

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: CLAREMONT HOTEL
41 TUNNEL ROAD
BERKELEY, CALIFORNIA

DATE: SEPTEMBER 20, 2014
10 A.M.

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

BRS FILE NO.: 95378

BARRISTERS' REPORTING SERVICE

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BARRISTERS' REPORTING SERVICE

1 OAKLAND, CALIFORNIA; WEDNESDAY, SEPTEMBER 10, 2014

2 10 A.M.

3
4 CHAIRMAN THOMAS: OKAY. GOOD MORNING,
5 EVERYBODY. WE'D LIKE TO CALL THE SEPTEMBER 2014
6 MEETING OF THE ICOC TO ORDER. FIRST ITEM OF BUSINESS
7 IS THE PLEDGE OF ALLEGIANCE. MARIA, WILL YOU LEAD US
8 IN THAT, PLEASE.

9 MS. BONNEVILLE: PLEASE STAND IF YOU ARE
10 ABLE.

11 (THE PLEDGE OF ALLEGIANCE.)

12 CHAIRMAN THOMAS: MARIA, PLEASE CALL THE
13 ROLL.

14 MS. BONNEVILLE: LINDA BOXER.

15 DR. BOXER: HERE.

16 MS. BONNEVILLE: DAVID BRENNER.

17 DR. BRENNER: HERE.

18 MS. BONNEVILLE: KEN BURTIS.

19 DR. BURTIS: PRESENT.

20 MS. BONNEVILLE: ANNE-MARIE DULIEGE. LEON
21 FINE.

22 DR. FINE: PRESENT.

23 MS. BONNEVILLE: ELIZABETH FINI.

24 DR. FINI: HERE.

25 MS. BONNEVILLE: MICHAEL FRIEDMAN.

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1 DR. FRIEDMAN: HERE.
2 MS. BONNEVILLE: JUDY GASSON.
3 DR. GASSON: HERE.
4 MS. BONNEVILLE: SAM HAWGOOD. DAVID
5 HIGGINS.
6 DR. HIGGINS: HERE.
7 MS. BONNEVILLE: STEVE JUELSGAARD.
8 DR. JUELSGAARD: HERE.
9 MS. BONNEVILLE: SHERRY LANSING.
10 MS. LANSING: HERE.
11 MS. BONNEVILLE: JACOB LEVIN.
12 DR. LEVIN: HERE.
13 MS. BONNEVILLE: BERT LUBIN.
14 DR. LUBIN: HERE.
15 MS. BONNEVILLE: LAUREN MILLER.
16 MS. MILLER: HERE.
17 MS. BONNEVILLE: JOE PANETTA.
18 MR. PANETTA: HERE.
19 MS. BONNEVILLE: FRANCISCO PRIETO.
20 DR. PRIETO: HERE.
21 MS. BONNEVILLE: ROBERT QUINT. AL ROWLETT.
22 JEFF SHEEHY.
23 MR. SHEEHY: HERE.
24 MS. BONNEVILLE: OS STEWARD. JONATHAN
25 THOMAS.

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1 CHAIRMAN THOMAS: HERE.

2 MS. BONNEVILLE: ART TORRES.

3 MR. TORRES: HERE.

4 MS. BONNEVILLE: KRISTINA VUORI.

5 DR. VUORI: HERE.

6 MS. BONNEVILLE: DIANE WINOKUR.

7 MS. WINOKUR: HERE.

8 CHAIRMAN THOMAS: THANK YOU VERY MUCH,
9 MARIA. THIS BEING SEPTEMBER 10TH AND ONE DAY IN
10 ADVANCE OF THE 13TH ANNIVERSARY OF THAT AWFUL DAY IN
11 2001, WOULD LIKE, IF WE COULD PLEASE, HAVE A MOMENT
12 OF SILENCE IN HONOR OF THOSE WHO LOST THEIR LIVES ON
13 THAT DAY.

14 (MOMENT OF SILENCE.)

15 CHAIRMAN THOMAS: THANK YOU, EVERYBODY.

16 I'M DELIGHTED TO ANNOUNCE THAT WE HAVE A
17 NEW MEMBER OF OUR BOARD. HE IS DAVID HIGGINS WHO IS
18 COMING ONTO THE BOARD AS THE PATIENT ADVOCATE FOR
19 PARKINSON'S IN PLACE OF OUR LONGTIME AND TIRELESS AND
20 DEDICATED JOAN SAMUELSON, WHO, AS YOU KNOW, STEPPED
21 DOWN A FEW MONTHS AGO.

22 DAVID, COULD YOU PLEASE GIVE A BIT OF YOUR
23 BACKGROUND TO THE BOARD AND INTRODUCE YOURSELF.

24 DR. HIGGINS: SURE. MY NAME IS DAVID
25 HIGGINS. I'M FROM SAN DIEGO AND HAVE A BACKGROUND IN

BARRISTERS' REPORTING SERVICE

1 BIOTECHNOLOGY INDUSTRY AS WELL AS PATIENT ADVOCACY
2 FOR PARKINSON'S. I WAS DIAGNOSED WITH PARKINSON'S IN
3 2011 AND HAVE A LONG SORT OF FAMILY PEDIGREE. IT'S
4 SORT OF A PARKINSON'S ROYAL FAMILY. MY MOTHER DIED
5 FROM PARKINSON'S EARLIER THIS YEAR, AND MY
6 GRANDMOTHER DIED MANY YEARS AGO AFTER BEING ONE OF
7 THE FIRST PERSONS IN ONE OF THE VERY FIRST L-DOPA
8 TRIALS.

9 SO ONE OF MY EXPERIENCES HAS BEEN TO SEE
10 THE BENEFIT AND ADVANTAGES OF ADVANCEMENT OF MEDICINE
11 THROUGH GOOD RESEARCH. I'M HAPPY TO BE HERE.

12 CHAIRMAN THOMAS: THANK YOU. THANK YOU
13 VERY MUCH.

14 SO A FEW THINGS I WANTED TO TELL YOU ABOUT.
15 NO. 1, HAVE A VERY INTERESTING EVENT COMING UP,
16 ACTUALLY A COUPLE OF THEM. A PRODUCER OF MOTOWN
17 NAMED MARK DAVIS DEVELOPED AN INTEREST IN THE HISTORY
18 OF STEM CELL RESEARCH. AND HE WENT OUT AND, TOTALLY
19 UNSOLICITED BY US OR ANYBODY, PUT TOGETHER A
20 DOCUMENTARY ON THE HISTORY OF STEM CELLS AND STEM
21 CELL RESEARCH. AND THAT DOCUMENTARY IS GOING TO BE
22 SHOWN IN A COUPLE OF PRIVATE SHOWINGS, ONE IN THE BAY
23 AREA ON SEPTEMBER 23D, THE OTHER NEXT WEEK THAT
24 SHERRY IS GRACIOUSLY HOSTING DOWN IN LOS ANGELES ON
25 SEPTEMBER 15TH.

BARRISTERS' REPORTING SERVICE

1 WE HAVE LINKS OF THIS. IT'S ACTUALLY ABOUT
2 AN HOUR AND A HALF LONG FEATURE FILM. CIRM AND ITS
3 GRANTEES FEATURE VERY PROMINENTLY IN THIS PIECE. AND
4 I THINK IT IS SOMETHING THAT WILL PROVIDE GREAT
5 EDUCATION TO THE PUBLIC. MARK IS LOOKING TO GET IT
6 ON VARIOUS TYPES OF MEDIA SO HE CAN SPREAD THE STORY.
7 BUT IF YOU SAW THIS, IT'S EVERY BIT A FULL-BLOWN,
8 HIGHLY PROFESSIONAL PIECE AND TELLS THE STORY, I
9 THINK, VERY WELL. SO IF ANYBODY IS INTERESTED,
10 PLEASE LET US KNOW. IT'S A BIT FAR TO COME FOR SOME
11 OF YOU WHO LIVE DOWN IN SAN DIEGO, FOR EXAMPLE,
12 WHATEVER, BUT I THINK THIS IS SOMETHING YOU'D REALLY
13 LIKE. SO IF ANYBODY WOULD LIKE A LINK, WOULD LIKE A
14 DVD, WOULD LIKE TO COME TO THE SHOWING ITSELF, PLEASE
15 ACTUALLY LET KEVIN KNOW BECAUSE HE'S THE KEEPER OF
16 ALL KNOWLEDGE ON THIS.

17 SECOND THING, IN THE PAST MONTH WE HAD OUR
18 ANNUAL BRIDGES CONFERENCE. FOR THOSE NEWER MEMBERS,
19 THIS IS OUR PROGRAM WE SET UP A NUMBER OF YEARS AGO
20 TO ENABLE COLLEGE STUDENTS FROM UNIVERSITIES THAT
21 DON'T HAVE PROGRAMS THAT WE FUND TO HAVE ACCESS TO
22 THOSE INSTITUTIONS AND TO WORK ON PROJECTS IN
23 CONJUNCTION WITH SCIENTISTS AT THOSE INSTITUTIONS.
24 AND ANNUALLY THEY COME TOGETHER AND PRESENT THEIR
25 WORK, AND IT IS MOST INTERESTING. I DON'T KNOW HOW

BARRISTERS' REPORTING SERVICE

1 MANY OF YOU HAVE EVER BEEN ABLE TO GO SEE THIS, BUT
2 THE LEVEL OF SOPHISTICATION, THE LEVEL OF ENTHUSIASM
3 THAT THESE STUDENTS BRING TO THE TASK IS MOST
4 INTERESTING.

5 AND IN TALKING TO A NUMBER OF OUR PI'S, A
6 LOT OF WORK THAT HAS BEEN INCORPORATED INTO PROJECTS
7 THAT WE'VE ACTUALLY FUNDED STEMS FROM PEOPLE WHO ARE
8 PART OF THIS BRIDGES PROGRAM. SO I WANTED THE BOARD
9 TO KNOW ABOUT THIS; AND IF YOU HAVE AN OPPORTUNITY TO
10 EVER TALK TO ONE OF THESE STUDENTS, I THINK YOU'D
11 FIND IT STRIKING AND VERY REWARDING.

12 I WANTED TO REPORT TO THE BOARD ALSO SORT
13 OF AN INTERESTING SHIFT IN THE LANDSCAPE IN THE
14 FUNDING OF RESEARCH IN REGENERATIVE MEDICINE. YOU
15 MAY RECALL A COUPLE YEARS AGO WE TALKED ABOUT A TREND
16 THAT WAS STARTING TO DEVELOP WHERE BIG PHARMA WAS NOT
17 HAPPY WITH THE RESULTS OF A GREAT DEAL OF MONEY PUT
18 INTO R&D OVER THE PAST DECADE AND WAS STARTING TO
19 CONSIDER OUTSOURCING THE R PART AND KEEPING THE D
20 PART. AT THAT POINT THERE WAS NOT A LOT OF INTEREST
21 IN REGENERATIVE MEDICINE AT THE PHARMA LEVEL. IT WAS
22 KIND OF DEEMED TOO EARLY. AND THE SLACK ON THAT
23 CONTINUED TO BE PICKED UP BY CIRM, BY NIH, BY TO A
24 CERTAIN EXTENT DISEASE FOUNDATIONS, ETC.

25 INCREASINGLY OVER THE COURSE OF THE LAST

BARRISTERS' REPORTING SERVICE

1 YEAR, I'VE SPENT A LOT OF TIME TALKING TO PEOPLE IN
2 PHARMA, TALKING TO PEOPLE IN BIG BIOTECH, TALKING TO
3 OTHERS IN THE FIELD, AND IT IS INTERESTING THAT
4 YOU'RE NOW SEEING A SHIFT, THIS MOVEMENT TO FARM OUT
5 RESEARCH IS GAINING A GREAT DEAL OF MOMENTUM, NOT
6 JUST IN GENERAL IN MEDICAL RESEARCH, BUT
7 SPECIFICALLY, AND INTERESTINGLY AS PERTAINS TO US, IN
8 THE FIELD OF REGENERATIVE MEDICINE. A NUMBER OF BIG
9 PHARMA NOW HAVE ACTUAL REGENERATIVE MEDICINE
10 DIVISIONS. THEY ARE ACTIVELY LOOKING TO FORM
11 STRATEGIC ALLIANCES WITH PI'S WHO ARE DEVELOPING
12 PRODUCTS IN THE FIELD. AND YOU'VE SEEN THAT ACTUALLY
13 SORT OF COME TOGETHER IN ONE OF OUR OWN PROJECTS
14 WHICH IS VIACYTE WHERE JANSSEN JOINED CIRM, AND THE
15 THIRD FUNDING LEG, WHICH IS THE DISEASE FOUNDATION
16 COMMUNITY, THEIR JDRF, TO PUT MONEY INTO THAT VERY
17 PROMISING WORK THAT VIACYTE IS DOING.

