING THIS, TAKING IT VERY SERIOUS IN TERMS OF
4 THEIR RECOMMENDATIONS AND DEALING WITH THOSE THAT WE
5 COULD. SO I THANK EVERYBODY THAT WORKED ON THAT FOR
6 MAKING THAT HAPPEN, INCLUDING THE LEADERSHIP THAT
7 YOU HAD ON THIS, ART.

8 MR. TORRES: THANK YOU, MR. ROTH.

9 DR. PRIETO: MR. CHAIR, I'D JUST LIKE TO
10 MAKE THE OBSERVATION FOR THOSE OF YOU WHO WEREN'T ON
11 THE SUBCOMMITTEE. SEVERAL MEMBERS OF THE LITTLE
12 HOOVER COMMISSION STAFF WERE PRESENT AT OUR
13 SACRAMENTO SITE FOR THE LEGISLATIVE SUBCOMMITTEE
14 MEETING. AND THEY MADE THE OBSERVATION TO THOSE OF
15 US THERE AFTER WE HAD FINISHED THAT THEY WERE
16 ACTUALLY VERY IMPRESSED WITH THE WAY WE HAD DEALT
17 WITH THEIR REPORT, THAT IN CONTRAST TO MOST OTHER
18 STATES AND COMMISSIONS, WHICH BASICALLY ACCEPT THESE
19 REPORTS, THANK YOU VERY MUCH, AND IGNORE THEM, THAT
20 WE -- SERIOUSLY THAT WE AGENDIZED THEM AND TOOK
21 THEIR RECOMMENDATIONS POINT BY POINT AND DEALT WITH
22 THEM SERIOUSLY. AND THEY WERE FAVORABLY IMPRESSED.
23 WE DEALT WITH THIS IN A VERY PROFESSIONAL MANNER.

24 DR. LOVE: I THINK MY POINT IS A LITTLE
25 BIT SIMILAR. I JUST WANTED TO EMPHASIZE THAT I

BARRISTERS' REPORTING SERVICE

1 THOUGHT THE LEGISLATIVE COMMITTEE DID A BRILLIANT
2 JOB IN TERMS OF GOING THROUGH THE LITTLE HOOVER
3 COMMISSION REPORT, RESPONDING VERY THOUGHTFULLY.
4 THIS DOCUMENT, ART, IS VERY WELL WRITTEN. I THINK
5 BEAUTIFULLY DESCRIBES OUR POSITION. IT IS SOMETHING
6 I THINK WE CAN EASILY GET BEHIND DEFENDING, SO I
7 WANTED TO REALLY CONGRATULATE YOU FOR YOUR
8 LEADERSHIP AND YOUR LEGISLATIVE SUBCOMMITTEE.

9 I DID HAVE ONE MINOR QUESTION I WANTED TO
10 ASK, AND THAT REGARDS TAKING THE POLL WITH REGARD TO
11 FINANCIAL DISCLOSURE. AND ONE OF THE RULES THAT YOU
12 LEARN, AT LEAST I LEARNED IN MEDICINE, IS DON'T DO A
13 TEST UNLESS YOU'RE WILLING TO ACT ON THE RESULTS.
14 AND IT JUST MAKES ME WONDER OUT LOUD IF WE DO THIS
15 POLL AND PEOPLE COME BACK SAYING THAT THEY WOULD BE
16 OKAY WITH DISCLOSURE OR THEY WOULDN'T RESIGN, DO WE
17 THEN WANT TO GO AHEAD AND DO THAT? I'M NOT ACTUALLY
18 NOT SURE THAT WE DO.

19 SO I'M ASKING OUT LOUD DO WE REALLY WANT
20 TO GENERATE INFORMATION, AT LEAST WITH THE
21 PERCEPTION THAT WE MAY ACT ON IT WHEN, IN FACT, WE
22 MAY NOT WANT TO ACT ON IT?

23 MR. TORRES: MR. SHEEHY. I'M SORRY. DR.
24 TROUNSON FIRST, MR. SHEEHY, THEN MR. KLEIN.

25 DR. TROUNSON: WELL, I THINK THAT IS A

BARRISTERS' REPORTING SERVICE

1 VERY VALID POINT, TED. WE FELT THAT THERE WAS NO
2 REASON WHY WE SHOULDN'T DO IT. RATHER THAN MAYBE
3 FRIGHTEN THE WHOLE OF THE 115 PEOPLE BY ASKING AND
4 THEN HAVE THEM THINK THAT THAT'S WHAT WE'RE GOING TO
5 DO, WE WOULD DO IT ANONYMOUSLY WITH THE GROUP THAT
6 WAS SITTING DOWN TO COME TO THE GRANTS WORKING
7 GROUP.

8 SO IF, FOR EXAMPLE, THERE WAS JUST PERHAPS
9 ONE OR TWO WHO WERE CONCERNED, THE REST WERE OKAY
10 WITH IT, THEN I THINK WE WOULD PROBABLY NEED TO CALL
11 POLL THE WHOLE LOT. UNDER THOSE CIRCUMSTANCES, I
12 THINK WE'D THEN HAVE TO BRING IT BACK TO THE
13 LEGISLATIVE SUBCOMMITTEE AND SAY, WELL, THIS IS WHAT
14 WE FOUND. AND IT MAY BE THAT IT WOULDN'T HAVE AN
15 IMPACT ON THEM AND THEN HAVE THAT DISCUSSION HERE
16 AGAIN.

17 SO I THINK PROBABLY THE STAFF FELT THAT
18 THE REQUEST WAS FOR US TO DO IT. WE FELT THAT IT
19 WAS NOT ONEROUS OR UNREASONABLE THAT WE DO THE POLL.
20 AND IF IT TURNS OUT, OF COURSE, IF THEY OBJECT, THEN
21 WE HAVE SUBSTANCE TO OUR CLAIM THAT MIGHT AFFECT
22 THAT. IF IT DOES NOT, WE'LL BRING IT BACK TO THE
23 LEGISLATIVE SUBCOMMITTEE.

24 MR. TORRES: MR. SHEEHY, MR. KLEIN, AND
25 DR. PIZZO.

BARRISTERS' REPORTING SERVICE

1 MR. SHEEHY: I ACTUALLY AGREE WITH DR.
2 LOVE'S POINT. THIS EXERCISE ACTUALLY HAS BEEN GONE
3 THROUGH IN THE PAST AS PART OF THE STRATEGIC
4 PLANNING PROCESS UNDER -- FOR OUR FIRST STRATEGIC
5 PLAN, WE ACTUALLY HAD A PUBLIC MEETING AT WHICH
6 SEVERAL MEMBERS OF THE WORKING GROUP WERE AT, AND
7 THE QUESTION WAS POSED TO THE MEMBERS OF THE WORKING
8 GROUP. AND WE ACTUALLY HAD A VERY NEGATIVE REACTION
9 TO THAT QUESTION. AND THE REVIEWER WHO HAD A
10 NEGATIVE REACTION SUBSEQUENTLY RESIGNED FROM THE
11 WORKING GROUP. SO ASKING THE QUESTION ITSELF DID
12 HAVE A NEGATIVE IMPACT ON OUR ABILITY TO RECRUIT
13 WORKING GROUP MEMBERS. SO I DON'T -- AGAIN, SO YOUR
14 POINT IS VALUABLE.

15 CHAIRMAN KLEIN: IT'S IMPORTANT TO NOTE
16 THIS IS A POLL, NOT A 51-PERCENT VOTE. SO WE CAN'T
17 AFFORD TO LOSE 35 OR 40 PERCENT OF OUR WORKING
18 GROUP. SO IF ANY SIGNIFICANT PORTION OF OUR WORKING
19 GROUP WERE TO SAY THAT THIS IS NOT ACCEPTABLE, I
20 WOULD, PERSONALLY SPEAKING AS AN INDIVIDUAL, BELIEVE
21 THAT WE SHOULDN'T ADOPT THE PROCEDURE THAT MAY LOSE
22 SOME OF THE BEST TALENT IN THE COUNTRY BECAUSE THE
23 QUALITY OF OUR PEER REVIEWERS IS VITAL TO
24 ACCOMPLISHING OUR MISSION.

25 SO THIS IS LET'S NOT CONFUSE THIS POLL

BARRISTERS' REPORTING SERVICE

1 WITH A VOTE OF A MAJORITY. THIS IS -- IT'S VERY
2 IMPORTANT THAT THERE BE A VERY HIGH DEGREE OF
3 CONSENSUS THAT IT IS ACCEPTABLE TO BE ABLE TO GO
4 FORWARD WITH IT. OTHERWISE WE COULD SEVERELY DAMAGE
5 OUR ABILITY TO DO THE BEST PEER REVIEW POSSIBLE FOR
6 THE PATIENTS AND VOTERS OF CALIFORNIA.

7 DR. PIZZO: SO I AGREE WITH THE COMMENTS
8 THAT HAVE MADE. THE QUESTION THAT I HAVE IS WHETHER
9 OR NOT THE OBJECTION IS TO DISCLOSURE AS A CASE IN
10 POINT OR TO FILLING OUT FORM 700, WHICH IS A MUCH
11 MORE ELABORATE PROCESS. WE DO THAT BECAUSE WE
12 RECOGNIZE ITS IMPORTANCE. WE ALL DO DISCLOSURE IN
13 OUR ACADEMIC INSTITUTIONS ON A REGULAR BASIS. IT'S
14 JUST PART OF THE BUSINESS OF BEING IN A UNIVERSITY.
15 AND IF IT WERE SORT OF A STANDARD DISCLOSURE FORM AS
16 A COMPROMISE, I THINK THAT WOULD BE STRAIGHTFORWARD.
17 I'D HAVE A HARD TIME BELIEVING THAT ANYONE WOULD
18 OBJECT TO IT, BUT I CAN UNDERSTAND WHY SOME MIGHT
19 OBJECT TO THE MORE ONEROUS PROCESS OF THE FORM 700.