18 BUT WHAT'S INTERESTING IS WE'RE NOW SEEING
19 THESE COMPANIES ARE WANTING TO TALK. THEY'RE WANTING
20 TO HEAR WHAT WE'RE DOING. AND I THINK YOU'RE GOING
21 TO SEE AN INCREASING TREND OF THIS ALLIANCE STARTING
22 TO FORM AND CO-FUNDING COMING IN FROM THESE BIG
23 PHARMA AND FROM BIG BIOTECH WHO ARE LOOKING TO
24 INCREASE PIPELINE. AND IT'S KIND OF A WIN-WIN FOR
25 THE PEOPLE DOING THE RESEARCH BECAUSE THEY GET SOME

BARRISTERS' REPORTING SERVICE

1 LIGHT AT THE END OF THE FUNDING TUNNEL AND IT'S VERY
2 PROMISING.

3 NOW, WHAT'S, I THINK, ABOVE AND BEYOND THAT
4 INTERESTING, PERTAINING TO US AS WELL, FOR YEARS
5 VENTURE CAPITAL HAS STAYED ON THE SIDELINES, WERE
6 DEEMED TOO EARLY, TOO SPECULATIVE, TOO DIFFICULT TO
7 MAP OUT RETURN ON INVESTMENT THAT WOULD BE
8 SATISFACTORY TO THE LP'S AND THE VC PARTNERSHIPS.
9 HAVING NOW HAD CONVERSATIONS WITH A NUMBER OF VC'S
10 WHO ARE ACTUALLY IN THE LIFE SCIENCE AREA AS WELL AS
11 SOME PEOPLE WHO ARE IN PRIVATE EQUITY IN THE LIFE
12 SCIENCE AREA, YOU'RE STARTING TO SEE A SHIFT IN THAT
13 AS WELL.

14 YOU KNOW, BIOTECH FOR ABOUT TEN YEARS
15 WASN'T FARING TOO WELL IN THE MARKETS. THE LAST TWO
16 OR THREE YEARS HAS SEEN A HUGE RESURGENCE WITH MANY
17 IPO'S COMING THIS YEAR, A GREAT DEAL OF INTEREST IN
18 THE MARKET IN GENERAL, AND THE SPACE. THAT GETS THE
19 VC'S ATTENTION. AND, IN FACT, NOW YOU'RE STARTING TO
20 SEE FUNDS THAT ARE ACTUALLY BEING CONTEMPLATED
21 TARGETED AT REGENERATIVE MEDICINE, WHICH IS A VERY
22 NEW DEVELOPMENT. YOU ADD TO THAT AS WELL THE
23 INTEREST LEVEL IN THE HIGH NET WORTH COMMUNITY IN
24 FUNDING MEDICAL RESEARCH, WHICH EITHER COMES IN THE
25 FORM OF UNRESTRICTED GIFTS IN MANY INSTANCES, AND

BARRISTERS' REPORTING SERVICE

1 WE'VE BEEN A GREAT BENEFICIARY OF THAT, AS YOU KNOW,
2 FOLKS LIKE DENNY SANFORD, ELI BROAD, AND MANY WHO
3 GAVE CONTRIBUTIONS EARLY ON IN CIRM'S HISTORY. YOU
4 ALSO SEE A LOT OF INTEREST THAT'S TARGETED, SPECIFIC
5 DISEASE RESEARCH THROUGH THE HIGH NET WORTH COMMUNITY
6 FOR TYPICALLY PEOPLE WHO HAVE FAMILY MEMBERS WITH A
7 DISEASE OR CONDITION.

8 BUT THE POINT OF ALL THIS IS THEY TOO ARE
9 NOW LOOKING AT REGENERATIVE MEDICINE AS A POTENTIAL
10 AREA TO PUT MONEY INTO PRINCIPALLY ON THIS
11 PHILANTHROPIC SIDE.

12 SO IF YOU KIND OF ADD ALL THIS TOGETHER,
13 THE TREND IS NOW INCREASING, THAT WE'RE GETTING A LOT
14 OF INTEREST, I'D SAY -- WOULDN'T SAY A LOT. WE'RE
15 GETTING A DEVELOPING INTEREST ON MANY DIFFERENT
16 FRONTS TO ADVANCE THE FIELD OF REGENERATIVE MEDICINE.
17 AND IT'S ONE OF THE AREAS THAT I AM PRINCIPALLY
18 FOCUSED ON. IT'S AN AREA RANDY IS PRINCIPALLY
19 FOCUSED ON. AND STAY TUNED, BUT I THOUGHT YOU WOULD
20 LIKE TO HEAR THAT DESCRIPTION AS OVER TIME WE'LL
21 BRING BACK TO YOU DEVELOPMENTS AS THEY COME THROUGH
22 ON THIS PARTICULAR TOPIC.

23 OKAY. SO THAT CONCLUDES THE CHAIR'S
24 REPORT. NOW TURN IT OVER TO DR. MILLS FOR THE
25 PRESIDENT'S REPORT.

BARRISTERS' REPORTING SERVICE

1 DR. MILLS: MR. CHAIRMAN, THANK YOU, BOARD,
2 THANK YOU FOR THE OPPORTUNITY TO SPEAK WITH YOU
3 TODAY. I WILL ATTEMPT TO KEEP MY REMARKS SOMEWHAT
4 LIMITED; BUT OBVIOUSLY IF THERE ARE ANY QUESTIONS
5 THAT YOU HAVE FOR ME AT ANY TIME, PLEASE ASK.

6 TODAY I'LL BE TALKING A LITTLE BIT ABOUT
7 STAYING FOCUSED ON THE MISSION. I'LL BE PROVIDING A
8 LITTLE BIT OF COMMENTARY, AGAIN, ON OUR BUDGET, BOTH
9 OUR OPERATING BUDGET AND OUR AWARD BUDGET. AND THEN
10 LASTLY, I'D LIKE TO INTRODUCE A CONCEPT THAT WE'RE
11 WORKING ON AT CIRM WHICH WE'RE UNDER THE WORKING
12 TITLE OF CIRM 2.0, WHICH IS HOW WE GO ABOUT TAKING A
13 FRESH LOOK AT OUR CURRENT PROCESS, OUR CURRENT
14 INITIATIVES, AND HOW DO WE USE THAT TO IMPROVE AND
15 BUILD A BETTER STEM CELL AGENCY.

16 BUT AS I SAID WHEN I ACCEPTED THE POSITION
17 AS PRESIDENT OF CIRM, ONE OF THE THINGS I PROMISED
18 WAS I WOULD ALWAYS MAKE SURE THAT WE WERE REMINDED OF
19 OUR MISSION. AND OUR MISSION AT CIRM IS UNIQUE AND
20 IT'S VERY, VERY IMPORTANT. WE'RE HERE TO ACCELERATE
21 STEM CELL TREATMENTS TO PATIENTS WITH SIGNIFICANT
22 UNMET MEDICAL NEEDS. THAT'S WHAT OUR JOB IS. WE
23 WANT TO MOVE THE STEM CELLS ON THE LEFT TO THE
24 PATIENTS ON THE RIGHT. IT REALLY IS ALL ABOUT THE
25 PATIENTS, AND IT REALLY IS IMPORTANT THAT WE ALWAYS

BARRISTERS' REPORTING SERVICE

1 REMEMBER THAT THE PURPOSE THAT WE'RE HERE AND THE
2 REASON THAT CIRM EXISTS IS TO SERVE OUR PATIENTS.

3 AS I MENTIONED AT PREVIOUS BOARD MEETINGS,
4 WE'VE DEVELOPED A TEST THAT HELPS US DETERMINE
5 WHETHER OR NOT WE'RE BEING SUCCESSFUL IN OUR
6 ACTIVITIES. WHETHER AN ACTIVITY IS WORTHY OF OUR
7 ATTENTION OR NOT CENTERS AROUND THE ANSWERS TO THIS.
8 THE FIRST BEING IS THIS SOMETHING THAT'S GOING TO
9 SPEED UP THE DEVELOPMENT OF A STEM CELL TREATMENT?
10 THE SECOND, IS IT GOING TO INCREASE THE LIKELIHOOD OF
11 SUCCESS? THE THIRD, IS WHAT WE'RE WORKING ON
12 ACTUALLY AN UNMET MEDICAL NEED? AND THEN LASTLY, IS
13 IT EFFICIENT. I WILL AGAIN POINT OUT THAT THE FOURTH
14 POINT IS, WITHOUT QUESTION, SUBORDINATE TO THE FIRST
15 THREE. MEANING THE MOST IMPORTANT THING FOR ME IS TO
16 DEVELOP STEM CELL THERAPIES AND GET THEM TO PATIENTS.
17 IF IT'S INEFFICIENT, BUT IT'S EFFECTIVE, I WOULD
18 CONSIDER DOING IT. OKAY. SO THAT'S JUST SOMETHING I
19 ALWAYS LIKE TO KEEP IN MIND.

20 NEXT THING I'D LIKE TO DO IS JUST PROVIDE A
21 LITTLE BIT OF COMMENT ON OUR BUDGET. WE TALKED A
22 LITTLE BIT ABOUT THIS LAST MEETING. I'LL JUST GO
23 THROUGH IT AGAIN. IT WAS SOMEWHAT NEW AT THE LAST
24 MEETING, SO I THOUGHT IT MIGHT BE A GOOD IDEA TO GO
25 OVER. PARTICULARLY THERE'S SOME NEW MEMBERS TO THE

BARRISTERS' REPORTING SERVICE

1 BOARD AND MEMBERS THAT WEREN'T HERE LAST TIME. AND
2 COMING IN FOR ME IT WAS INTERESTING TO LEARN THIS.
3 SO I JUST WANT TO GO OVER IT AGAIN.

4 SO CIRM, WHEN WE TALK ABOUT CIRM AND WE
5 TALK ABOUT THE \$3 BILLION INITIATIVE, IT REALLY FOR
6 OUR PURPOSES DIVIDES UP INTO TWO DISTINCT BUCKETS,
7 EITHER OF WHICH, WHEN THEY RUN OUT OF MONEY, CIRM
8 COMES TO AN END. BUT THE TWO BUCKETS ARE
9 BASICALLY -- THE SMALL BUCKET OR THE LITTLE BUCKET,
10 AS I REFER TO IT, IS OUR ADMINISTRATIVE BUCKET. SO
11 THIS IS THE MONEY THAT FUNDS THE ACTUAL AGENCY CIRM
12 ITSELF. AND THAT WAS AWARDED AT ABOUT \$180 MILLION.
13 THE LARGER BUCKET IS THE MONEY THAT CIRM HANDS OUT TO
14 OUR INVESTIGATORS TO CONDUCT THE RESEARCH AND
15 DEVELOPMENT ACTIVITIES THAT WE WERE DESIGNED TO FUND.
16 THAT'S ABOUT \$2.75 BILLION. AND SO THOSE TWO BUCKETS
17 ARE DISTINCT. THEY CAN'T GET CROSSED. WE CAN'T USE
18 MONEY IN ONE BUCKET FOR THE OTHER. AND SO THAT'S WHY
19 IT'S IMPORTANT, IF WE THINK ABOUT OUR BALANCE SHEET
20 OR OUR CASH OR CAPITAL ON HAND AS SORT OF A FUEL
21 TANK, WE HAVE TO MAKE SURE WE'RE LOOKING AT BOTH OF
22 THESE FUEL TANKS.