20 MR. SHEEHY: WELL, LET ME RESPOND TO THAT.
21 WELL, FIRST, THE REQUIREMENTS -- THE CONFLICT OF
22 INTEREST RULES FOR THE WORKING GROUP ARE ACTUALLY
23 MORE ONEROUS THAN FORM 700 AND MORE EXTENSIVE. THEY
24 ALSO INCLUDE PROFESSIONAL CONFLICTS OF INTEREST.
25 AND, IN FACT, THEY DO DISCLOSE -- IT'S NOT

BARRISTERS' REPORTING SERVICE

1 DISCLOSURE PER SE. IT'S PUBLIC DISCLOSURE THAT THEY
2 OBJECT TO.

3 AND I WOULD NOTE IN OUR LIST OF AUDITS
4 THAT OUR ACTING CHAIR WENT THROUGH ON HIS EARLIER
5 ITEM THAT THESE CONFLICT OF INTEREST DISCLOSURES ARE
6 AUDITED BY AN EXTERNAL AUDITOR TO MAKE SURE THAT
7 WE'RE COMPLYING WITH OUR OWN RULES. OUR RULES FOR
8 CONFLICT OF INTEREST ARE MORE STRINGENT THAN NIH.
9 SO WE HAVE A VERY RIGOROUS REGIME FOR OUR WORKING
10 GROUP MEMBERS, AND THE ONLY THING IS THEY'D REALLY
11 NOT LIKE TO READ THEM AND HAVE THEM DISCUSSED AND
12 DIALOGUED WITH. IT MAY TO HAVE TO DO WITH OUR
13 POLITICAL PROFILE, THE CONTROVERSY WITH OUR RESEARCH
14 HAS BEEN -- HAS GENERATED. THERE'S SIGNIFICANT
15 OPPOSITION. THERE'S A WHOLE HOST OF REASONS WHY YOU
16 MIGHT IMAGINE SOMEBODY WOULD NOT LIKE THE WHOLE
17 REALM OF THEIR FINANCIAL AND PERSONAL CONFLICTS OF
18 INTEREST OUT IN THE PUBLIC REALM, BUT THEY'VE BEEN
19 VERY WILLING TO DISCLOSE. THERE'S BEEN NO PROBLEM
20 AT ALL IN GETTING DISCLOSURE.

21 MR. TORRES: ANY OTHER COMMENTS? DR.
22 LOVE.

23 DR. LOVE: I JUST WANT TO REARTICULATE MY
24 POINT A LITTLE BIT MORE FIRMLY. AND THAT IS THAT
25 EVEN -- I HAVE NO DOUBT THAT THE POLL WILL COME BACK

BARRISTERS' REPORTING SERVICE

1 AND REAFFIRM THAT PEOPLE ARE NOT INTERESTED IN THIS.
2 BUT MY POINT IS REALLY A DIFFERENT ONE. THAT IS
3 THAT EVEN IF THE POLL CAME BACK AND SAID SOMETHING
4 THAT WE WERE SURPRISED WITH, MY STRONG
5 RECOMMENDATION WOULD BE THAT WE NOT GO THERE. AND
6 THE REASON I WOULD RECOMMEND THAT IS BECAUSE, AS I
7 READ THIS REPORT, THERE'S GREAT JUSTIFICATION FOR
8 THE PROCESS THAT WE'VE GOT IN PLACE AS BEING A HIGH
9 QUALITY, HIGH INTEGRITY, GOLD STANDARD PROCESS. AND
10 I WOULD BE RELUCTANT THAT WE LAYER ON TOP OF THAT
11 MORE PAPERWORK, MORE BUREAUCRACY WHEN WE KNOW IT IS
12 NOT GOING TO IMPROVE ANYTHING RELATED TO OUR
13 MISSION.

14 SO I JUST AS A PRINCIPLE HAVE CONCERN
15 ABOUT LAYERING SOMETHING THAT HAS NO UPSIDE AND MAY
16 HAVE DOWNSIDES THAT WE DON'T EVEN ENVISION.

17 MR. TORRES: THANK YOU, DR. LOVE. ANY
18 OTHER QUESTIONS BEFORE WE MOVE TO THE VOTE?

19 DR. TROUNSON: SO I THINK THE REQUEST WAS
20 TO POLL THE PEOPLE, BUT NOT TO MAKE -- THERE WAS NO
21 RECOMMENDATION FURTHER AND ANY FURTHER ACTION. SO
22 THE ISSUE THAT WE TOOK ON BOARD WAS IT WAS VERY
23 DIFFICULT TO FIND A REASON WHY WE WOULDN'T POLL AT
24 LEAST A SUBSET. I WASN'T REALLY AWARE OF THE POINT
25 JEFF MADE WHEN WE MADE THOSE RECOMMENDATIONS. I

BARRISTERS' REPORTING SERVICE

1 WASN'T HERE AT THAT TIME.

2 BUT I THINK THAT THE SENSE THAT WE MIGHT
3 LOSE SOMEONE WOULD BE A CONCERN FOR ME; BUT NOT TO
4 DO THE POLL SEEMED TO BE, YOU KNOW, UNREASONABLE,
5 AND SO MANAGEMENT WAS TRYING TO BE REASONABLE. BUT
6 IT DIDN'T SAY THAT WE HAD TO TAKE ANY ACTION ON
7 WHATEVER WE FOUND.

8 MR. SHEEHY: I WONDER IF THE MAKER OF THE
9 MOTION WOULD TAKE A FRIENDLY AMENDMENT TO REMOVE THE
10 REFERENCE TO THE POLL. I THINK THE PRESIDENT'S
11 SIGNALLED HE MAY BE -- BASED ON NEW INFORMATION, HE
12 MAY BE FAVORABLE TOWARDS THAT. AND WE DO -- I
13 MEAN --

14 MR. TORRES: YOUR AMENDMENT IS TO THE MAIN
15 MOTION WHICH I MADE, WHICH WAS TO ACCEPT ITEMS 1, 2,
16 AND 3. AND YOU ARE SUGGESTING THAT YOU AMEND THAT
17 MOTION TO EXCLUDE ITEM NO. 8, STAFF POSITION ON PAGE
18 5.

19 MR. SHEEHY: YEAH. BECAUSE WE DO HAVE AN
20 INSTANCE OF A MEMBER, WHEN THIS ISSUE WAS FIRST
21 RAISED, OF A MEMBER REMOVING THEMSELVES FROM THE
22 COMMITTEE, RESIGNING FROM THE COMMITTEE. SO GIVEN
23 THAT THAT WASN'T -- THAT STAFF WAS NOT AWARE OF THAT
24 WHEN THEY MADE THIS RECOMMENDATION, I WOULD SURE
25 HATE TO LOSE EVEN A SINGLE REVIEWER. AS I STATED,

BARRISTERS' REPORTING SERVICE

1 WE HAVE A MORE RIGOROUS CONFLICT OF INTEREST PROCESS
2 THAN ANY AGENCY IN THE COUNTRY AS FAR AS I'M AWARE
3 OF THAT REVIEW SCIENTIFIC GRANTS, THAT THESE INCLUDE
4 THE PERSONAL CO-PUBLICATION, MENTOR/MENTEE
5 RELATIONSHIPS, A WHOLE HOST OF RELATIONSHIPS THAT
6 ARE NOT CONSIDERED BY THE FORM 700, AND THAT THESE
7 CONFLICT OF INTEREST DISCLOSURES ARE AUDITED BY THE
8 INDEPENDENT AUDITOR OF THE STATE, I THINK WE ARE NOT
9 IN ANY WAY JEOPARDIZING OUR ACCOUNTABILITY TO THE
10 PUBLIC BY NOT GOING THROUGH THIS EXERCISE.

11 MR. TORRES: I THINK YOU'LL FIND
12 TREMENDOUS SYMPATHY WITH THE LEGISLATURE OF ANYONE
13 NOT WANTING TO BE REQUIRED TO FILE A 700 FORM. SO I
14 THINK THAT'S CERTAINLY GOING TO BE THE CASE THERE.

15 SO THE AMENDMENT TO THE MAIN MOTION READS
16 THAT WE ADOPT ITEMS 1, 2, AND 3 AS ARTICULATED ON
17 THE FINAL PAGE OF YOUR ITEM NO. 7, BUT TO
18 ELIMINATE -- DO NOT ACCEPT RECOMMENDATION NO. 8. IS
19 THAT A CORRECT STATEMENT OF YOUR MOTION?

20 MR. SHEEHY: YES.

21 MS. GIBBONS: DOES THE VOTE INCLUDE THE
22 AMENDMENT TO ITEM 3 AS READ PRIOR?

23 MR. TORRES: YES.

24 MS. GIBBONS: AND THE ELIMINATION OF 8?

25 MR. TORRES: YES.

BARRISTERS' REPORTING SERVICE

1 DR. PRIETO: I THINK IT'S A LITTLE HARD TO
2 ARGUE PUBLICLY IN FAVOR OF REMAINING IGNORANT GIVEN
3 THE TERMS UNDER WHICH WE WOULD BE CONDUCTING THIS
4 POLL; THAT IS, ANONYMOUSLY POLLING OUR REVIEWERS AS
5 TO WHETHER THIS PUBLIC DISCLOSURE WOULD IMPACT THEIR
6 WILLINGNESS TO SERVE. I THINK I HAVE A FEELING FOR
7 WHAT THE RESULTS OF THAT POLL IS GOING TO BE. AND
8 IF THAT POLL COMES BACK WITH EVEN 10 OR 20 PERCENT
9 OF OUR REVIEWERS SAYING, YES, THAT WOULD NEGATIVELY
10 IMPACT THEM, THEN I KNOW WHAT MY VOTE WOULD BE ON
11 ANY FUTURE CONSIDERATION OF THIS QUESTION, WHICH
12 WOULD BE NO. LET'S NOT PUBLICLY DISCLOSE THIS GIVEN
13 THE SAFEGUARDS WE ALREADY HAVE IN PLACE. BUT I
14 DON'T THINK THAT EXTENDS TO REFUSING TO ASK THE
15 QUESTION, PARTICULARLY UNDER THE TERMS WE'VE TALKED
16 ABOUT, WHICH IS ASKING IT ANONYMOUSLY.

17 MR. TORRES: WELL, I'M IN A DILEMMA THEN.
18 I WOULD LIKE TO RETRACT MY MOTION AND ALLOW THE
19 MOTION ON ITEM NO. 8 TO BE STANDALONE AND LET THE
20 COMMITTEE VOTE ON THAT MOTION ALONE BECAUSE I WOULD
21 SURE LIKE TO HAVE A UNANIMOUS VOTE ON THE
22 RECOMMENDATIONS THAT I CAN TAKE TO THE LEGISLATURE
23 AND SAY WE UNANIMOUSLY SUPPORT THESE
24 RECOMMENDATIONS. SO I WILL RETRACT MY MOTION.

25 AND THE MOTION ON THE FLOOR IS BY

BARRISTERS' REPORTING SERVICE

1 MR. SHEEHY, WHICH IS TO -- HIS MOTION IS TO NOT
2 ACCEDE TO THE POLL. IS THERE A SECOND?

3 DR. LOVE: SECOND.

4 MR. TORRES: SECOND BY DR. LOVE.
5 DISCUSSION? I THINK WE'VE HAD IT.

6 MS. SAMUELSON: JUST TO BELABOR IT A
7 LITTLE. I THINK IT'S IMPORTANT THAT THE RECORD
8 REFLECT HOW ONEROUS OUR CONFLICT OF INTEREST RULES
9 NOW ARE AND THE IMPACT OF THEM ON THE COMMITTEE. IT
10 ALSO REQUIRES RECUSAL. AND WE HAVE MANY MEMBERS OF
11 THE WORKING GROUP WHO ARE EXCLUDED BECAUSE OF THIS
12 EXTENSIVE SERIES OF CONFLICT REQUIREMENTS FROM THE
13 DISCUSSION, AND THAT REDUCES THE QUALITY OF OUR
14 DISCUSSIONS CONSIDERABLY, IN MY OPINION.

15 I THINK OUR DISCLOSURE RULES, CONFLICT
16 RULES ARE EXCESSIVE AND ONEROUS. AND THE THOUGHT OF
17 ADDING TO THEM IS OFFENSIVE TO ME. AND I THINK IT
18 WOULD BE DISINGENUOUS TO THINK ABOUT POLLING THE
19 WORKING GROUP ESPECIALLY IF WE'VE ALREADY HAD AN
20 EXAMPLE IN WHICH A MEMBER RESIGNED PERHAPS BECAUSE
21 OF IT.

22 MR. TORRES: SO IF YOU'LL GO BACK TO PAGE
23 5, INDULGE ME FOR JUST A QUICK MOMENT, WE BASICALLY
24 DID CITE THAT, BUT WE CAN EXPAND UPON THAT.
25 IRRESPECTIVE OF WHAT THE VOTE IS TONIGHT ON THIS

BARRISTERS' REPORTING SERVICE

1 MOTION, WE SHOULD INCLUDE THAT AS PART OF THE
2 STATEMENT THAT WE GIVE TO THE LEGISLATURE. ALL
3 RIGHT. ARE WE CLEAR ON WHAT THE MOTION IS?

4 DR. POMEROY: THIS RECOMMENDATION WAS
5 REQUESTED OF US, AND IT SEEMED TO ME TO BE A BENIGN
6 THING TO DO IN ORDER TO BUILD SOME TRUST WITH THE
7 PUBLIC. WE KEPT SAYING, YOU KNOW, IF YOU REQUIRE
8 PUBLIC DISCLOSURE, IT WILL HURT OUR MISSION BECAUSE
9 WE WON'T BE ABLE TO GET PEOPLE AS EASILY. AND THEN
10 WE SAID TRUST US. WE WON'T GO GET YOU THE DATA.
11 THAT'S WHAT DECLINING TO DO THE POLL WOULD BE
12 SAYING.

13 SO I THINK I KNOW WHAT THE POLL WOULD
14 SHOW. I THINK THERE WOULD BE AT LEAST A SIGNIFICANT
15 NUMBER OF PEOPLE WHO WOULD SAY THAT THAT WOULD
16 NEGATIVELY IMPACT THEIR WILLINGNESS TO SERVE. BUT
17 FOR ME AGREEING TO DO THIS POLL IS REACHING OUT AND
18 SAYING WE'RE WILLING TO GO ASK THE QUESTION TO MAKE
19 SURE THAT OUR PERCEPTION IS INDEED ACCURATE.

20 SO I WILL -- SEE IF I CAN GET MY DOUBLE
21 NEGATIVES HERE CORRECT. I WILL NOT BE VOTING FOR
22 THE AMENDMENT TO RETRACT THIS RECOMMENDATION.

23 MR. TORRES: ALL RIGHT. ANY OTHER
24 COMMENTS FROM THE BOARD BEFORE MOVE TO PUBLIC
25 COMMENT? MR. KLEIN.

BARRISTERS' REPORTING SERVICE

1 CHAIRMAN KLEIN: I WOULD AGREE WITH DR.
2 POMEROY. THIS IS AN EXAMPLE OF A POINT THAT WE CAN
3 ACT TO ENHANCE TRUST WITH THE LEGISLATURE, ENHANCE
4 TRUST WITH THE PUBLIC BECAUSE IF WE ARE TO VOTE
5 AGAINST THIS, IT WILL BE SPUN IN THE OTHER
6 DIRECTION. WE ARE PROVIDING TRANSPARENCY WHEREVER
7 IT DOESN'T HARM OUR MISSION AND TO THE MAXIMUM
8 EXTENT POSSIBLE AND, AS JOAN SAYS, CREATING INTERNAL
9 RULES THAT ARE MUCH SEVERE THAN EVEN THE NIH. SO I
10 THINK THIS IS AN OPPORTUNITY TO DO SOMETHING WHERE
11 IT'S FAIRLY PREDICTABLE. WE CERTAINLY HAVE TAKEN
12 POSITIONS IN THE PAST THAT WE WON'T DO DISCLOSURE
13 BECAUSE WE BELIEVE IT WILL HURT OUR MISSION.
14 THEY'RE CALLING THE QUESTION. I THINK IT IS
15 IMPORTANT FOR US TO DO THIS POLL. WE'VE CHOSEN TO
16 DO IT WITH A WORKING GROUP THAT IS AT THE AGENCY FOR
17 A SPECIFIC REVIEW. IT IS A SUBSTANTIAL SAMPLE. AND
18 I BELIEVE THAT BY DOING IT IN THAT CONTEXT AND
19 TELLING THEM WHAT THE BOARD'S COMMUNICATION IS, THAT
20 THERE'S NO INTENT TO FOLLOW THROUGH WITH THIS AS AN
21 ACTION IF THERE'S ANY SIGNIFICANT IMPACT ON OUR
22 MISSION, THAT WE WILL NOT LOSE ADDITIONAL REVIEWERS.

23 DR. PIZZO: ONE LAST COMMENT. JUST
24 BECAUSE OF THE OPTICS THAT'S GOING ON AROUND THE
25 COUNTRY WITH REGARD TO DISCLOSURE AND INVESTIGATIONS

BARRISTERS' REPORTING SERVICE

1 THAT ARE GOING ON BY SOME OF OUR SENATOR COLLEAGUES,
2 PARTICULARLY SENATOR GRASSLE, I THINK THAT IT IS
3 GOING TO BE IMPORTANT AS WE PROCEED TO MAKE CLEAR
4 THE VERY POINT THAT JEFF MADE, WHICH IS THAT THIS IS
5 NOT AN ISSUE OF DISCLOSURE. I THINK WE NEED TO BE
6 CLEAR THAT THE MEMBERS OF THE WORKING GROUP ARE
7 DISCLOSING, AS YOU SAID, IN GREAT DETAIL. IT'S A
8 MATTER OF MAKING THAT DISCLOSURE PUBLIC. THAT'S A
9 VERY DIFFERENT THING, AND I THINK THAT REALLY,
10 BECAUSE OF THE OPTICS OF THIS, THAT WE BE SURE THAT
11 OUR COMMUNICATIONS SPEAK TO THE STRENGTH OF THE
12 DISCLOSURES THAT WE'RE CURRENTLY ALREADY INVOKING
13 AND DOING.

14 MR. TORRES: ANY OTHER COMMENTS FROM THE
15 BOARD? PUBLIC COMMENTS? THERE BEING NONE, WE'LL
16 CALL THE ROLL ON THIS MOTION. THE MOTION IS TO NOT
17 ENDORSE THE RECOMMENDATION OF THE LITTLE HOOVER
18 COMMISSION NO. 8, POLL PEER REVIEWERS TO DETERMINE
19 WHETHER THEY WOULD RESIGN IF THEY WERE REQUIRED TO
20 PUBLICLY DISCLOSE THEIR FINANCIAL INTERESTS.
21 STAFF'S RECOMMENDATION WAS TO ENDORSE THIS PROPOSAL
22 TO TAKE AN ANONYMOUS POLL OF THE GWG MEMBERS.

23 DR. PRICE: YES IS A NO ON THAT ISSUE?

24 MR. TORRES: CORRECT.

25 DR. PRICE: LIKE A PROPOSITION.

BARRISTERS' REPORTING SERVICE

1 MR. TORRES: WELCOME TO AMERICAN POLITICS.
2 MS. KING: DONALD DAFOE.
3 DR. DAFOE: NO.
4 MS. KING: ROBERT PRICE.
5 DR. PRICE: YES.
6 MS. KING: DAVID BRENNER.
7 DR. BRENNER: YES.
8 MS. KING: JACOB LEVIN.
9 DR. LEVIN: NO.
10 MS. KING: MARCY FEIT.
11 MS. FEIT: YES.
12 MS. KING: LEEZA GIBBONS.
13 MS. GIBBONS: YES.
14 MS. KING: SAM HAWGOOD.
15 DR. HAWGOOD: NO.
16 MS. KING: BOB KLEIN.
17 CHAIRMAN KLEIN: NO.
18 MS. KING: TED LOVE.
19 DR. LOVE: YES.
20 MS. KING: PHIL PIZZO.
21 DR. PIZZO: NO.
22 MS. KING: CLAIRE POMEROY.
23 DR. POMEROY: NO.
24 MS. KING: FRANCISCO PRIETO.
25 DR. PRIETO: NO.