23 SO THE GRANTS ADMINISTRATION BUDGET,
24 ACTUALLY A FAIRLY EASY BUDGET FOR US TO GO OVER, AND
25 CHILA IS GOING TO ACTUALLY BE SPEAKING MORE TO THIS

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1 BUDGET IN A JUST LITTLE BIT. AS YOU CAN SEE, WE'RE
2 DOING A REASONABLY GOOD JOB CONTROLLING EXPENSES
3 HERE. BUT THIS IS A \$180 MILLION BUDGET THAT WAS SET
4 OUT AT THE ONSET OF CIRM TEN YEARS AGO. AS OF TODAY,
5 WE'VE SPENT ABOUT \$89 MILLION, MEANING WE HAVE ABOUT
6 \$91 MILLION LEFT IN THIS TANK. OUR CURRENT SPEND
7 RATE OUT OF THIS BUCKET IS ABOUT \$13 MILLION A YEAR,
8 WHICH WOULD THEN GIVE US ENOUGH MONEY, IF WE CONTINUE
9 AT THAT BURN RATE, TO INTO 2021.

10 THE ONE THING THAT I WILL COMMENT ABOUT
11 THIS BUDGET THAT YOU'LL SEE COMPARED TO CHILA'S
12 NUMBERS, YOU WILL SEE CHILA'S NUMBERS, CHILA'S NUMBER
13 IS 15.2 AND YOU'RE SAYING IT'S ABOUT 13 HERE. THERE
14 IS ABOUT \$2 MILLION OF MONEY THAT EXISTS IN CHILA'S
15 BUDGET THAT DOESN'T COME OUT OF THIS PARTICULAR TANK.
16 IT COMES OUT OF ACTUALLY THE OTHER. AND THAT CENTERS
17 AROUND THERE'S CERTAIN COSTS THAT WERE ORIGINALLY
18 STRUCTURED TO COME OUT OF THE BIG BUCKET, AND THOSE
19 ARE THINGS LIKE LEGAL EXPENSES AND THERE ARE A FEW
20 OTHER THINGS. SO THAT'S THE DIFFERENCE BETWEEN THE
21 \$13 MILLION I'M SHOWING HERE AND THE \$15 MILLION THAT
22 YOU'LL SEE IN HER BUDGET.

23 THE AWARD BUDGET, THIS IS MONEY THAT WE
24 GIVE OUT TO RECIPIENTS, THAT'S A MUCH LARGER BUCKET,
25 2.75 BILLION. NOW, AS OF TODAY, WE'VE AWARDED

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1 APPROXIMATELY \$1.9 BILLION OF THAT. NOW, AWARD
2 DOESN'T MEAN SPENT. AWARDED MEANS WE HAVE COMMITTED
3 THAT MONEY. WE HAVE TOLD THE APPLICANTS THAT WE HAVE
4 APPROVED THEIR GRANT. BUT THE WAY THAT OUR SYSTEM
5 WORKS, THE WAY THAT OUR FUNDING SYSTEM WORKS IS WE
6 DISBURSE THAT MONEY OUT OVER TIME AND OUT OVER
7 HITTING CERTAIN MILESTONES. AND SO JUST BECAUSE THAT
8 MONEY IS AWARDED DOESN'T MEAN IT'S ALL GOING TO GET
9 SPENT. IN FACT, GIVEN WHAT WE DO AS BIOTECH, IT
10 WOULD BE A GREAT THING FOR US IF WE WERE TO ACTUALLY
11 SPEND ALL OF THAT MONEY, BUT NOTHING IN BIOTECH WORKS
12 AT A HUNDRED PERCENT. SO THERE WILL BE A PORTION OF
13 THAT \$1.9 BILLION THAT WE DON'T SPEND OUT BECAUSE AS
14 A PROGRAM REACHES NO-GO MILESTONES AND WE DECIDE TO
15 DISCONTINUE IT FOR FUTILITY, THAT REMAINING MONEY
16 WILL COME BACK AND GO INTO THIS GENERAL BUDGET. WE
17 ESTIMATE THAT TO BE CONSERVATIVELY SOMEWHERE BETWEEN
18 50 AND \$100 MILLION.

19 ADDITIONALLY, WE HAVE ANOTHER \$880 MILLION
20 THAT HAS NOT YET BEEN AWARDED, AND THAT'S A FAIRLY
21 LARGE AMOUNT OF MONEY AS WELL. SO IF YOU PUT THOSE
22 TWO THINGS TOGETHER IN ROUND NUMBERS, AGAIN, THIS
23 LEAVES US ABOUT A BILLION DOLLARS WHICH WE HAVE LEFT
24 TO AWARD WITH CIRM.

25 NOW, OUR CURRENT FUNDING RATE IS AROUND A

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1 \$190 MILLION A YEAR IF YOU LOOK AT WHAT WE ACTUALLY
2 AWARD PER YEAR. GIVEN THAT, THAT WILL TAKE US UNTIL
3 ABOUT 2020. SO WE DO HAVE A GOOD LONG RUNWAY AHEAD
4 OF US AT OUR CURRENT SPEND RATE.

5 NOW, THERE'S BASICALLY THREE POINTS THAT I
6 WANT TO MAKE REGARDING TO OUR BUDGET. FIRST IS THERE
7 ARE THINGS THAT GO ON IN THE DEVELOPMENT OF STEM CELL
8 THERAPIES AND IN BIOTECHNOLOGY WHERE THEY JUST AREN'T
9 ACCELERATED BY SPENDING MORE MONEY. THERE ARE SOME
10 THINGS THAT JUST TAKE TIME. A 12-MONTH TOXICOLOGY
11 STUDY IS GOING TO TAKE 12 MONTHS. AND IF YOU DOUBLE
12 THE AMOUNT OF MONEY YOU SPEND ON IT, IT'S STILL GOING
13 TO TAKE 12 MONTHS. AND SO THAT'S SOMETHING WE JUST
14 HAVE TO BE AWARE OF, THAT SPENDING MORE MONEY WON'T
15 NECESSARILY GET US THE RESULT WE WANT.

16 BUT THE COROLLARY TO THAT, THOUGH, IS OUR
17 GOAL HERE IS NOT TO SAVE MONEY. AND I WANT TO MAKE
18 SURE THIS POINT IS CLEAR. SO WHILE I HAVE A VERY
19 STRONG SENSE OF RESPONSIBILITY TO THE PEOPLE OF
20 CALIFORNIA TO NOT WASTE MONEY, I DON'T LIKE WASTING
21 MONEY UNDER ANY CIRCUMSTANCES, I DON'T LIKE FUNDING
22 THINGS THAT HAVE NO CHANCE OF SUCCESS, OUR GOAL IS
23 NOT TO SAVE MONEY. OUR GOAL IS TO FIND CURES. AND
24 SO MY COMMITMENT IS I WILL PUT FORWARD
25 RECOMMENDATIONS FOR ANYTHING AND EVERYTHING THAT WILL

BARRISTERS' REPORTING SERVICE

1 ACTUALLY MOVE THE BALL DOWN THE FIELD AND ADDRESS OUR
2 MISSION AND BRING TREATMENTS TO PATIENTS.

3 THE THIRD THING THAT I WANT TO TALK ABOUT
4 WITH REGARDS TO THIS CENTERS AROUND THE QUALITY OF
5 THE APPLICATIONS THAT WE RECEIVE. I AM ACTUALLY
6 CONCERNED THAT WE WILL NOT BE ABLE TO MAINTAIN A \$190
7 MILLION ANNUAL AWARD RATE WITH OUR CURRENT PIPELINE
8 OF PROJECTS. WE HAVE A LOT OF THINGS FUNDED. WE
9 HAVE A LOT OF GOOD PROJECTS UP ON FUNDING, BUT I AM
10 CONCERNED THAT WE DON'T HAVE ENOUGH THINGS COMING
11 INTO THE PIPELINE THAT ARE HIGH QUALITY.

12 NOW, I DON'T WANT TO FUND THINGS THAT ARE
13 NOT HIGH QUALITY. THAT DOESN'T SERVE OUR MISSION.
14 SO ONE OF THE THINGS THAT WE REALLY NEED TO FOCUS ON
15 IS HOW DO WE INCREASE THE INFLOW OF APPLICANTS, HIGH
16 QUALITY APPLICANTS, INTO OUR SYSTEM SO WE CAN
17 CONTINUE OUR FUNDING RATE.

18 DOES ANYONE HAVE ANY QUESTIONS ON THAT? SO
19 THAT JUST BRINGS ME INTO THE THIRD POINT I WANTED TO
20 MAKE, WHICH IS A PROJECT, AS I SAID, WE'VE TERMED
21 INTERNALLY AS CIRM 2.0. IT'S HOW DO WE TAKE A FRESH
22 LOOK AT WHAT WE'RE DOING AND DO IT BETTER? I WANT TO
23 SAY ON THE OUTSET THIS IS IN NO WAY A CRITICISM OF
24 HOW WE GOT TO WHERE WE ARE. BUT MY GOAL WHEN I CAME
25 ON WAS TO ALWAYS PUT THE NEEDS OF THE PATIENTS AHEAD

BARRISTERS' REPORTING SERVICE

1 OF EVERYTHING ELSE. AND FROM TIME TO TIME, I'M A
2 FIRM BELIEVER THAT THINGS CAN ALWAYS GET BETTER, AND
3 FROM TIME TO TIME IT'S JUST APPROPRIATE FOR US TO
4 STEP BACK AND SAY, ALL RIGHT. HERE'S WHERE WE ARE,
5 BUT WHAT CAN WE BE DOING BETTER? SO THAT'S WHAT CIRM
6 2.0 IS ABOUT. IT'S ABOUT FINDING A WAY TO MAKE A
7 BETTER STEM CELL AGENCY.

8 SO OUR PURPOSE IS TO CREATE A PROCESS AT
9 CIRM FOR ATTRACTING, AWARDING, AND ADMINISTERING
10 GRANTS THAT BETTER SERVE OUR OVERALL MISSION. AND
11 HERE WHAT'S REALLY IMPORTANT IS THAT OUR PROCESS
12 SERVES OUR MISSION, NOT THAT WE BECOME SORT OF
13 BEHOLDEN TO OUR PROCESS. NOW, IF WE'RE SUCCESSFUL
14 WITH THIS, I THINK WE WILL ACTUALLY HAVE A LOT MORE
15 HIGH QUALITY APPLICANTS TO THE PROCESS. AND WE
16 REALLY, REALLY WANT THE BEST, HIGH QUALITY THINGS
17 THAT HAVE THE BEST SHOT OF BEING SUCCESSFUL COMING
18 INTO OUR SYSTEM.

19 WE CAN REDUCE CYCLE TIME. WE'RE AN AGENCY
20 THAT EXISTS TO ACCELERATE STEM CELL THERAPIES. SO
21 ANYTHING WE CAN DO THAT DIRECTLY REDUCES CYCLE TIME
22 ON OUR END OR WOULD DIRECTLY IMPACT A THERAPY
23 REACHING A PATIENT WE OUGHT TO DO. THAT IS DIRECTLY
24 WITHIN OUR CONTROL.

25 ANOTHER ASPECT, I THINK WE CAN FIND WAYS TO

BARRISTERS' REPORTING SERVICE

1 HELP ACCELERATE PROGRAMS THAT WE ALREADY HAVE FUNDED.
2 AND THIS GOES BACK TO THINGS I WAS TALKING ABOUT LIKE
3 DIRECTLY WORKING WITH OUR PARTNERS ON WHETHER IF THEY
4 HAVE AN ISSUE WITH THE FDA OR IF THEY HAVE AN ISSUE
5 WITH BUSINESS DEVELOPMENT OR ENROLLMENT OR WHATEVER
6 IT MIGHT BE, HOWEVER WE CAN ACTIVELY ENGAGE AND HELP
7 THEM I WANT TO DO THAT.