BARRISTERS' REPORTING SERVICE

1 MS. KING: ELIZABETH FINI.
2 DR. FINI: NO.
3 MS. KING: JEANNIE FONTANA.
4 DR. FONTANA: YES.
5 MS. KING: DUANE ROTH.
6 MR. ROTH: NO.
7 MS. KING: JOAN SAMUELSON.
8 MS. SAMUELSON: YES.
9 MS. KING: DAVID SERRANO-SEWELL.
10 MR. SERRANO-SEWELL: NO.
11 MS. KING: JEFF SHEEHY.
12 MR. SHEEHY: YES.
13 MS. KING: ART TORRES.
14 MR. TORRES: NO.
15 MS. GIBBONS: I DON'T KNOW IF IT'S
16 APPROPRIATE HERE, BUT I MISSTATED MY VOTE. I MEANT
17 TO VOTE NO.
18 MS. KING: YOU SAID YES. YOU MEANT NO.
19 MS. GIBBONS: NO.
20 MS. KING: SHE MEANT TO VOTE NO, COUNSEL.
21 MR. TORRES: ALL RIGHT. THE MOTION DOES
22 NOT CARRY. NOW WE'RE ON THE MAIN MOTION. I WILL
23 MAKE IT AGAIN, AND THAT IS TO ACCEPT THE
24 RECOMMENDATIONS ON THE CONCLUSION PAGE NO. 9, ITEMS
25 1, 2, AND 3. IS THERE A SECOND?

BARRISTERS' REPORTING SERVICE

1 MR. ROTH: I WILL SECOND.

2 MR. TORRES: THANK YOU, DR. ROTH -- MR.
3 ROTH.

4 MR. ROTH: THANKS FOR THE PROMOTION.

5 MR. TORRES: I THINK WE'VE HAD DISCUSSION.
6 IS THERE ANY PUBLIC DISCUSSION ON THE MAIN MOTION?

7 CHAIRMAN KLEIN: THERE IS A POINT.
8 LEGALLY I'VE CONFERRED WITH COUNSEL, AND I THINK IT
9 IS IMPORTANT THAT WE CHANGE THIS LANGUAGE. COUNSEL.

10 MR. HARRISON: WITH RESPECT TO THE FIRST
11 RECOMMENDATION OF THE LEGISLATIVE SUBCOMMITTEE, THE
12 LANGUAGE WOULD READ: OPPOSE LEGIS- -- LITTLE HOOVER
13 COMMISSION RECOMMENDATIONS 1 THROUGH 5 BASED ON
14 COUNSEL'S ADVICE THAT THE PROPOSED AMENDMENTS TO
15 PROP 71 WOULD VIOLATE THE CALIFORNIA CONSTITUTION
16 AND PROP 71 AND WOULD FAIL TO RESPECT, AS THE
17 CALIFORNIA COURTS HAVE RECOGNIZED, THE PRECIOUS
18 RIGHT OF THE 7 MILLION VOTERS WHO APPROVED PROP 71.

19 CHAIRMAN KLEIN: THE IMPORTANCE IS THAT
20 OUR PRIOR LANGUAGE, IF WE SAID BECAUSE IT WOULD NOT
21 BE CONSTITUTIONAL IF APPROVED BY THE LEGISLATURE,
22 THE LEGISLATURE CAN ACTUALLY APPROVE IT IN AN ACTION
23 THAT PUTS IT ON THE BALLOT. SO THIS LANGUAGE IS
24 MORE LEGALLY CORRECT.

25 MR. TORRES: ALL RIGHT. IS THERE A

BARRISTERS' REPORTING SERVICE

1 COMMENT ON THE FINAL AMENDED MOTION, WHICH I ACCEPT
2 AS A FRIENDLY AMENDMENT BY MR. KLEIN VIA MR.
3 HARRISON? MR. SEWELL.

4 MR. SERRANO-SEWELL: I THINK I WANT TO SAY
5 THIS RIGHT. PER THE LAST MOTION, I WOULD ENCOURAGE
6 THE YESES TO VOTE YES ON THIS MOTION BECAUSE OF
7 SOMETHING THAT VICE CHAIRMAN TORRES SAID EARLIER,
8 THAT IT IS IMPORTANT THAT WE SEND HIM WITH A UNIFIED
9 POSITION, A UNIFIED MESSAGE. I THINK THAT WILL BE
10 RECEIVED VERY WELL WITH THE STAKEHOLDERS IN
11 SACRAMENTO. ANYTHING SORT OF LESS AND ON THE
12 MARGINS JUST SIMPLY WON'T DO IN THIS CASE. AND I
13 KNOW SOMETIMES YOU'RE NOT -- YOU DON'T GET ALL OF
14 YOU WANT, BUT THIS IS ONE OF THOSE SITUATIONS WHERE
15 THE GREATER GOOD, IN MY VIEW, DICTATES A YES VOTE.

16 MR. TORRES: ANY FURTHER COMMENTS? ALL
17 RIGHT. PUBLIC COMMENTS I THINK I ASKED. CALL THE
18 ROLL.

19 MS. KING: ON THIS MOTION, YOU CAN DO A
20 VOICE VOTE.

21 MR. TORRES: ALL IN FAVOR SIGNIFY BY
22 SAYING AYE. ALL THOSE OPPOSED? ALL THOSE
23 ABSTAINED? ALL RIGHT. THE MOTION CARRIES
24 UNANIMOUSLY.

25 CHAIRMAN KLEIN: THANK YOU.

BARRISTERS' REPORTING SERVICE

1 MR. TORRES: NOW WE'LL MOVE ON TO A QUICK
2 REVIEW BY MR. ROTH.

3 CHAIRMAN KLEIN: I'D LIKE TO AT THIS
4 MOMENT HAVE A ROUND OF APPLAUSE FOR OUR ACTING
5 CHAIR.

6 (APPLAUSE.)

7 MR. TORRES: THANK YOU VERY MUCH. I'D
8 PREFER A SALARY INCREASE, BUT OTHER THAN THAT.
9 THANK YOU, MR. KLEIN. AND ALSO THIS WAS A TEAM
10 EFFORT, SO LET'S BE VERY CLEAR ABOUT THAT FROM THE
11 PRESIDENT'S OFFICE, FROM OUR OFFICES, FROM OUR
12 COUNSEL. IT WAS A TEAM FROM OUR SCIENTISTS. IT WAS
13 A TEAM EFFORT AND I'M VERY, VERY GRATEFUL FOR ALL
14 YOUR HELP AND CERTAINLY THE BOARD'S HELP NOW. IT
15 MAKES MY JOB EASIER IN TAKING THIS TO THE
16 LEGISLATURE.

17 I'D LIKE TO INTRODUCE MR. ROTH NOW FOR A
18 QUICK COMMENT ON THE BIOSIMILAR LEGISLATION. BEFORE
19 I DO THAT, I WANT TO THANK HIM FOR MAKING A TRIP TO
20 WASHINGTON TO MEETING WITH STAFF AND MEMBERS OF THE
21 CONGRESS TO EDUCATE THEM OF WHAT OUR POSITION WAS IN
22 A VERY POSITIVE AND REINFORCING WAY.

23 I ALSO WANT TO PUT IN THE RECORD MY
24 GRATITUDE TO SENATOR FEINSTEIN FOR SUPPORTING OUR
25 POSITION IN A LETTER SHE SENT ON JULY 14TH TO

BARRISTERS' REPORTING SERVICE

1 SENATORS KENNEDY AND SENATOR DODD. AND I JUST WANT
2 TO NOW THANK YOU AGAIN, DUANE, FOR THE WORK YOU DID
3 ON THIS LEGISLATION. IT CONTINUES TO BE OUT THERE.
4 AND GIVE US AN UPDATE.

5 MR. ROTH: THANK YOU VERY MUCH.

6 MS. KING: EXCUSE ME, MR. ROTH. BEFORE
7 YOU BEGIN, IF I COULD JUST MAKE A COMMENT. FIRST OF
8 ALL, I JUST WANTED TO REMIND SENATOR TORRES THAT
9 WE'VE DONE ITEM 7 A, BUT WE STILL HAVE ITEM 7 B.
10 AND THEN ON TOP OF THAT, THE ITEM THAT MR. ROTH IS
11 ADDRESSING IS ACTUALLY ITEM NO. 21 FOR THE RECORD.

12 MR. TORRES: WITHOUT OBJECTION, IF WE CAN
13 MOVE VERY QUICKLY TO ITEM 21 BEFORE WE MOVE TO ITEM
14 7 B.

15 MR. ROTH: SO ON THIS ITEM WE'VE DISCUSSED
16 IT AT A NUMBER OF MEETINGS, WE TOOK SEVERAL VOTES ON
17 IT. AND I WILL TELL YOU THAT I THINK THE CONCLUSION
18 WE REACHED WAS ONE THAT MANY PEOPLE HADN'T THOUGHT
19 ABOUT WHEN THEY WERE TALKING ABOUT BIOSIMILARS, THE
20 IMPACT IT WOULD HAVE ON BRAND-NEW TECHNOLOGIES AND
21 THE TIME IT WOULD TAKE. I ONLY POINT YOU TO THE
22 NEWS YESTERDAY OR TODAY THAT GERON WAS DELAYED ONCE
23 AGAIN IN STARTING THEIR CLINICAL TRIAL BECAUSE
24 QUESTIONS ARISE AND THEY HAVE TO BE ADDRESSED AND
25 ANSWERED. AND THAT'S ALWAYS WHAT HAPPENS TO THE

BARRISTERS' REPORTING SERVICE

1 INNOVATOR, THE FIRST ONE THROUGH.

2 SO I THANK YOU FOR THAT POSITION. ART
3 MENTIONED THE LETTER. THAT LETTER WAS WIDELY
4 CIRCULATED IN CONGRESS. I CAN TELL YOU IT WENT WELL
5 BEYOND OUR DELEGATION, AND IT WAS THE PIVOTAL LETTER
6 THAT WENT TO THE SENATE COMMITTEE BEFORE THE VOTE
7 THAT RESULTED -- FROM SENATOR FEINSTEIN THAT
8 RESULTED, I THINK, IN TURNING THE TIDE.