8 AND THEN THE LAST THING THAT I THINK IS
9 REALLY IMPORTANT IS THAT WE HAVE CLARITY. THAT AT
10 THE OUTSET OR AT THE CONCLUSION OF THIS PROCESS, THE
11 PEOPLE INSIDE CIRM, THE BOARD, OUR GRANTEEES, OUR
12 PATIENT ADVOCATES UNDERSTAND THE PROCESS BY WHICH
13 CIRM RUNS VERY CLEARLY, THEY FEEL COMFORTABLE WITH
14 IT, AND THEY KNOW HOW TO USE IT, AND THEY KNOW HOW TO
15 TAKE ADVANTAGE OF IT FOR THE PURPOSES OF ACHIEVING
16 OUR MISSION.

17 SO LET ME JUST TAKE YOU REALLY QUICKLY
18 THROUGH THE OVERALL PROCESS. I'M GOING TO USE AN
19 EXAMPLE OF CLINICAL STAGE PROJECTS RIGHT NOW. SO
20 THIS IS SOMETHING THAT'S AT OR AROUND THE IND STAGE.
21 WE WILL BE LOOKING AT CIRM'S ENTIRETY OF PRODUCTS
22 FROM THE BASIC RESEARCH ALL THE WAY THROUGH CLINICAL
23 DEVELOPMENT; BUT I'LL TELL YOU FROM A SCOPE
24 STANDPOINT, WE'RE STARTING AT THE CLINICAL STAGE
25 PROJECTS. AND THE REASON FOR THAT IS JUST SIMPLY A

BARRISTERS' REPORTING SERVICE

1 MATTER OF NUMBERS. THERE ARE FEWER OF THEM, AND SO
2 WE CAN TEST THESE CONCEPTS OUT, GET THEM PERFECTED,
3 AND THEN MOVE THEM BACK UPSTREAM TO THE LARGER AREAS
4 SUCH AS BASIC BIOLOGY WHERE WE HAVE MORE
5 APPLICATIONS.

6 SO THIS IS OUR OVERALL PROCESS AND WHAT IT
7 LOOKS LIKE. THERE ARE GENERALLY FOUR PHASES TO WHAT
8 WE DO. THERE'S AN APPLICATION PHASE WHICH STARTS
9 WITH A CONCEPT PLAN BEING APPROVED BY THE BOARD.
10 THERE'S AN RFA GENERATED FROM THAT. SO THERE'S A
11 CONCEPT PLAN APPROVED BY THE BOARD, THERE'S AN RFA.
12 SOMETIMES WE REQUIRE LETTERS OF INTENT FROM OUR
13 APPLICANTS. WE REVIEW THOSE. IF ALL THAT GOES WELL,
14 THEN WE GET APPLICATIONS THAT COME AND ARE SUBMITTED
15 TO US.

16 THE SECOND STAGE IS ACTUALLY THE REVIEW.
17 THIS HAS TO DO WITH ELIGIBILITY VERIFICATION TO MAKE
18 SURE THAT THE APPLICATION IS WITHIN SCOPE. CONFLICT
19 OF INTEREST IS REALLY IMPORTANT FOR US. SO AS WE
20 ASSEMBLE A PANEL OF REVIEWERS, WE HAVE TO MAKE SURE
21 THAT THOSE PANELS AREN'T CONFLICTED WITH THE
22 INVESTIGATORS THAT ARE APPLYING FOR THE GRANTS. WE
23 HOLD GRANT WORKING GROUP MEETING, WHICH IN MY FORMER
24 LIFE I USED TO PARTICIPATE IN AND HAD A LOT OF FUN
25 WITH. AND THEN LASTLY, PREPARE RECOMMENDATIONS THAT

BARRISTERS' REPORTING SERVICE

1 COME BACK TO THE BOARD FOR THE BOARD ULTIMATELY TO
2 MAKE AN APPROVAL DECISION ON.

3 THE NEXT PHASE IS CONTRACTING. SO THIS IS
4 WHERE WE'VE AWARDED, WE'VE MADE A DECISION TO FUND A
5 GRANT, BUT WE NEED TO WORK OUT A CONTRACT FOR THAT.
6 WE NEED TO COME UP WITH SOME LEGAL DOCUMENT THAT SAYS
7 THIS IS HOW WE'RE GOING TO PAY THIS MONEY OUT. THESE
8 ARE THE MILESTONES. OFTEN, BECAUSE OF HOW LONG THIS
9 PROCESS TAKES, BY THE TIME WE GET TO THE CONTRACTING
10 PHASE, A LOT OF THE UNDERLYING ASSUMPTIONS OR THE
11 PHASE OF THE PROGRAM HAS CHANGED, AND SO WE HAVE TO
12 AMEND MILESTONES, WE HAVE TO AMEND ASSUMPTIONS THAT
13 WERE IN THE ORIGINAL PROGRAM, AND THEN OBVIOUSLY WORK
14 OUT THE FINANCIAL TERMS OF THE AGREEMENT.

15 AND THEN LASTLY IS THE ADMINISTRATION OF
16 THE GRANTS. SO WE'VE GONE THROUGH THIS PROCESS,
17 WE'VE AWARDED IT, NOW WE WANT TO ACTUALLY HAVE THIS
18 WORK TAKE PLACE. AND SO THINGS WE DO HERE IS SORT OF
19 PAYING OUT ON THAT GRANT, PROGRESS REPORTING. SO US
20 FIGURING OUT ARE THEY MAKING PROGRESS ALONG THEIR
21 TIMELINE AND THEIR SCHEDULES. WE HAVE A PROCESS
22 CALLED CDAP WHICH IS INTENDED TO HELP THEM WORK
23 THROUGH PROBLEMS THEY HAVE. AND THEN OBVIOUSLY
24 MILESTONE EVALUATION. ARE THEY ACTUALLY ACHIEVING
25 THE MILESTONES WE SET OUT TO DO?

BARRISTERS' REPORTING SERVICE

1 SO AS WE LOOK AT THIS, THOUGH, AND THAT'S A
2 LOT, SO AS WE LOOK AT THIS IN TIME, WE CAN SEE THAT
3 THERE ARE PROBABLY OPPORTUNITIES WHERE WE MIGHT BE
4 ABLE TO SHORTEN THINGS. SO OUR APPLICATION WINDOW
5 RIGHT NOW IS ANYWHERE BETWEEN 9 TO 15 MONTHS. THIS
6 IS A REAL SERIOUS KILLER AND CONSUMER OF TIME. IF
7 YOU HAVE A GOOD IDEA FOR A CLINICAL STAGE PRODUCT
8 RIGHT NOW AND YOU WANT TO SAY, YOUR WINDOW OF WHEN
9 YOU'LL BE ABLE TO APPLY TO US FOR THAT IS SOMEWHERE
10 BETWEEN 9 TO 15 MONTHS OF WAITING. SO THAT'S A
11 PRETTY LONG WAIT.

12 ONCE YOU APPLY TO US, IT WILL TAKE US
13 SOMEWHERE BETWEEN FIVE TO SEVEN MONTHS TO CONDUCT
14 THAT REVIEW WITH ALL THESE DIFFERENT STEPS THAT I
15 TALKED ABOUT. HERE'S ANOTHER SURPRISING ONE.
16 CONTRACTING AT THIS STAGE TAKES BETWEEN FIVE TO SEVEN
17 MONTHS. SO TO WORK OUT ALL THOSE DIFFERENT DETAILS
18 IS A LOT OF TIME. THE PROBLEM IS WHEN YOU PUT ALL
19 THAT TOGETHER, IF YOU HAVE A GOOD IDEA OF A PRODUCT
20 THAT'S READY TO GO INTO A CLINICAL TRIAL, RIGHT NOW
21 IT'S TAKING SOMEWHERE BETWEEN 19 TO 29 MONTHS IN
22 ORDER TO ACTUALLY COME UP WITH AN APPROVED AND
23 CONTRACTED FUNDING DECISION ON THAT. THAT'S AN
24 OPPORTUNITY FOR US. THAT IS CLEARLY AN OPPORTUNITY
25 FOR US.

BARRISTERS' REPORTING SERVICE

1 THE NEXT ASPECT OF THIS IS OUR GRANTS TEND
2 TO WORK OUT OVER FOUR YEARS. THERE'S ANOTHER
3 OPPORTUNITY THERE BECAUSE THAT'S AN ASSUMPTION THAT
4 WHATEVER IT IS WOULD TAKE ABOUT FOUR YEARS. MOST
5 CLINICAL TRIALS, PARTICULARLY PHASE I CLINICAL
6 TRIALS, DON'T TAKE FOUR YEARS. SO THE AVERAGE IS
7 ACTUALLY SOMETHING LIKE 19 MONTHS. SO THERE'S
8 PROBABLY SOME OPPORTUNITY TO PICK UP THERE.

9 SO I'LL JUST END -- WELL, ACTUALLY THIS IS
10 A PENULTIMATE SLIDE WITH THE OPPORTUNITIES THAT WE
11 HAVE AS WE LOOK AT THIS. SO WE HAVE OPPORTUNITIES
12 FOR MORE FREQUENT APPLICATION REQUESTS. RIGHT NOW
13 WE'RE TAKING THEM, AGAIN, AS I SAID, SOMEWHERE
14 BETWEEN 9 TO 15 MONTHS. WE HAVE OPPORTUNITIES TO
15 SHORTEN OUR REVIEW TIME. IF YOU THINK ABOUT THE
16 IMPACT THAT WOULD HAVE ON A NUMBER OF DIFFERENT
17 THINGS, IF YOU'RE A COMPANY THAT'S CONTEMPLATING
18 CONDUCTING A CLINICAL TRIAL AND YOU'RE LOOKING AT
19 THIS CYCLE TIME OF SAYING THIS IS GOING TO TAKE ME 20
20 MONTHS OR SO IN ORDER TO GET A FUNDING DECISION FROM
21 CIRM, MOST SMALL COMPANIES CAN'T WAIT 20 MONTHS FOR A
22 FUNDING DECISION. THAT IDEA IS GOING TO GET FUNDED
23 BY SOMEONE ELSE OR THAT IDEA IS NOT GOING TO BE
24 ACCEPTABLE.

25 BUT IF YOU THINK ABOUT THE FLIP SIDE OF

BARRISTERS' REPORTING SERVICE

1 THAT, IT'S EVEN SCARIER, WHICH IS WHAT IF THAT IS THE
2 PROGRAM THAT GOES ON AND IS SUCCESSFUL AND WORKS AND
3 EVENTUALLY GETS APPROVED AND GETS TO PATIENTS? THAT
4 22 MONTHS OR HOWEVER LONG IT IS IS A DIRECT DELAY ON
5 THE BACK END OF THAT PROCESS. SO THAT MEANS THIS
6 PROGRAM IS GETTING TO PATIENTS 22 MONTHS LATER THAN
7 IT OTHERWISE COULD HAVE. AND SO THAT FOR US IN THE
8 WORLD I COME FROM, PEDIATRIC GRAFT VERSUS HOST
9 DISEASE, THAT'S ABOUT 700 KIDS DEAD. SO THAT FOR ME
10 IS PLENTY OF MOTIVATION AND A REAL OPPORTUNITY FOR US
11 TO SAY HOW DO WE BUILD A BETTER PRODUCT. I MEAN IT'S
12 KIND OF INTERESTING. WE THINK ABOUT CIRM AND CIRM IS
13 ESSENTIALLY THE MONEY STORE FOR STEM CELL ACTIVITIES.
14 WHAT COULD BE WRONG WITH A PRODUCT IF YOU'RE THE
15 MONEY STORE, BUT WE HAVE TO FIND WAYS TO BUILD A
16 BETTER PRODUCT, AND THAT'S WHAT WE'RE LOOKING AT HERE
17 WITH THIS.

18 WE ALSO HAVE TO FIND WAYS OF STRUCTURING
19 AGREEMENTS THAT DRIVE THE BEHAVIOR WE WANT,
20 MILESTONES THAT ACTUALLY DRIVE PEOPLE TO TRY TO
21 EXCEED THEIR TIMELINES OR BEAT THEIR TIMELINES AND
22 GET THINGS TO PATIENTS FASTER. I THINK WE CAN
23 IMPROVE ON OUR SUCCESS CRITERIA.

24 AND THEN LASTLY, THE ACCELERATING ACTIVITY.
25 SO WE DO A GOOD JOB WITH CDAP RIGHT NOW. HOW DO WE

BARRISTERS' REPORTING SERVICE

1 DO THAT BETTER? HOW CAN WE INTERACT WITH COMPANIES
2 AND WITH ACADEMIC INSTITUTIONS BETTER TO HELP THEM
3 OUT IN THE THINGS THAT THEY MAY NOT HAVE AS MUCH
4 EXPERTISE IN? GOING WITH THEM TO FDA MEETINGS,
5 HELPING THEM THROUGH THAT, HELPING THEM WITH, AS J.T.
6 WAS TALKING ABOUT, BUSINESS DEVELOPMENTS ACTIVITIES
7 WHICH MAY NOT BE IN THEIR BAILIWICK. ANYTHING WE CAN
8 DO. MY VIEW HERE IS ANYTHING WE CAN DO TO TAKE THESE
9 PROGRAMS AND DRAG THEM ACROSS THE GOAL LINE IS THE
10 KINDS OF THINGS THAT WE SHOULD BE DOING BECAUSE, AT
11 THE END OF THE DAY, OUR MISSION IS TO BRING THESE
12 TREATMENTS TO PATIENTS.

13 THEN THE LAST OPPORTUNITY I THINK ON HERE
14 IS SEAMLESS TRANSITIONS SO THAT WHEN AN ACTIVITY IS
15 COMPLETED, A PHASE OF ACTIVITY THAT CIRM IS FUNDING
16 IS COMPLETED, THEY DON'T HAVE TO WONDER WHETHER OR
17 NOT THEY'RE ELIGIBLE FOR FUNDING OR IF THERE'S AN RFA
18 CYCLE, BUT THEY CAN MOVE JUST DIRECTLY AND SEAMLESSLY
19 INTO THE NEXT AREA.

20 SO THIS IS THE CONCEPT BEHIND CIRM 2.0.
21 IT'S NOT FULLY WORKED OUT YET. WE'RE GOING TO BE
22 DOING THAT OVER TIME. THIS IS SORT OF THE SCHEDULED
23 ROLLOUT PLAN FOR THIS. SO NOW THROUGH OCTOBER WE'RE
24 GOING TO BE MEETING, WE HAVE BEEN MEETING, WE'RE
25 GOING TO CONTINUE MEETING WITH VARIOUS STAKEHOLDERS

BARRISTERS' REPORTING SERVICE

1 ABOUT THIS PROCESS. WE'RE GOING TO BE REFINING
2 WORKING IDEAS ON HOW DO WE MAKE THIS BETTER. WE'RE
3 GOING TO BE TESTING THINGS TO SEE WHETHER OR NOT OUR
4 ASSUMPTIONS HOLD TRUE. ASSUMPTIONS ARE A BIG POINT
5 HERE. WE'RE ALSO GOING TO BE HOLDING A MEETING WITH
6 THE SCIENTIFIC SUBCOMMITTEE BECAUSE WE HAVE TO MAKE
7 SURE THAT THEY'RE ON BOARD AND THE BOARD IS OKAY WITH
8 THIS PROCESS AS WE GO FORWARD.

9 THEN THE IDEA WOULD BE AT THE OCTOBER BOARD
10 MEETING WE'LL COME BACK TO YOU WITH A CONCEPT PLAN
11 FOR WHAT CIRM 2.0 ACTUALLY LOOKS LIKE AND BRING THAT
12 TO YOU FOR YOUR CONSIDERATION. AND THEN AT THE
13 DECEMBER BOARD MEETING, IF ALL IS GOING WELL, WE'LL
14 BE ADOPTING THE NECESSARY POLICIES AND PROCEDURE
15 MODIFICATIONS THAT WE DO TO MAKE THIS A REALITY
16 BECAUSE THERE IS A LOT OF PROCEDURAL RAMIFICATIONS TO
17 THESE KINDS OF CHANGES. THE ULTIMATE GOAL HERE,
18 THEN, WOULD BE FOR A JANUARY 1ST LAUNCH OF CIRM 2.0.

19 SO THAT'S ACTUALLY ALL I HAVE TODAY; BUT,
20 AGAIN, ANY QUESTIONS I'D BE MORE THAN HAPPY TO TAKE.

21 CHAIRMAN THOMAS: RANDY, I THINK IT WOULD
22 BE INTERESTING FOR THE BOARD TO HEAR A LITTLE BIT
23 MORE ABOUT THE PROCESS YOU HAD INTERNALLY IN
24 DEVELOPING THE CIRM 2.0 AND THE INCLUSION OF
25 EVERYBODY ON THE TEAM, ETC.

BARRISTERS' REPORTING SERVICE

1 DR. MILLS: YEAH. SO THIS HAS ACTUALLY
2 BEEN -- THIS HAS BEEN A GREAT WAY FOR ME TO GET TO
3 KNOW THE PEOPLE AT CIRM. SO WHEN I SAY TO YOU THE
4 CIRM TEAM IS ONE OF THE MOST TALENTED I'VE EVER MET,
5 IT'S NOT BECAUSE I SEE THEM PASS IN THE HALLWAY.
6 WHAT WE DECIDED TO DO WITH CIRM 2.0 IS HOLD BASICALLY
7 SMALL GROUP MEETINGS OF PEOPLE AND GO THROUGH THIS
8 PROCESS WITH THEM AND SAY, OKAY, WHAT DO YOU THINK
9 ABOUT THIS? IF YOU KNEW NOTHING ABOUT THE WAY CIRM
10 OPERATED TODAY, HOW WOULD YOU DO THIS IF YOU WERE
11 STARTING FROM NEW? AND GET EVERYONE'S INPUT. AND I
12 MEAN EVERYONE'S INPUT, RECEPTIONIST, PR PEOPLE,
13 SCIENTIFIC OFFICERS. EVERYONE LITERALLY IN THE
14 ORGANIZATION IS PARTICIPATING IN THE CONSTRUCTION OF
15 CIRM 2.0 AND IN DIVERSE GROUPS.

16 SO WE INTENTIONALLY DON'T PICK ALL THE
17 SCIENCE OFFICERS IN ONE MEETING AND PR PEOPLE IN
18 ANOTHER MEETING. IT'S INTENTIONALLY MIXED UP. AND
19 THE RESULTS OF THAT HAVE BEEN REMARKABLE. YOU GET
20 VERY INTERESTING OUTSIDE-OF-THE-BOX IDEAS AND
21 CONCEPTS AND ENGAGING. SO WHEN I TELL YOU THEY'RE
22 ONE OF THE MOST TALENTED TEAMS I'VE EVER SEEN, IT'S
23 BECAUSE, IN AN INDIVIDUAL SMALL GROUP BASIS, I AM
24 WATCHING THEM PERFORM AND I AM WATCHING THEM THINK IN
25 WAYS THAT ARE COMPLETELY RESPONSIVE TO OUR MISSION,

BARRISTERS' REPORTING SERVICE

1 WHICH, AGAIN, IS ABOUT ACCELERATING THESE STEM CELL
2 THERAPIES TO PATIENTS AND NOT HOLDING ONTO LEGACY
3 POLICIES AND PRACTICES.

4 SO I DON'T KNOW IF THAT HELPED.

5 MS. LANSING: THIS IS SHERRY. I JUST WANT
6 TO SAY THANK YOU BECAUSE THIS IS NOT A REFLECTION ON
7 THE PAST. WE'RE AT A NEW POINT. AND I THINK THAT
8 THE VISION THAT YOU'RE PRESENTING AND THE LEADERSHIP
9 THAT YOU'RE PRESENTING, REPRESENTING THE WHOLE TEAM,
10 IS CLEAR AND I THINK CORRECT. AND I JUST WANT TO
11 THANK YOU FOR THIS. IT WAS A REALLY GREAT
12 PRESENTATION.

13 DR. MILLS: THANK YOU.

14 DR. LUBIN: THIS IS BERT LUBIN FROM
15 CHILDREN'S OR UCSF BENIOFF CHILDREN'S OAKLAND. I'M
16 LEARNING. IT TAKES A LITTLE WHILE. BUT THE ISSUE OF
17 INDIVIDUAL TRAINING OPPORTUNITIES AND THE PORTFOLIO
18 WE'VE HAD FOR BASIC SCIENCE, I DIDN'T HEAR THAT AT
19 ALL IN THIS DISCUSSION. MAYBE COULD YOU ELABORATE ON
20 THAT?

21 DR. MILLS: I'M ACTUALLY GLAD YOU ASKED IT.
22 THE REASON I DIDN'T TALK ABOUT IT IN REGARDS TO THE
23 CIRM 2.0, I ALLUDED TO IT AT THE BEGINNING, IS WE
24 NEEDED TO PICK A PART OF THE SPECTRUM TO START WITH
25 ON DEVELOPING THE PROCESS. BUT THE POINT OF IT IS

BARRISTERS' REPORTING SERVICE

1 FIGURE OUT A NEW OPERATING SYSTEM AND THEN APPLY THAT
2 ACROSS ALL OF OUR PROGRAMS. I WANT ALL OF OUR
3 PROGRAMS TO BE AS EFFICIENT AND AS EFFECTIVE AS THEY
4 CAN BE.

5 SO NOT HEARING ABOUT IT ISN'T A REFLECTION
6 ON OUR COMMITMENT TOWARDS THOSE PROGRAMS. IT'S A
7 REFLECTION JUST SIMPLY ON WE HAD TO PICK A PLACE TO
8 START, AND SO THAT'S WHERE WE STARTED.

9 WITH REGARDS TO THINGS LIKE OUR TRAINING
10 PROGRAMS AND OUR BASIC BIOLOGY PROGRAMS, THERE IS
11 NOTHING GOING ON AT CIRM THAT'S ELIMINATING THOSE
12 PROGRAMS. WE ARE TAKING A FRESH LOOK AT THOSE
13 PROGRAMS TO SEE HOW WE CAN MAKE THEM BETTER AND,
14 FRANKLY, HOW WE CAN MAKE THEM MORE RESPONSIVE TO THE
15 ONE, TWO, THREE, FOUR CRITERIA. AND IT'S INTERESTING
16 WHEN YOU ASK THAT QUESTION, HOW CAN WE MAKE THESE
17 PROGRAMS MORE RESPONSIVE TO THE ONE, TWO, THREE, FOUR
18 CRITERIA, THE CREATIVE IDEAS THAT COME UP THAT
19 ENHANCE THE PROGRAMS. SO I DON'T WANT TO LET TOO
20 MUCH OUT OF THE BAG ON WHAT'S GOING ON WITH THOSE,
21 BUT LOOK FORWARD TO SOME VERY INTERESTING THINGS
22 GOING FORWARD. THOSE PROGRAMS ARE NOT GOING AWAY.

23 DR. LUBIN: AND WILL THEY BE INCLUDED IN
24 YOUR DISCUSSIONS AT FUTURE MEETINGS THAT YOU ALLUDED
25 TO?

BARRISTERS' REPORTING SERVICE

1 DR. MILLS: YES. SO THEY WILL BE, BUT,
2 AGAIN, THE FIRST ROLLOUT OF THE CIRM 2.0 IS A PROCESS
3 CENTERING AROUND THE CLINICAL STAGE, AND THEN IT WILL
4 ROLL INTO THOSE. BUT THE REALLY CLEAR POINT IS,
5 WHICH I THINK IS WHAT YOU'RE ALLUDING TO, IS THOSE
6 PROGRAMS ARE NOT GOING AWAY.

7 CHAIRMAN THOMAS: MR. PANETTA.

8 MR. PANETTA: THANK YOU, MR. CHAIRMAN. I
9 CAN'T ARTICULATE ANY BETTER, RANDY, WHAT SHERRY SAID
10 ABOUT THE LEADERSHIP THAT YOU'RE SHOWING HERE. AND I
11 THINK, IN ADDITION, I THINK AS WE MOVE INTO THE
12 TRANSLATIONAL PHASES, AND TO CHAIRMAN'S POINTS ABOUT
13 WORKING MORE CLOSELY WITH THE PHARMA COMPANIES AND
14 THE BIOTECH COMPANIES, OUR OUTSIDE EXPERIENCE, I'M
15 SURE, IS GOING TO REALLY PLAY A HUGE ROLE IN LEADING
16 US MORE IN THAT DIRECTION. AND THAT GOES TO MY
17 QUESTION REALLY.