9 I THINK WE SHOULD BE VERY PROUD OF THAT.
10 WE HAD A VERY, VERY LARGE IMPACT HERE. AND I THINK
11 IT WILL BENEFIT PATIENTS BECAUSE INVESTORS WILL BE
12 MORE LIKELY TO ENTER IN AND INVEST IN THESE
13 LONG-TERM THERAPIES THAT WE CLEARLY CARE SO MUCH
14 ABOUT. SO THANK YOU FOR ALL THAT. THE VOTES WERE
15 NOT EVEN CLOSE IN EITHER THE SENATE COMMITTEE OR THE
16 HOUSE COMMITTEE. THEY WERE SO OVERWHELMINGLY IN
17 FAVOR OF 12-YEAR DATA EXCLUSIVITY. SO THANK YOU.

18 MR. TORRES: THANK YOU VERY MUCH, MR.
19 ROTH. ANY COMMENTS OR QUESTIONS? THERE BEING NONE,
20 WE'LL MOVE TO ITEM 7 B. MR. SHEEHY IS THE MAIN
21 PRESENTER OF THAT MOTION ON THE PUBLIC HEALTH
22 OPTION. I BELIEVE THAT THAT IS BETWEEN -- IF I CAN
23 TAKE AN INFORMAL, IF I MAY, AN INFORMAL CALL. IF WE
24 CAN TAKE THIS UP BEFORE DINNER, IT WOULD BE GREAT.
25 IF YOU WANT TO WAIT TILL AFTER DINNER. I THINK

BARRISTERS' REPORTING SERVICE

1 MR. SHEEHY WANTED TO MAKE SURE THAT THE BOARD WAS
2 WILLING TO TAKE THIS ISSUE UP NOW.

3 MS. KING: WE HAVE A MEMBER OF THE BOARD
4 THAT NEEDED TO STEP OUT. WITHOUT THAT MEMBER, WE
5 ACTUALLY DON'T HAVE A QUORUM, SO I'M GOING TO
6 RECOMMEND THAT WE ACTUALLY TAKE THE DINNER BREAK
7 BEFORE WE GET TO ITEM 7 B. WE CAN'T TAKE THE VOTE
8 WITHOUT THAT MEMBER ANYWAY, AND THAT MEMBER NEEDS A
9 BREAK.

10 MR. TORRES: WELL, THE DISCUSSION CAN TAKE
11 PLACE, BUT NOT A VOTE.

12 MS. KING: THAT'S CORRECT.

13 CHAIRMAN KLEIN: THIS IS A QUESTION THAT
14 JOAN COULD PARTICIPATE FULLY IN THE DISCUSSION IF WE
15 WERE TO TAKE A BREAK FOR DINNER.

16 MR. SHEEHY: I THINK THIS IS PRETTY
17 STRAIGHTFORWARD. IT'S A PUBLIC HEALTH INSURANCE
18 OPTION. I DON'T THINK THAT THERE'S -- I CAN TALK
19 ABOUT IT BRIEFLY, BUT I DON'T THINK WE CAN COME BACK
20 AFTER DINNER. I DON'T THINK WE SHOULD SPEND A LOT
21 OF TIME ON IT. I REALLY THINK THAT GIVEN THE
22 DISCUSSION WE'VE HAD ABOUT ACCESS AND HOW THIS HAS
23 INFLUENCED OUR MISSION, THAT THIS HAS BEEN AN
24 ELEMENT IN OUR IP REGS THAT CONTINUES TO BEDEVIL US,
25 THAT THE PUBLIC INSURANCE OPTION, RECOMMENDING THAT

BARRISTERS' REPORTING SERVICE

1 THAT BE INCLUDED AS PART OF THE HEALTH REFORM CARE
2 ACT.

3 I DON'T KNOW IF IT'S REALLY USEFUL FOR US
4 TO DEBATE THIS FOR A VERY LONG TIME, AND MAYBE WE
5 CAN JUST VOTE OUR CONSCIENCES FAIRLY QUICKLY IF WE
6 DO THAT AFTER DINNER SO THAT JOAN CAN PARTICIPATE,
7 BUT I DON'T THINK IT WOULD USEFUL UNLESS ANYONE
8 REALLY THINKS WE NEED TO DEBATE THE RELATIVE MERITS.

9 I THINK -- I KNOW I'VE BEEN FOLLOWING THIS
10 WHOLE THING VERY CLOSELY, AND I HOPE EVERYONE ELSE
11 HAS, THE WHOLE HEALTHCARE REFORM EFFORT BY THE
12 PRESIDENT. FOR ME PERSONALLY IT WOULD BE IMPORTANT
13 TO BE ON RECORD FOR THIS AS PERHAPS THE ONLY MEMBER
14 OF THIS BODY THAT EVER PRESENTED WITH A LIFE
15 THREATENING ILLNESS WITHOUT INSURANCE AND HAVING HAD
16 TO NEGOTIATE THAT MORASS. I'M VERY SYMPATHETIC TO
17 FOLKS WHO DON'T HAVE INSURANCE IN THIS COUNTRY OR
18 HAVE BEEN CUT OFF FROM INSURANCE OR HAVE REACHED
19 LIFETIME CAPS, ETC., ETC. SO I'LL LEAVE IT TO THE
20 PLEASURE OF THE CHAIR WHETHER WE DO IT NOW OR AFTER.

21 MR. TORRES: I THINK WE SHOULD DO IT AFTER
22 DINNER AND HAVE A CHANCE TO CHEW ON THOSE WORDS.
23 HOW'S THAT? ALL RIGHT. THANK YOU, MR. CHAIRMAN.

24 CHAIRMAN KLEIN: WE ARE GOING TO ADJOURN
25 FOR DINNER. LET'S SAY THIS IS 40 MINUTES

BARRISTERS' REPORTING SERVICE

1 APPROXIMATELY. IT'S DOWNSTAIRS. AND IT IS, IF YOU
2 GO TO THE BOTTOM OF THE STAIRS AND STRAIGHT TO THE
3 OTHER SIDE OF THE LOBBY, THERE WILL BE STAFF THERE
4 TO DIRECT THE BOARD MEMBERS. SO THE VICE CHAIRS,
5 THE VICE CHAIR'S RECOMMENDATION IS WE BE BACK HERE
6 AT APPROXIMATELY 8:20.

7 AND LET ME ASK. WE ARE NOT CONDUCTING AN
8 EXECUTIVE SESSION DURING THIS DINNER.

9 MS. KING: NO.

10 CHAIRMAN KLEIN: SO WE SHOULD BE ABLE TO
11 HOLD TO OUR TIME PERIOD WITHIN FIVE OR TEN MINUTES.
12 THANK YOU. WE STAND ADJOURNED FOR THIS BREAK.

13 (A RECESS WAS TAKEN.)

14 CHAIRMAN KLEIN: WE ARE GOING TO
15 RECONVENE. AND THE HONORABLE ACTING CHAIR OF THE
16 LEGISLATIVE COMMITTEE, OUR ESTEEMED LEADER, WILL
17 LEAD US THROUGH SUBPART B.

18 MR. TORRES: MR. SHEEHY, ARE YOU HERE?

19 CHAIRMAN KLEIN: WHAT'S OUR STATUS,
20 MELISSA, ON A QUORUM IF JOAN IS --

21 MS. KING: WE WILL NOT HAVE A QUORUM
22 UNLESS DR. QUINT HAS ARRIVED, AND I HAVE NOT SEEN
23 HIM YET.

24 CHAIRMAN KLEIN: DR. QUINT WAS ARRIVING.
25 HAS HE ARRIVED YET?

BARRISTERS' REPORTING SERVICE

1 MS. KING: I SPOKE TO HIM EARLIER. I
2 STILL HAVE NOT SEEN HIM. SO IF WE DON'T HAVE JOAN,
3 WE DON'T HAVE A QUORUM.

4 CHAIRMAN KLEIN: COULD WE HAVE -- LYNN,
5 COULD YOU HELP MELISSA. LYNN HARWELL, IF YOU COULD
6 TRY AND CONTACT DR. QUINT AND SEE IF HE IS, IN FACT,
7 AVAILABLE. WHAT WE'RE GOING TO DO WITH YOUR
8 PERMISSION --

9 MR. TORRES: I KNOW WHAT I'D LIKE TO DO.
10 WHY DON'T WE JUST PUT OFF THIS ITEM TILL TOMORROW TO
11 SEE WHETHER WE HAVE A QUORUM AT THAT POINT?

12 CHAIRMAN KLEIN: WHAT WE COULD DO
13 POTENTIALLY IS HAVE THE DISCUSSION, LEAVE THE ROLL
14 OPEN.

15 MS. KING: TAKE THE VOTE TOMORROW.

16 CHAIRMAN KLEIN: WE DO HAVE SOME MEMBERS
17 WE NEED FOR THIS. ALL RIGHT. WHILE WE'RE WAITING
18 FOR SOME MEMBERS TO RETURN, COULD WE HAVE AN UPDATE
19 ON THE MAJOR FACILITIES PROJECTS, PLEASE? THIS IS
20 ITEM NO. 20. AND WHILE WE ARE WAITING FOR MEMBERS
21 TO RETURN, WE'RE GOING TO PROCEED ON ITEM NO. 20.
22 DR. ROBSON.

23 DR. ROBSON: SO IN YOUR BINDER YOU SHOULD
24 HAVE A REPORT WHICH IS A SUMMARY OF THE STATUS OF
25 THE VARIOUS 12 MAJOR FACILITIES PROJECTS. FIRST

BARRISTERS' REPORTING SERVICE

1 SLIDE THERE. JUST TO REMIND YOU A LITTLE BIT ABOUT
2 THAT PROGRAM. CIRM HAS INVESTED 270 MILLION IN
3 THOSE 12 FACILITIES. THAT MONEY HAS BEEN LEVERAGED
4 UP THROUGH DONATIONS, OTHER CONTRIBUTIONS TO THE
5 FACILITIES, AND PROMISED RECRUITMENTS UP TO ABOUT
6 1.1 BILLION. EIGHT OF THOSE PROJECTS ARE REALLY
7 RUNNING PRETTY MUCH ON SCHEDULE, MAYBE WITH A FEW
8 MINOR DELAYS THAT ARE TYPICAL WITH PROJECTS OF THIS
9 SORT OF SCALE. BUT THE ECONOMIC SITUATION OVER THE
10 PAST SEVERAL MONTHS HAS CAUSED SOME PROBLEMS FOR
11 THREE OF THE PROJECTS, SOME DELAYS AT UC SANTA CRUZ,
12 BUCK INSTITUTE, AND THE SANFORD CONSORTIUM IN SAN
13 DIEGO.