18 I WAS STRUCK BY YOUR COMMENT THAT YOU HAVE
19 A CONCERN THAT WE MIGHT NOT SEE THE QUALITY, THE HIGH
20 QUALITY APPLICATIONS THAT YOU WANT TO SEE IN THE
21 FUTURE AND THE FACT THAT I THINK YOU SAID ABOUT \$1.9
22 BILLION HAS BEEN SPENT THUS FAR IN THE GRANT FUNDING
23 PROCESS. SO I WONDER IF YOU MIGHT COMMENT ON THE
24 QUALITY ASPECT BECAUSE I THINK ONE OF OUR
25 EXPECTATIONS WAS THAT IN SPENDING \$1.9 BILLION IN

BARRISTERS' REPORTING SERVICE

1 GRANT FUNDING, THAT WE WOULD HOPEFULLY MOVE INTO A
2 TRANSLATIONAL PHASE WHERE WE WOULD SEE THESE HIGH
3 QUALITY APPLICATIONS COMING IN. SO IF YOU COULD
4 EXPAND A LITTLE BIT ON WHAT THAT SITUATION IS AND
5 WHAT YOUR CONCERNS ARE.

6 DR. MILLS: SURE. SO THE PARTICULAR ASPECT
7 I WAS TALKING ABOUT THERE, A LARGE DRIVER OF OUR
8 SPEND ARE THOSE CLINICAL STAGE PROGRAMS. SO AT
9 SOMEWHERE BETWEEN 10 TO \$20 MILLION IN AWARD, THOSE
10 ARE VERY LARGE DRIVERS OF OUR BURN RATE OUT OF THAT
11 AWARD BUCKET AS A REVIEWER. SO THIS IS PRE ME COMING
12 TO CIRM. WE WOULD GO THROUGH THESE REVIEW MEETINGS
13 AND, AS YOU GUYS WOULD SEE, WE WOULD GO THROUGH AND
14 HAVE -- WE MIGHT REVIEW 15 OR 20 APPLICATIONS AND WE
15 ONLY END UP GIVING AWARDBLE SCORES TO THREE OR FOUR,
16 AND THAT'S NOT BECAUSE WE HAD ANY INTEREST IN NOT
17 GIVING GOOD SCORES. THERE WERE JUST THREE OR FOUR
18 THAT DESERVED, BY MERIT, FUNDABLE SCORES. THAT'S MY
19 CONCERN. I WOULD SAY THAT'S MY GOAL IS HOW DO WE
20 DRIVE UP AND INCREASE THE NUMBER OF PROGRAMS COMING
21 IN THAT WARRANT GIVING A FUNDABLE SCORE TO.

22 I THINK, AND THIS GOES BACK TO J.T.'S
23 POINT, AS I GO OUT AND I TALK TO DIFFERENT
24 STAKEHOLDERS IN OTHER AREAS, NOT JUST IN COMPANIES,
25 BUT OTHER AREAS, CIRM IS NOT AS WIDELY KNOWN OR IF IT

BARRISTERS' REPORTING SERVICE

1 IS KNOWN, NOT NEARLY UNDERSTOOD WELL ENOUGH TO BE
2 FULLY UTILIZED. AND THAT IS A REAL OPPORTUNITY. SO
3 AS I SAY, I'M CONCERNED ABOUT NOT GETTING ENOUGH
4 QUALITY. IT'S NOT THAT THE PROGRAMS THAT WE FUNDED
5 AREN'T MOVING THROUGH WELL. IT'S THAT WE'LL NEED
6 MORE THAN THAT, I THINK, IN ORDER TO KEEP THE ENGINE
7 RUNNING AT THE SPEED WE WANT IT TO RUN. AND WE'RE
8 MISSING AN OPPORTUNITY RIGHT NOW BECAUSE THERE'S JUST
9 A LOT OF MISINFORMATION ABOUT WHAT CIRM IS AND WHAT
10 CIRM ISN'T.

11 AND THAT'S PART OF IF WE HAVE A GOOD CIRM
12 2.0 INITIATIVE, AND ACTUALLY ONE OF THE THINGS I'VE
13 TALKED WITH SOME BOARD MEMBERS ABOUT AND I'M GOING TO
14 ASK YOU ALL AS IT ROLLS OUT IS TO HELP SPREAD THE
15 WORD. THAT WILL BE A VERY IMPORTANT PART. IF WE
16 BUILD A BETTER PRODUCT IN CIRM 2.0, THE NEXT STEP
17 WILL BE MARKETING THAT PRODUCT AND GETTING THE WORD
18 OUT AND ELIMINATING THE MISCONCEPTION SO WE DO HAVE
19 MORE HIGH QUALITY APPLICATIONS COMING INTO THE
20 SYSTEM.

21 DR. BOXER: THANKS. ACTUALLY MY QUESTION
22 WAS ALSO RELATED TO THAT, AND I THINK YOU'VE ANSWERED
23 A LOT OF IT. BUT I GUESS JUST TO CLARIFY A COUPLE OF
24 THINGS. SO AS I UNDERSTAND IT, OBVIOUSLY CIRM HAS
25 FUNDED HIGH QUALITY PROJECTS.

BARRISTERS' REPORTING SERVICE

1 DR. MILLS: ABSOLUTELY.

2 DR. BOXER: I DON'T THINK ANYONE DISAGREES
3 WITH THAT. PERHAPS SOME OF THEM AREN'T PROGRESSING
4 AS QUICKLY, AND THAT'S DIFFICULT TO PREDICT, BUT
5 YOU'RE ALSO SAYING IT WOULD BE GOOD TO GET MORE HIGH
6 QUALITY PROJECTS THAT ARE ESSENTIALLY READY FOR THE
7 CLINICAL TRIAL STAGE. IS THAT --

8 DR. MILLS: YEAH. THE MORE HIGH QUALITY
9 PROJECTS COME, AND CLEARLY I DID NOT ARTICULATE THIS
10 WELL, IS NOT A REFLECTION ON THE PROGRAMS WE HAVE.
11 IT'S HOW DO WE CONTINUE TO FEED THAT PIPELINE. AND I
12 SAY THAT IF YOU LOOK AT OUR APPLICATIONS OVER TIME,
13 THEY'RE DROPPING. SO WHEN WE DID SOME OF THE EARLIER
14 CLINICAL STAGE AWARDS, WE WOULD HAVE 15 OR 17. SOME
15 OF THOSE EARLY ONES I REMEMBER THERE BEING LOTS OF
16 APPLICATIONS. WE'D GO TO REVIEWS FOR A FEW DAYS.
17 NOW THREE MIGHT COME IN AT A PARTICULAR CALL. THAT'S
18 WHAT I'M TALKING ABOUT AS CONCERNING ME IS THE
19 APPLICATIONS AREN'T COMING. IT'S NOT A REFLECTION OF
20 THE WORK THAT'S GOING ON. IT'S NOT A REFLECTION OF
21 WHAT'S GOING THROUGH THE PIPELINE. BUT I WOULD LIKE
22 TO KEEP THAT CYCLE GOING AND ATTRACT MORE BECAUSE
23 THERE IS STEM CELL WORK GOING ON OUT THERE.

24 DR. BOXER: SO YOUR VIEW IS THAT THERE ARE
25 POTENTIALLY MORE AREAS, MORE PROJECTS THAT ARE READY

BARRISTERS' REPORTING SERVICE

1 FOR THIS PHASE THAT WE SORT OF COULD POTENTIALLY --

2 DR. MILLS: WITHOUT QUESTION.

3 DR. BOXER: -- BE FUNDING.

4 DR. MILLS: WITHOUT QUESTION.

5 DR. BOXER: OKAY. THANKS. THAT'S HELPFUL.

6 CHAIRMAN THOMAS: DIANE.

7 MS. WINOKUR: WHAT ABOUT COLLABORATIONS?

8 THERE ARE ANY NUMBER OF ORGANIZATIONS ACROSS THE
9 COUNTRY THAT ARE FUNDING STEM CELL RESEARCH AT A MUCH
10 LOWER RATE, AND IT MAKES IT TAKE EVER SO MUCH LONGER
11 AND THEY ARE FUNDING SOME CALIFORNIA RESEARCHERS. SO
12 THEY HAVE IDENTIFIED PROJECTS AND THEY ARE PARTIALLY
13 FUNDING THEM. IF WE COLLABORATED WITH THEM WITH OUR
14 GREATER STRENGTH AND OUR GREATER FUNDING, PERHAPS WE
15 WOULD GET IN PROJECTS THAT WE AREN'T GETTING
16 APPLICATIONS FROM.

17 DR. MILLS: ABSOLUTELY. AND I THINK THE
18 QUESTION, THEN, IS SO WHY AREN'T THEY. WHY AREN'T WE
19 GETTING THOSE IN?

20 MS. WINOKUR: THAT IS.

21 DR. MILLS: AND I THINK THIS GOES BACK TO
22 AN AWARENESS ISSUE. WE HAVE A GOOD PRODUCT. WE DO
23 NEED TO MAKE IT MORE WIDELY UNDERSTOOD AND MORE
24 CORRECTLY UNDERSTOOD. AND AS I'VE GONE OUT AND I'VE
25 TALKED TO PEOPLE, THE PEOPLE THAT YOU WOULD THINK

BARRISTERS' REPORTING SERVICE

1 WOULD BE INTERESTED IN THIS KIND OF THING, A LOT OF
2 THEM ARE JUST RUNNING OFF OF MISPERCEPTIONS ABOUT
3 WHAT THEY THINK ABOUT CIRM. AND SO IT'S ALL AN
4 OPPORTUNITY FOR US TO CORRECT IT.

5 MS. WINOKUR: WELL, I WAS THINKING THAT
6 SOME KIND OF AWARENESS GROWING AMONG THE
7 ORGANIZATIONS THAT ARE FUNDING SOME OF THESE GOOD
8 PROJECTS, BUT AT A MUCH LOWER RATE, WOULD BE A GOOD
9 WAY TO INCREASE IT.

10 DR. MILLS: ABSOLUTELY. ABSOLUTELY.

11 CHAIRMAN THOMAS: I THINK, DIANE, I'LL JUST
12 ADD ON THAT. THAT ALL GETS TO SORT OF THE NOTION
13 THAT WE'VE BANDIED ABOUT FROM TIME TO TIME OF
14 LEVERAGING OUR FUNDS. AND WE'VE HAD INTERNAL
15 DISCUSSIONS ABOUT HOW WE REALLY NEED TO REACH OUT IN
16 A MUCH MORE COMPREHENSIVE WAY TO THE DISEASE
17 FOUNDATIONS, FOR EXAMPLE, THAT ARE DOING THE SORT OF
18 WORK THAT YOU'RE SAYING TO TRY TO BRING THEM INTO
19 THIS CONSORTIUM OF FUNDING GROUPS THAT WE'RE TRYING
20 TO PUT TOGETHER FOR OUR PROJECTS. SO THAT'S
21 SOMETHING WE'RE VERY INTENT ON IMPROVING ON, AND IT'S
22 A GREAT POINT. THANK YOU.

23 MS. WINOKUR: THANK YOU.

24 CHAIRMAN THOMAS: DR. FINE.

25 DR. FINE: I WONDER WHETHER THE PERCEIVED

BARRISTERS' REPORTING SERVICE

1 FALL-OFF IN READY-FOR-PRIME-TIME STUDIES IS RELATED
2 TO SOMETHING THAT, IN FACT, CIRM DOESN'T HAVE ANY
3 CONTROL OVER. THAT'S THE DIMINISHING AND STILL NOT
4 RESTORED FUNDING FOR THE PRECLINICAL STAGES OF
5 PROJECTS THAT CAN ONLY BECOME READY FOR CLINICAL
6 APPLICATION WHEN ALL THE BASIC WORK HAS BEEN DONE.
7 AND THE CURRENT EXPERIENCE STILL IS THAT FEDERAL
8 FUNDING IS NOWHERE NEAR WHERE IT SHOULD BE TO ALLOW
9 THAT PHASE TO BE FUNDED. AND EVEN IF THERE IS
10 FUNDING, THOSE PARTICULAR TYPE OF STUDIES ARE NOT
11 DOING WELL AT STUDY SECTIONS.