14 AND THERE WAS ALSO SOME PROJECT REVISIONS
15 AT UC MERCED. IF YOU RECALL, THEIR PROJECT WAS
16 GOING TO BE OFF CAMPUS. THE SITE WAS OFF CAMPUS IN
17 SOME RENTED SPACE. THERE WAS SOME DIFFICULTIES
18 THERE, AND SO THEY'VE HAD SOME DELAYS. I DON'T
19 REALLY WANT TO FOCUS, THIS IS JUST A BRIEF UPDATE ON
20 THIS. I WON'T TALK ABOUT EIGHT THAT ARE DOING WELL.
21 YOU CAN READ ABOUT THAT IN THE REPORT. BUT I WOULD
22 LIKE TO JUST GIVE YOU A LITTLE BIT OF INFORMATION
23 ABOUT THE OTHER FOUR.

24 UC SANTA CRUZ WAS HELD UP BECAUSE WHEN
25 THERE WAS A FREEZE ON STATE FUNDS IN THE LOAN FUND,

BARRISTERS' REPORTING SERVICE

1 THEIR PROJECT GOT STOPPED. THEY HAD MOVED ALONG AND
2 WENT OUT AND CONTINUED TO DO WHAT THEY COULD TO
3 PREPARE FOR THE PROJECT, BUT THE FUNDING, THE STATE
4 CONTRIBUTIONS TO THOSE FUNDS, WERE HELD UP. THAT
5 CHANGED JUST A FEW WEEKS AGO WHEN THERE WAS A
6 PRIVATE BOND SALE AND THERE WAS MONEY RELEASED FOR
7 THAT PROJECT TO SANTA CRUZ. SO THE THING IS NOW
8 BACK ON GO. AND THEY ANTICIPATE OCCUPANCY IN APRIL
9 OF 2011. SO THAT PROJECT IS -- THAT'S A VERY GOOD
10 NEWS STORY WE HEARD JUST A COUPLE OF WEEKS AGO.

11 CHAIRMAN KLEIN: THEY PERFORMED ON ALL
12 THEIR OBLIGATIONS WITH US. THE STATE, IN FACT, WAS
13 NOT ABLE TO PERFORM ON TIME FOR UC SANTA CRUZ. SO
14 THIS DELAY WAS OUTSIDE THEIR CONTROL.

15 DR. ROBSON: RIGHT. UC MERCED, THE
16 INITIAL PROPOSAL, AS I SAID, WAS FOR IMPROVEMENTS ON
17 LEASED FACILITIES. THERE WAS SOME DIFFICULTIES WITH
18 THE LEASE. AND ALSO WHEN THEY HAD REALLY
19 UNDERESTIMATED THE COST OF THE RENOVATIONS OUT
20 THERE, THEY THEN CAME BACK TO WITH US A REVISED
21 PROPOSAL. I THINK WE MAY HAVE DISCUSSED THIS WITH
22 YOU BEFORE IN WHICH THEY WERE GOING TO RENOVATE
23 SPACE WITHIN THEIR BASIC -- THEIR MAIN SCIENCE
24 BUILDING AND HOUSE THE STEM CELL FACILITY THERE,
25 THIS FOUNDRY THAT THEY'RE TALKING ABOUT.

BARRISTERS' REPORTING SERVICE

1 SO THEY MADE A PROPOSAL TO US AND WE DID A
2 SITE VISIT THERE. THE NEW PROPOSAL IS ACTUALLY
3 UNDER BUDGET OR CERTAINLY WITHIN BUDGET. AND AT OUR
4 SITE VISIT, WE ALL DETERMINED THAT IT WAS REALLY AN
5 IMPROVEMENT, A FUNCTIONAL IMPROVEMENT. IT WOULD
6 BRING THE FACILITY ON CAMPUS, ACCESS FOR FACULTY
7 MEMBERS AND STUDENTS WOULD BE IMPROVED. IT WOULD BE
8 RIGHT IN THE HEART OF THEIR FACILITY. SO IT REALLY
9 LOOKED LIKE A BETTER PROPOSAL THAN THE ORIGINAL ONE
10 THEY HAD SUBMITTED THAT HAD BEEN APPROVED.

11 WE TOOK THAT PLAN TO THE FACILITIES
12 WORKING GROUP AND DISCUSSED IT IN SOME DETAIL. THEY
13 ALSO APPROVED IT. AND PRESIDENT TROUNSON, WHICH IS
14 HIS AUTHORITY, WE AUTHORIZED THE CHANGE. THAT
15 PROJECT IS NOW, THE CONSTRUCTION HAS BEGUN OR THE
16 RENOVATIONS HAVE BEGUN.

17 CHAIRMAN KLEIN: LET ME ASK THIS JUST AS A
18 CLARIFICATION. I BELIEVE YOU CONFERRED WITH THE
19 CO-CHAIRS OF THE FACILITIES WORKING GROUP AS VERSUS
20 THE ENTIRE FACILITIES WORKING GROUP.

21 DR. ROBSON: NO. WE HAD A MEETING ABOUT
22 IT.

23 CHAIRMAN KLEIN: OH, YOU DID. FINE.

24 DR. ROBSON: THE SANFORD CONSORTIUM, THIS
25 ONE HAS BEEN A BIT MORE COMPLICATED AND IT'S STILL

BARRISTERS' REPORTING SERVICE

1 ONGOING. AS YOU RECALL, WE, CIRM, COMMITTED \$43
2 MILLION TO THAT. THAT'S A CONSORTIUM OF UCSD, THE
3 BURNHAM, SALK, AND THE SCRIPPS TO BUILD A STEM CELL
4 FACILITY. THEY ALSO RECEIVED A \$30 MILLION GIFT
5 FROM MR. SANFORD AND A NAMING OPPORTUNITY THERE.
6 AND THE WHOLE PROJECT STILL REQUIRED ABOUT ANOTHER
7 \$40 MILLION. THEY WERE HAVING, BECAUSE OF THE
8 ECONOMIC SITUATION, THEY WERE HAVING SOME DIFFICULTY
9 GETTING, SECURING THOSE ADDITIONAL FUNDS.

10 THE GOVERNOR FOUND OUT ABOUT THIS. THE
11 GOVERNOR IS VERY INTERESTED IN HAVING THIS PROJECT
12 GO FORWARD. IT'S A BIG JOBS OPPORTUNITY FOR THAT
13 AREA. IT'S A BIG CONSTRUCTION PROJECT. AND SO
14 WORKING WITH THE TREASURER'S OFFICE, THE GOVERNOR
15 MADE \$43 MILLION AVAILABLE TO US BY ADDING FUNDS TO
16 THE PMI, TO THE ACCOUNT IN THE LOAN FUND.

17 THE CONSORTIUM WAS STILL HAVING DIFFICULTY
18 SECURING THEIR FUNDS BECAUSE THE BANKS WERE
19 CONCERNED ABOUT WHETHER OR NOT THAT MONEY WOULD
20 REMAIN AVAILABLE. SO THE MONEY HAS BEEN PUT INTO AN
21 ESCROW ACCOUNT TO MAKE IT SECURE AND AVAILABLE TO
22 THE UNIVERSITY, AND THE BANKS KNOW THAT IT'S THERE.

23 AT THIS POINT SANFORD STILL IS ABOUT \$40
24 MILLION SHORT, BUT THEY HAVE A PLAN IN THE SUMMER OF
25 2010 TO DO PRIVATE PLACEMENT BONDS. NOW, THEIR PLAN

BARRISTERS' REPORTING SERVICE

1 IS FOR THIS TO BE SECURED THROUGH THE UC SYSTEM,
2 THAT IT WOULD BE GUARANTEED THAT IF THE BOND SALE
3 FELL SHORT, THAT THE UC SYSTEM -- UC WILL MAKE UP
4 THE DIFFERENCE. THAT HAS NOT BEEN APPROVED YET, BUT
5 THAT'S THE PLAN, AND IT HAS TO BE APPROVED BY THE
6 BOARD OF REGENTS.

7 NOW, IN ORDER TO GET THE PROJECT GOING AND
8 NOT WAIT UNTIL THEY EITHER DO THE BOND SALE OR GET
9 APPROVAL -- WELL, THEY STILL NEED APPROVAL FROM THE
10 REGENTS, BUT TO DO THE BOND SALE NEXT SUMMER, THEY
11 HAVE REQUESTED ACCESS TO THE FUNDS THAT ARE IN
12 ESCROW AND ESSENTIALLY TO BORROW SOME OF THAT MONEY
13 IN ADVANCE. IT WOULD NOT BE PAID OR CREDITED TO
14 THEM UNTIL THEY MET THE REQUIREMENTS OF THE NGA AND
15 THE MAJOR FACILITIES GAP, BUT IT WOULD ALLOW THEM TO
16 BORROW SOME OF THE MONEY SO THE PROJECT CAN GET
17 STARTED. THEY WOULD PAY US INTEREST ON THAT MONEY
18 UNTIL IT WAS SECURED THROUGH THE NORMAL LAST-IN
19 PAYMENTS THAT THEY'RE REQUIRED TO DO ACCORDING TO
20 THE NGA. THE NGA HAS BEEN FINALIZED WITH THEM.
21 MONEY IS IN ESCROW.

22 WE ARE -- IN CONCEPT, WE ARE IN FAVOR OF
23 THIS PLAN, BUT WE STILL NEED ASSURANCES THROUGH UC,
24 AND SO THAT IS STILL WORKING ALONG. WE'RE STILL IN
25 NEGOTIATIONS WITH THAT ONE.

BARRISTERS' REPORTING SERVICE

1 CHAIRMAN KLEIN: TO BE CLEAR, THE
2 ASSURANCES THROUGH UC WOULD EITHER ASSURE US THAT
3 THE FUNDS WOULD BE THERE TO COMPLETE OR THAT WE
4 WOULD GET PAID BACK.

5 DR. ROBSON: YES. WE'LL GET PAID BACK,
6 CORRECT.

7 THE LAST PROJECT I WANTED TO MENTION WAS
8 THE BUCK INSTITUTE. THEIR SITUATION IS SOMEWHAT
9 SIMILAR TO THE ONE IN SAN DIEGO IS THAT WE'VE
10 AUTHORIZED \$20.5 MILLION FOR THAT PROJECT. THAT
11 MONEY HAS COME THROUGH A BUILD AMERICA BOND SALE,
12 WHICH WAS PART OF THE BOND SALE WE DID IN APRIL, THE
13 \$505 MILLION THAT WERE RAISED. SO THE MONEY IS
14 SECURE THERE FOR THEM. THEY'VE HAD SOME DIFFICULTY
15 BECAUSE OF, AGAIN, BECAUSE OF THE ECONOMIC SITUATION
16 RAISING THE MATCHING FUNDS THAT THEY NEED. THEY
17 HAVE APPLIED TO THE GOVERNMENT FOR STIMULUS MONEY
18 THROUGH SOME OF THESE PROGRAMS. IT'S BEEN
19 RECOGNIZED BY THE BAY AREA AS AN IMPORTANT PROJECT
20 FOR THAT REGION. AND WE ARE RIGHT NOW TRYING TO
21 FINALIZE AN NGA, AND WE WOULD ANTICIPATE SETTING UP
22 AN ESCROW ACCOUNT FOR THEM, A MODEL SIMILAR TO WHAT
23 WE DID FOR UC SAN DIEGO.

24 CHAIRMAN KLEIN: AND TO MAKE THIS CLEAR,
25 WE'VE REPORTED ON THIS PREVIOUSLY. THIS IS A

BARRISTERS' REPORTING SERVICE

1 SITUATION WHERE IN THE FINANCIAL CRISIS, THE
2 FINANCIAL INSTITUTION THAT WAS THEIR BANKER LOST THE
3 CAPACITY TO PERFORM. SO THIS IS, AGAIN, A SITUATION
4 THAT'S OUTSIDE THEIR CONTROL.

5 DR. ROBSON: SO JUST A FINAL, THIS IS JUST
6 A SUMMARY OF SORT WHERE WE ARE IN OUR FINANCES FOR
7 THE MAJOR FACILITIES. WE'VE RAISED FUNDS THROUGH
8 THE BUILD AMERICA BOND SALE AND ALSO WE'VE GOTTEN
9 FUNDS DIRECTLY FROM THE GOVERNMENT TO PUT INTO THE
10 PMIA ACCOUNT FOR THE SANFORD PROJECT. THE POINT OF
11 THIS SLIDE IS THAT I REALLY WANT TO MAKE A PUBLIC
12 STATEMENT ABOUT IS WE HAVE ALL THE FUNDS THAT ARE
13 NEEDED, AT LEAST CIRM'S COMPONENT OF ALL FUNDS
14 NEEDED FOR THESE MAJOR FACILITIES PROGRAMS, THOSE
15 FUNDS ARE INTACT, THEY'RE SECURE. THEY'RE EITHER IN
16 ESCROW ACCOUNTS IN THE CASE OF SAN DIEGO OR THEY ARE
17 EARMARKED FOR THOSE PROGRAMS AND THEY'RE IN OUR BOND
18 FUND.

19 SO THAT'S THE UPDATE. WE'LL TRY TO BRING
20 BACK SOME MORE DETAILS ON THIS MAYBE IN ABOUT SIX
21 MONTHS, EARLY NEXT YEAR, AND WE'LL HAVE SOME MORE
22 THINGS FINALIZED. SO ANY QUESTIONS?

23 CHAIRMAN KLEIN: OKAY. SO THANK YOU VERY
24 MUCH FOR THAT REPORT. CONSIDER THE OPTIONS FOR THE
25 BOARD HERE. WE HAVE A QUORUM, BUT ONE OF OUR

BARRISTERS' REPORTING SERVICE

1 MEMBERS IS CURRENTLY UNABLE TO BE IN THE ROOM. WE
2 PREVIOUSLY BASED THIS SITUATION BY PROCEEDING WITH
3 THE DISCUSSION AND THEN LEAVING THE ROLL OPEN IN
4 THAT SITUATION UNTIL THAT PERSON WAS ABLE TO RETURN.
5 IF, IN FACT, BASED UPON JOAN'S HEALTH, SHE'S NOT
6 ABLE TO RETURN TONIGHT, WE CONTINUE TO BE OPEN TILL
7 TOMORROW MORNING. WE CAN IN THE ALTERNATIVE GO
8 THROUGH ONLY INFORMATIONAL ITEMS AND ADJOURN FOR THE
9 EVENING. WHAT IS THE PLEASURE OF THE BOARD?
10 PLEASURE OF THE BOARD? INDIVIDUALS, DR. PRIETO.

11 DR. PRIETO: I THINK THE INFORMATIONAL
12 ITEMS.

13 CHAIRMAN KLEIN: OKAY. SO IF WE GO TO --
14 I THINK THE CALL-OUT IS FOR ITEM NO. 19 IF WE COULD
15 PROCEED TO THAT ITEM.

16 DR. ROBSON: OKAY. SHIFTING GEARS HERE.
17 I WANTED TO GIVE YOU AN UPDATE ON THE LOAN PROGRAM
18 THAT WE HAVE BEEN WORKING ON. AGAIN, RECALL THAT WE
19 HAVE TARGETED APPROXIMATELY \$500 MILLION TOWARDS
20 LOANS TO FOR-PROFIT COMPANIES IN ADDITION TO THE
21 GRANT PROGRAMS THAT WE HAVE. OVER THE PAST YEAR
22 THERE WAS A LOAN TASK FORCE THAT DEVELOPED THE
23 PARAMETERS FOR THIS PROGRAM. AND AS PART OF THAT,
24 BECAUSE THE CIRM DOES NOT HAVE REALLY THE CAPACITY
25 TO MANAGE, EITHER DO THE DUE DILIGENCE OR MANAGE

BARRISTERS' REPORTING SERVICE

1 THIS PROGRAM IN-HOUSE WITH OUR STAFF, WE DON'T HAVE
2 THE EXPERTISE OR THE CAPACITY TO DO THIS, IT WAS
3 AGREED THAT WE WOULD HIRE SOME DELEGATED
4 UNDERWRITERS TO HELP MANAGE THE PROGRAM.

5 AN RFP WAS WRITTEN AND SUBMITTED AT THE
6 END OF MAY. AND IF I COULD HAVE THE NEXT SLIDE, WE
7 GOT BACK FROM THAT, WE HAD FIVE BANKS THAT
8 RESPONDED. THERE WERE TWO DIFFERENT MODELS THAT
9 WERE PRESENTED TO US THROUGH THESE BANKS. ONE WAS A
10 LOAN ORIGINATION MODEL IN WHICH THE BANK WOULD
11 PROVIDE THE LOAN AND THEN THEY WOULD EARN THEIR FEE
12 BY PUTTING A SPREAD ON THE INTEREST RATE SO THAT
13 THEY WOULD GET PART OF THE INTEREST WHEN IT WAS
14 RETURNED. THAT WAS ONE MODEL WE SAW.

15 THE OTHER MODEL WAS A FEE FOR SERVICE,
16 WHICH WAS THE VARIOUS COMPONENTS OF THE SCOPE OF
17 WORK THAT WE HAD IDENTIFIED. THEY WOULD CHARGE US
18 FOR THOSE INDIVIDUAL THINGS, BUT THEY WOULDN'T ADD
19 ANYTHING TO THE INTEREST RATE. SO THOSE ARE THE TWO
20 MODELS WE SAW.

21 CHAIRMAN KLEIN: AND, DR. ROBSON, I'LL
22 POINT OUT THAT THOSE LENDERS WHO YOU'RE
23 CHARACTERIZING AS FEE FOR SERVICE ALSO SEE
24 THEMSELVES AS LOAN ORIGINATOR SERVICERS. IT'S JUST
25 THAT INSTEAD OF GETTING INTEREST RATE SPREAD,

BARRISTERS' REPORTING SERVICE

1 THEY'RE GETTING A FEE FOR THE ORIGINATION SERVICE.
2 IN THEIR CONTRACT PROPOSALS, THEY'VE ASKED THAT WE
3 REFER TO THEM AS ORIGINATOR SERVICERS BECAUSE THAT
4 IS THEIR CHARTER SCOPE OF THEIR ACTIVITIES.

5 DR. PRIETO: IS THERE A SIGNIFICANT
6 DIFFERENCE IN THE COST TO US OF THESE TWO
7 APPROACHES?

8 DR. ROBSON: THERE WAS A SIGNIFICANT
9 DIFFERENCE, AND THAT WAS PART OF THE ANALYSIS. WE
10 DID -- SO I'LL COME TO THAT, IF THAT'S OKAY. WE DID
11 AN ANALYSIS OF THE FIVE RESPONSES TO THE RFP THAT
12 WAS DONE BY THE STAFF. THERE WERE SEVERAL OF US WHO
13 WORKED ON THIS. WE THEN MADE A PRESENTATION TO THE
14 FINANCE SUBCOMMITTEE ON JUNE THE 30TH. THE
15 COMMITTEE THEN DELIBERATED AND MADE A DECISION AS TO
16 WHICH OF THESE WOULD BE SELECTED.