12 DR. MILLS: YEAH. AND SO THAT GOES BACK TO
13 THE OTHER COMMENT WE MADE IS WE ARE GOING TO BE
14 CONTINUING OUR EARLIER STAGE FUNDING AS WELL. I WILL
15 ALSO SAY THERE ARE ALSO OTHER TECHNOLOGIES OUT THERE
16 THAT ARE LITERALLY IN A HOLDING PATTERN RIGHT NOW
17 BECAUSE THEY BELIEVE FUNDING IS NOT AVAILABLE TO
18 THEM, AND THAT'S SOMETHING WE CAN FIX.

19 DR. BRENNER: I THINK SEVERAL OF US HAVE
20 ALLUDED TO THIS IN THIS DISCUSSION. BUT I THINK
21 THERE'S A PHILOSOPHICAL ISSUE THAT THE BOARD NEEDS TO
22 ADDRESS. AND THAT IS SHOULD WE NOW BE SWITCHING
23 GEARS -- YOU AND I TALKED ABOUT THIS -- AND MORE
24 EMPHASIZE CLINICAL TRIALS AND LESS BASIC SCIENCE, OR
25 SHOULD WE KEEP GOING AS WE'RE DOING. AND THE

BARRISTERS' REPORTING SERVICE

1 QUESTION IS HAS CIRM EVOLVED OVER OUR LIFETIME THAT
2 WHEN INITIALLY WE SPENT ALL OUR FUNDING ON TRAINING,
3 BASIC RESEARCH, AND NOW DO WE HAVE ENOUGH THINGS
4 READY TO GO INTO CLINICAL TRIALS. IS THAT THE
5 DELIVERABLE WE WANT TO MAKE IN THE NEXT COUPLE YEARS,
6 OR SHOULD WE CONTINUE OUR PRESENT WAY OF
7 MULTITASKING, DOING A LOT OF DIFFERENT THINGS? I
8 THINK THAT WILL REFLECT IN YOUR BUDGET. IF WE CHANGE
9 DRAMATICALLY TO MORE CLINICAL TRIALS, THOSE ARE MUCH
10 MORE EXPENSIVE THAN THE FUNDAMENTAL RESEARCH THAT WE
11 KIND OF ARE COMFORTABLE WITH AND KNOW HOW TO DO AND
12 WE KNOW HOW TO PACE OURSELVES FOR IT.

13 DR. MILLS: THEY ARE MORE EXPENSIVE. AS I
14 SAY, THERE'S JUST NOT A VOLUME OF THEM RIGHT NOW
15 COMING IN. I DO THINK IT IS A GOOD TOPIC FOR THE
16 BOARD TO TAKE UP AND DISCUSS AND BUILD CONSENSUS
17 AROUND, AND WE WILL FOLLOW THAT LEAD. MY OWN THOUGHT
18 ON THIS, HAVING TAKEN A PRODUCT FROM PRECLINICAL ALL
19 THE WAY THROUGH PHASE IV AND AN APPROVAL, IS THERE
20 ISN'T A DROP-OFF IN BASIC BIOLOGY AS IT GOES ON.
21 IT'S SORT OF A MISCONCEPTION THAT YOU DO ALL THIS
22 PRECLINICAL WORK AND THEN YOU GET INTO THE CLINIC AND
23 THE PRECLINICAL WORK'S OVER. I CAN TELL YOU WE DID
24 MORE WORK IN PHASE III AND PHASE IV PRECLINICALLY,
25 MORE BASIC BIOLOGY LABORATORY WORK, THAN WE DID

BARRISTERS' REPORTING SERVICE

1 PRE-IND.

2 SO THE CONCEPT OF TURNING THAT ENGINE OFF I
3 THINK WOULD BE A CATASTROPHICALLY BAD MISTAKE.

4 DR. BRENNER: I AGREE COMPLETELY. BUT I
5 THINK THE POINT IS THAT THE REVERSE ISN'T TRUE, THAT
6 YOU CAN SPEND A LOT OF TIME DOING BASIC RESEARCH AND
7 NOT PUSH IT INTO CLINICAL RESEARCH. THAT'S WHAT MOST
8 OF US DO FOR OUR WHOLE LIVES. THAT'S WHAT THE NIH IS
9 BASED UPON. SO THAT WAS THE PHILOSOPHICAL DECISION.
10 WE CAN CONTINUE DOING MORE BASIC RESEARCH, OR WE
11 COULD USE THE CLINICAL RESEARCH WE'RE DOING TO GET
12 MORE INSIGHTS, WHICH IS SORT OF A CHANGE IN OUR
13 PHILOSOPHY, WHAT YOU JUST SAID, WHICH I AGREE WITH
14 COMPLETELY.

15 DR. MILLS: OKAY.

16 CHAIRMAN THOMAS: OTHER COMMENTS? RANDY,
17 ONE OTHER QUESTION AS PERTAINS TO THESE SMALL GROUP
18 DISCUSSIONS YOU'VE BEEN HAVING. I THINK THE BOARD
19 WOULD BE INTERESTED IN HEARING HOW THAT'S, SINCE THEY
20 NEVER GET TO HEAR ABOUT THIS SORT OF THING, IMPACTING
21 THE CULTURE INTERNALLY AND EMPOWERMENT AND ALL THAT
22 SORT OF THING.

23 DR. MILLS: YEAH. SO I THINK IN GENERAL
24 WHEN YOU HAVE A TALENTED GROUP OF PEOPLE, LISTENING
25 TO THEM IS A PRETTY GOOD IDEA BECAUSE YOU'RE GOING TO

BARRISTERS' REPORTING SERVICE

1 COME UP WITH IDEAS. I THINK THE OTHER THING WE NEED
2 TO BE A LITTLE BIT OKAY WITH IS, AND WHEN YOU DO
3 THAT, THERE'S GOING TO BE SOME MISTAKES, BUT THAT
4 CREATES AN OPPORTUNITY FOR GROWTH WITHIN THE
5 ORGANIZATION. I AM OKAY HAVING THERE BE SOME
6 MISTAKES. I'M NOT OKAY WITH THERE BEING CATASTROPHIC
7 MISTAKES, BUT SOME MISTAKES IS GOOD. WHEN YOU DO
8 THAT, YOU'RE CLEARLY THEN PLACING TRUST IN PEOPLE.
9 WHEN YOU PLACE TRUST IN PEOPLE, YOU TEND TO GET -- IT
10 TENDS TO PAY A PRETTY GOOD DIVIDEND. AND I THINK
11 THAT'S THE CULTURAL ASPECT THAT J.T. IS REFERRING TO
12 AS WE ARE TRUSTING THEM, WE'RE EXPECTING THEM TO
13 DELIVER, AND WE'RE GOING TO BE BEHIND THEM WHEN THEY
14 DELIVER THEIR RESULTS. AND YOU JUST TEND TO GET MORE
15 OUT OF AN ORGANIZATION THAT WAY.

16 CHAIRMAN THOMAS: OKAY. ANY OTHER COMMENTS
17 OR QUESTIONS FOR DR. MILLS? THANK YOU VERY MUCH.

18 PART 2 OF THE PRESIDENT'S REPORT IS THE
19 FINANCE UPDATE, AND CHILA WILL GIVE THAT TO THE BOARD
20 NOW. THANK YOU.

21 MS. SILVA-MARTIN: GOOD MORNING, MR. CHAIR,
22 MEMBERS OF THE BOARD. TODAY I WILL BE REPORTING ON
23 THE FINAL EXPENDITURES FOR THE '13-'14 FISCAL YEAR AS
24 WELL AS PROVIDING YOU WITH A CURRENT REPORT ON OUR
25 CURRENT FINANCIAL STATUS.

BARRISTERS' REPORTING SERVICE

1 I DO WANT TO SAY THAT WE COMPLETED THE
2 '13-'14 FISCAL YEAR ON TIME AND WITHIN BUDGET, AND WE
3 ARE NOW RIGHT IN THE MIDDLE OF THE FINANCIAL AUDIT,
4 AND THAT AUDIT IS SCHEDULED TO BE SUBMITTED TO THE
5 STATE CONTROLLER'S OFFICE ON OCTOBER 15TH.

6 SO NOW LOOKING AT OUR ACTUAL EXPENDITURES
7 AGAINST WHAT WAS BUDGETED FOR THE '13-'14 FISCAL
8 YEAR. AS YOU CAN SEE, WE WERE BUDGETED A TOTAL OF
9 \$17.4 MILLION, AND OUR ACTUALS CAME IN AT 15.2 WITH
10 AND UNDERRUN OF ABOUT \$2.2 MILLION. AND REALLY THERE
11 ARE THREE KEY DRIVERS AFFECTING THAT UNDERRUN.

12 FIRST OF ALL, WE HAD POSITIONS THAT WE HAD
13 BUDGETED FOR DURING THE '13-'14 FISCAL YEAR THAT WERE
14 NEVER FILLED. AS A MATTER OF FACT, WE ELIMINATED
15 THOSE POSITIONS IN THE '14-'15 BUDGET.

16 WE ALSO HAD SCHEDULED FUNDS FOR REVIEWS,
17 AND WE ACTUALLY POSTPONED TWO REVIEWS THAT DID NOT
18 MATERIALIZE.

19 AND THEN FINALLY, WE HAD SOME EXTERNAL
20 SERVICES FUNDS SET ASIDE FOR CONTINGENCY ITEMS THAT
21 DID NOT MATERIALIZE OR THEY CAME IN AT LOWER THAN
22 WHAT WE HAD ALLOCATED. SO THAT REALLY IS WHAT MAKES
23 UP THE VARIANCE OF \$2.2 MILLION.

24 SO NOW LOOKING AT OUR ACTUALS YEAR OVER
25 YEAR, AS YOU CAN SEE, FOR THE '13-'14 FISCAL YEAR,

BARRISTERS' REPORTING SERVICE

1 OUR EXPENDITURES WERE ACTUALLY \$1.1 MILLION LESS THAN
2 WHAT WE SPENT IN THE '12-'13 FISCAL YEAR. AND REALLY
3 THE KEY DRIVERS FOR THAT WERE NONREOCCURRING COSTS WE
4 HAD OR COSTS THAT WE ELIMINATED. FOR EXAMPLE, WE
5 DON'T HOLD OUR GRANTEE MEETING EVERY YEAR, AND SO IN
6 '12-'13 WE DID HAVE A MEETING. WE HAD SEVERAL
7 NONREOCCURRING COSTS THAT OCCURRED IN THE '12-'13
8 FISCAL YEAR, SUCH AS OUR FINAL PAYMENTS FOR IOM
9 REVIEW AND AN ONLINE JOURNAL. AND THEN WE DID SOME
10 REVIEWS INTERNALLY AND WERE ABLE TO ELIMINATE QUITE A
11 BIT OF FUNDS FOR EXTERNAL PROGRAMMING BECAUSE WE
12 BROUGHT THAT FUNCTION IN-HOUSE. SO THAT IS WHAT
13 EXPLAINS THE VARIANCE YEAR OVER YEAR.

14 AND THEN THESE NEXT TWO CHARTS REALLY
15 PROVIDE YOU WITH OUR COST CENTERS ACTUALS TO THEIR
16 BUDGET. AND AS YOU CAN SEE, FOR THE REASONS THAT I
17 STATED PREVIOUSLY, EACH OF OUR COST CENTERS, FOR THE
18 MOST PART ALL OF OUR COST CENTERS, EXCEPT THE FINANCE
19 AND OPERATIONS UNIT, WERE WITHIN THEIR ACTUAL
20 BUDGETS. AND IN COMPARING THOSE COSTS YEAR OVER
21 YEAR, AGAIN, THE REASONS FOR THE REDUCTION IN COSTS
22 WERE THE ONE-TIME, NONREOCCURRING COSTS THAT HAPPENED
23 IN THE '12-'13 FISCAL YEAR.