17 AND IF WE CAN HAVE THE NEXT SLIDE. THE
18 EVALUATION WAS DONE ON A SCORING BASIS, AND THE FOUR
19 CATEGORIES THAT WERE REVIEWED WERE THE
20 QUALIFICATIONS AND EXPERIENCE OF THE APPLICANT, THE
21 RESPONSIVENESS OF THE APPLICANT'S PROPOSAL TO THE
22 DETAILS OF THE RFP, THE COST, AND THE INNOVATION.
23 THAT IS, HOW CLOSELY DID THESE PROPOSALS SEEM TO FIT
24 WITH OUR MISSION.

25 THERE WAS A FAIRLY SIGNIFICANT DIFFERENCE

BARRISTERS' REPORTING SERVICE

1 IN COST. THE ONES THAT WERE THE LEAST EXPENSIVE
2 WERE THE FEE FOR SERVICE. AND IN THE END, THE
3 DECISION THAT WAS MADE BY THE FINANCE SUBCOMMITTEE
4 WAS -- PREFERRED THE FEE-FOR-SERVICE MODEL. AND
5 THERE WERE THREE BANKS THAT WERE SELECTED FOR
6 FURTHER NEGOTIATION. TWO OF THOSE HAD THE
7 FEE-FOR-SERVICE MODEL AND THE OTHER ONE HAD THE LOAN
8 ORIGINATION MODEL OR, AS BOB WOULD PREFER, THE ONE
9 WHICH WOULD CHARGE AN INTEREST SPREAD, THE LOAN
10 ORIGINATION MODEL.

11 WE HAVE PROCEEDED WITH THIS NOW. LET ME
12 JUST SAY THE REASON WE NEEDED TO HAVE -- THERE ARE
13 SEVERAL REASONS WE NEEDED TO HAVE MORE THAN ONE
14 DELEGATED UNDERWRITER TO WORK WITH. I THINK THE TWO
15 MOST IMPORTANT ARE POTENTIAL CONFLICTS OF INTEREST.
16 IF WE HAD AN APPLICANT WHO WAS A CLIENT OF THE BANK
17 OR SOMETHING, THAT COULD BECOME AN ISSUE.

18 THE OTHER THE POINT IS THAT BANKS CHANGE
19 THEIR POLICIES. BANKS HAVE HAD SOME DIFFICULTIES
20 THESE DAYS. SO WE FELT THAT FOR OUR OWN SECURITY,
21 WE NEEDED TO HAVE MORE THAN ONE BANK TO WORK WITH.
22 SO WE HAVE THREE THAT WE'VE STARTED NEGOTIATIONS
23 WITH.

24 JUST TO GIVE YOU A SORT OF WHERE WE ARE.
25 WE'RE REALLY ONLY WORKING NOW WITH THE TWO PREFERRED

BARRISTERS' REPORTING SERVICE

1 BECAUSE THEY WERE THE PREFERRED MODEL, THE
2 FEE-FOR-SERVICE MODEL. SO WE'VE BEEN TALKING WITH
3 COMERICA BANK AND SQUARE ONE BANK. SILICON VALLEY
4 BANK IS THE THIRD. THEY WERE THE ONES WHO HAD THE
5 LOAN ORIGINATION MODEL WHERE THEY WOULD CHARGE A
6 SPREAD ON THE INTEREST. THOSE NEGOTIATIONS WILL
7 FOLLOW ONCE WE'VE GOT SOMETHING IN PLACE WITH
8 COMERICA AND SQUARE ONE. WE'RE WORKING WITH A
9 PRETTY TIGHT TIMELINE. WE HAD ACTUALLY HOPED WE
10 WOULD HAVE A CONTRACT BY NOW, BUT WE DON'T. BUT
11 WE'RE MOVING FORWARD WITH BOTH OF THESE, AND WE HOPE
12 TO HAVE SOMETHING SOON. THEY KNOW THAT THE TIMELINE
13 IS TIGHT. AND I THINK WE'RE MAKING VERY GOOD
14 PROGRESS HERE. IT'S JUST TAKEN A LITTLE BIT LONGER
15 THAN WE WOULD HAVE LIKED.

16 I SHOULD SAY THAT IN THIS FIRST ROUND,
17 WHAT WE REALLY NEED TO SET UP IS FOR THE DISEASE
18 TEAMS BECAUSE WE HAVE APPLICATIONS THERE FOR PEOPLE
19 WHO HAVE APPLIED FOR LOANS. SO WE ANTICIPATE THAT
20 WE MAY ACTUALLY NEED TO BE ABLE TO PROVIDE LOANS.
21 WE DO HAVE A BACKUP IN CASE WE CANNOT FINALIZE A
22 CONTRACT. WE CAN DO THIS IN-HOUSE WITH A CONSULTANT
23 WHO HAS HELPED US WITH SOME OTHER FINANCIAL ISSUES
24 RELATED TO FOR-PROFITS. WE COULDN'T DO THIS ON A
25 LONG-TERM BASIS, BUT I THINK ON THIS VERY FIRST TRY,

BARRISTERS' REPORTING SERVICE

1 WE PROBABLY COULD DO IT THAT WAY BECAUSE WE WOULDN'T
2 ANTICIPATE HAVING MORE THAN A COUPLE OF THESE
3 APPLICATIONS, SO WE PROBABLY COULD MANAGE AT THIS
4 TIME IN-HOUSE IF WE HAVE, BUT THAT'S NOT OUR
5 PREFERENCE. OUR PREFERENCE IS TRY TO FINISH THE
6 CONTRACTS IN TIME.

7 CHAIRMAN KLEIN: AND I THINK IT WOULD BE
8 APPROPRIATE TO SAY THAT, GIVEN THE TIGHT TIMEFRAME,
9 MOVING FORWARD WITH SILICON VALLEY BANK IS GOING TO
10 BE IMPORTANT, IF FEASIBLE, SO THAT THE BOARD REALLY
11 HAS THE FULL CHOICE AND THE COST DIFFERENCES IN
12 FRONT OF THEM WHEN THEY ARE ASKED TO APPROVE THE
13 DELEGATED UNDERWRITERS. WITH A PROTOTYPE PROCESS,
14 WE WILL AND HAVE RUN INTO SOME ISSUES WITH THESE
15 BANKING INSTITUTIONS AS THEY'VE -- THEIR LEGAL
16 DEPARTMENTS HAVE UNDERSTOOD THE COMPLEXITY OF
17 DEALING WITH THE STATE. SO WE NEED TO BRING
18 FORWARD, TO THE EXTENT WE CAN, ALL THREE
19 OPPORTUNITIES FOR THE BOARD SO THE BOARD CAN MAKE A
20 DECISION.

21 ANY QUESTIONS? THANK YOU VERY MUCH.
22 WE'VE ALREADY COVERED 20 AND 21. 19 IS COVERED. SO
23 AT THIS POINT I'D ASK FOR ANY PUBLIC COMMENT,
24 GENERAL PUBLIC COMMENT. SEEING NO PUBLIC COMMENT,
25 WE WOULD THEN, UNLESS -- DR. QUINT IS NOT HERE YET.

BARRISTERS' REPORTING SERVICE

1 MS. KING: ON THE ROAD.

2 CHAIRMAN KLEIN: HE'S ON THE ROAD. HE
3 WON'T BE HERE IN TIME. SO WE WOULD THEN BE
4 ADJOURNING. WHAT IS OUR SCHEDULE FOR THE MORNING?

5 MS. KING: THERE'S SPOTLIGHT AT 8:30, AND
6 THE MEETING STARTS AT 9:30, AND THERE WILL BE
7 BREAKFAST AVAILABLE HERE. JENNA, IF YOU COULD
8 REMIND US AT WHAT TIME. AT 8 O'CLOCK. THERE WILL
9 BE BREAKFAST AVAILABLE IN THE SAME ROOM WHERE WE
10 JUST HAD DINNER; IS THAT CORRECT? YES.

11 CHAIRMAN KLEIN: INFORMATIONALLY, COULD
12 YOU COVER FOR THE BOARD THE SPOTLIGHT MEMBERS WHO
13 WILL BE MAKING PRESENTATIONS?

14 MS. KING: I BELIEVE DON GIBBONS PUT
15 TOGETHER THIS SPOTLIGHT. MAYBE MR. GIBBONS WANTS TO
16 MAKE THE ANNOUNCEMENT OF WHO WILL BE PRESENTING.

17 MR. GIBBONS: THIS IS A LITTLE BIT UNUSUAL
18 SPOTLIGHT FOR YOU TOMORROW, BOARD MEMBERS, BECAUSE
19 IT'S FOCUSED ON BASIC RESEARCH AND THE TIES BETWEEN
20 BASIC RESEARCH AND THE CLINIC. AND BOARD MEMBER SAM
21 HAWGOOD WILL DO THE INTRODUCTIONS AND BE FOLLOWED BY
22 ARTURO ALVAREZ WITH BIO BY UCSF, OUR HOST HERE THIS
23 EVENING.

24 CHAIRMAN KLEIN: ALL RIGHT. SO WE WILL
25 LOOK FORWARD TO SEEING EVERYONE IN THE MORNING. IN

BARRISTERS' REPORTING SERVICE

1 TERMS OF MATERIALS, WE CAN LEAVE THEM HERE. AND
2 TRANSPORTATION? GIVEN THAT THIS IS A DIFFICULT
3 LOCATION TO GET IMMEDIATE TAXIS TO AND GIVEN THAT
4 WE'RE GOING TO BE ADJOURNING AT A DIFFERENT HOUR
5 THAN ANTICIPATED, IF THOSE BOARD MEMBERS WHO HAVE
6 CARS COULD IDENTIFY THEMSELVES SO OTHER BOARD
7 MEMBERS COULD TRAVEL WITH THEM. AND TO EXTENT THAT
8 STAFF HAS CARS THAT COULD TRANSPORT BOARD MEMBERS TO
9 THE HOTEL, THAT WOULD BE APPRECIATED. SO LET US
10 COORDINATE THAT THROUGH JENNA. AND THIS MEETING
11 STANDS ADJOURNED. THANK YOU.

12 (THE MEETING WAS THEN ADJOURNED AT
13 9:10 P.M.)

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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 PROCEEDINGS BEFORE 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

ROBERTSON AUDITORIUM
1675 OWENS STREET
SAN FRANCISCO, CALIFORNIA
ON
AUGUST 19, 2009

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
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