24 SO NOW LOOKING AT OUR CURRENT FINANCES, I
25 DO WANT TO SAY, AS DR. MILLS INDICATED EARLIER, FOR

BARRISTERS' REPORTING SERVICE

1 THE '13-'14 FISCAL YEAR, OUR GRANT DISBURSEMENTS WERE
2 RIGHT AT \$194.4 MILLION. OUR AVAILABLE CASH AS OF
3 AUGUST IS \$63.4 MILLION. SO WE CONTINUE TO HAVE A
4 VERY HEALTHY CASH RESERVE. WE DO HAVE FUNDS STILL
5 AVAILABLE FOR US THROUGH OUR COMMERCIAL PAPER
6 AUTHORIZATION, AND THE STATE OF CALIFORNIA IS GOING
7 TO HAVE A BOND SALE LATER THIS MONTH, AND WE ARE
8 HOPING THAT WE WILL BE PART OF THAT AND WILL BE
9 GETTING ADDITIONAL FUNDS.

10 THIS REALLY CONCLUDES MY REPORT. ARE THERE
11 ANY QUESTIONS?

12 CHAIRMAN THOMAS: MR. JUELSGAARD.

13 DR. JUELSGAARD: YES, CHILA, JUST ONE
14 QUESTION. SO I DON'T RECALL WHAT THE '14-'15 BUDGET
15 NUMBERS ARE, BUT WHAT DOES THAT OVERALL BUDGET NUMBER
16 LOOK LIKE COMPARED TO THE '13-'14 ACTUALS?

17 MS. SILVA-MARTIN: SO OUR '14-'15 BUDGET IS
18 \$17.3 MILLION. SO COUPLE MILLION DOLLARS MORE THAN
19 WHAT WE ACTUALLY SPENT IN THE CURRENT YEAR. BUT THAT
20 BUDGET DOES INCLUDE -- WE DID ELIMINATE THOSE
21 POSITIONS THAT I TALKED ABOUT EARLIER. AND AS YOU
22 KNOW, WE HAVE VACANCIES CURRENTLY THAT WE HAVE NOT
23 FILLED AND I BELIEVE WE DON'T INTEND TO FILL THEM.
24 SO THAT WILL IMPACT, OBVIOUSLY, THE ACTUAL
25 EXPENDITURES DURING THIS CURRENT YEAR AS WELL.

BARRISTERS' REPORTING SERVICE

1 DR. JUELSGAARD: THANK YOU.

2 MS. SILVA-MARTIN: ANY OTHER QUESTIONS?

3 CHAIRMAN THOMAS: ONE COMMENT. AS THE
4 BOARD LOOKS AT THE PENULTIMATE LINE THERE, ADDITIONAL
5 FUNDS FROM FALL BOND SALES, ONE LINE, BUT IT
6 REPRESENTS A HUGE AMOUNT OF WORK. WE HAVE HAD FROM
7 THE OUTSET VERY STRONG RELATIONSHIPS WITH THE
8 DEPARTMENT OF FINANCE AND THE GOVERNOR'S OFFICE,
9 WHICH IS THE PARTY TO WHOM WE ACTUALLY REPORT ON WHAT
10 IT IS WE NEED ON A SEMIANNUAL BASIS. AND THAT
11 INTERACTION, AND THERE'S LOTS OF GIVE-AND-TAKE, IS
12 THE BASIS FOR WHAT GOES INTO OUR COMPONENT OF THE
13 SEMIANNUAL TREASURER'S BONDS OR COMMERCIAL PAPER
14 ISSUANCE. AND THAT, OF COURSE, IS -- SO THE
15 RELATIONSHIPS WITH THE GOVERNOR'S OFFICE AND THE
16 RELATIONSHIP WITH THE TREASURER'S OFFICE ARE CRITICAL
17 TO MAINTAINING THIS STREAM OF FUNDING THAT CHILA IS
18 TALKING ABOUT.

19 AND I'D LIKE TO JUST HAVE A SHOUTOUT HERE
20 FOR AMY LEWIS, WHO IS OUR PERSON HERE WHO DEALS ON
21 THE FRONT LINES. LYNN HARWELL, AS YOU KNOW, DID THAT
22 FOR MANY YEARS. WHEN SHE LEFT, AMY HAS TAKEN THIS
23 ON, AND THAT PAIR OF RELATIONSHIPS IS CRITICAL AND
24 INVOLVES LOTS OF SPREADSHEETS AND JUSTIFICATIONS AND
25 GIVE-AND-TAKE AND ALL THAT SORT OF THING, AND IT ALL

BARRISTERS' REPORTING SERVICE

1 LEADS TO THIS SINGLE LITTLE LINE HERE, ADDITIONAL
2 FUNDS FROM BOND SALES. SO I WANT EVERYBODY TO KNOW
3 THAT THAT IS A COMPLEX PROCESS THAT WE SPENT A LOT OF
4 TIME DEALING WITH.

5 ANY OTHER COMMENTS ON CHILA'S PRESENTATION?
6 OKAY. THANK YOU.

7 OKAY. ON TO ACTION ITEMS, ITEM NO. 7,
8 CONSIDERATION OF APPLICATION FOR PA 14-01, THE CIRM
9 ACCELERATED DEVELOPMENT PATHWAY. DR. PRIEST IS GOING
10 TO LEAD US THROUGH THIS DISCUSSION.

11 DR. PRIEST: GOOD MORNING, MEMBERS OF THE
12 BOARD AND MEMBERS OF THE PUBLIC. MY NAME IS
13 CATHERINE PRIEST, AND I WILL BE PRESENTING THE
14 ACCELERATED DEVELOPMENT PATHWAY TODAY, PROGRAM
15 ANNOUNCEMENT 14-01.

16 I WILL COVER THE OBJECTIVE OF THE PROGRAM,
17 INFORMATION ON THE AWARD ITSELF, A SUMMARY OF THE
18 APPLICANTS WE HAD, THE REVIEW CRITERIA AND PROCESS
19 FOR REVIEW BY THE GRANTS WORKING GROUP, AND FINALLY
20 THE FUNDING RECOMMENDATIONS FROM THE GRANTS WORKING
21 GROUP AND THE CIRM TEAM.

22 THE OBJECTIVE OF THE ACCELERATED
23 DEVELOPMENT PATHWAY WAS TO FURTHER ADVANCE THE
24 PROGRESS OF SUCCESSFUL PROJECTS THAT ARE WORKING TO
25 DEVELOP A STEM CELL-BASED THERAPEUTIC AND ARE ALREADY

BARRISTERS' REPORTING SERVICE

1 FUNDED IN THE CIRM DISEASE TEAM AND STRATEGIC
2 PARTNERSHIP PORTFOLIO, PARTICULARLY THOSE TEAMS THAT
3 HAVE THE POTENTIAL TO REACH CLINICAL DEMONSTRATION OF
4 AN ACCEPTABLE SAFETY PROFILE AND CLINICAL PROOF OF
5 CONCEPT DURING OR BEFORE 2017.

6 AND IN THE REMAINDER OF THE PRESENTATION, I
7 WILL REFER TO THE FUNDED DISEASE TEAM OR STRATEGIC
8 PARTNERSHIP AWARD AS THE TEAM'S PARENT AWARD.

9 THE ACCELERATED DEVELOPMENT PATHWAY WAS
10 DESIGNED TO SUPPORT ONGOING CIRM PROGRAMS THAT ARE IN
11 OR NEAR EARLY CLINICAL DEVELOPMENT. IT WAS OPEN TO
12 ALL AWARDEES THAT HOLD AN ACTIVE DISEASE TEAM OR
13 STRATEGIC PARTNERSHIP AWARD THAT INCLUDES FUNDING TO
14 CONDUCT A CLINICAL TRIAL. TEAMS WERE ASKED TO
15 PROPOSE ADDITIONAL ACTIVITIES THAT WOULD FALL OUTSIDE
16 THE PLANS OF THEIR PARENT AWARD AND WOULD ACCELERATE
17 THEIR PROGRESS TOWARD DEMONSTRATION OF CLINICAL PROOF
18 OF CONCEPT.

19 THE ACCELERATED DEVELOPMENT PATHWAY WAS
20 DESIGNED WITH ACTIVITY-BASED FUNDING WHICH WAS CAPPED
21 BOTH FOR EACH TEAM AND FOR EACH TYPE OF ACTIVITY.
22 TEAMS COULD REQUEST A MAXIMUM OF \$25 MILLION IN TOTAL
23 COST FUNDING. TEAMS COULD REQUEST UP TO A MAXIMUM OF
24 \$5 MILLION FOR MANUFACTURING IMPROVEMENTS SUCH AS
25 PROCESS OR DEVICE OPTIMIZATION, ASSAY DEVELOPMENT, OR

BARRISTERS' REPORTING SERVICE

1 SCALE-UPS, UP TO A MAXIMUM OF \$10 MILLION FOR KEY
2 DEVELOPMENT ACTIVITIES SUCH AS BIOMARKER VALIDATION,
3 BRIDGING STUDIES, AND ASSAY DEVELOPMENT, AND UP TO A
4 MAXIMUM \$20 MILLION TO CONDUCT ADDITIONAL CLINICAL
5 ACTIVITIES SUCH AS A FOLLOW-ON CLINICAL TRIAL OR
6 ADDING ADDITIONAL PATIENT GROUPS OR CLINICAL TRIAL
7 SITES TO THEIR ONGOING CLINICAL TRIAL. TOTAL COST
8 COULD INCLUDE DIRECT PROJECTS AND FACILITIES COSTS AS
9 WELL AS INDIRECT COSTS.

10 OF NOTE, PROPOSALS WERE SPECIFICALLY
11 STRUCTURED IN A MODULAR MANNER TO GIVE THE GRANTS
12 WORKING GROUP THE OPPORTUNITY TO RECOMMEND INDIVIDUAL
13 ACTIVITIES WITHIN AN APPLICATION FOR ADDITIONAL
14 FUNDING AT THIS TIME.

15 TO SUMMARIZE THE AREAS OF THE PORTFOLIO
16 THAT WERE REPRESENTED IN THE REVIEW, APPLICATIONS
17 WERE SUBMITTED BY FIVE AWARDEES THAT WE'RE PRESENTING
18 TO YOU TODAY. IMPORTANTLY, ALL TEAMS THAT APPLIED
19 FOR THE ACCELERATED DEVELOPMENT PATHWAY HAVE ACTIVE
20 AWARDS THAT ARE IN GOOD STANDING, AND THEY WILL
21 CONTINUE TO RECEIVE FULL, ONGOING SUPPORT OF THE
22 PARENT AWARDS AND WILL BE ELIGIBLE TO REAPPLY TO THE
23 ACCELERATED DEVELOPMENT PATHWAY IN THE FUTURE.

24 LOOKING AT THIS TABLE, WE HAD AN
25 APPLICATION FROM A TEAM WORKING IN TYPE 1 DIABETES

BARRISTERS' REPORTING SERVICE

1 USING THE APPROACH OF AN ALLOGENEIC PANCREATIC
2 PROGENITOR CELL IN AN ISOLATION DEVICE. AND THIS
3 TEAM IS FUNDED UNDER THEIR PARENT AWARD TO CONDUCT A
4 PHASE I-II CLINICAL TRIAL IN TYPE 1 DIABETES, AND
5 THIS TEAM HAS AN ACTIVE IND TO PERFORM THESE STUDIES.

6 WE HAD AN APPLICATION FROM A TEAM WORKING
7 IN RETINITIS PIGMENTOSA USING THE APPROACH OF AN
8 ALLOGENEIC RETINAL PROGENITOR CELL FOR
9 TRANSPLANTATION. AND THIS TEAM IS FUNDED UNDER THEIR
10 PARENT AWARD TO CONDUCT A PHASE I-II CLINICAL TRIAL
11 IN RETINITIS PIGMENTOSA.

12 WE HAD AN APPLICATION FROM A TEAM WORKING
13 IN CHRONIC LYMPHOCYTIC LEUKEMIA OR CLL. THIS TEAM IS
14 USING A MONOCLONAL ANTIBODY APPROACH, AND THEY ARE
15 FUNDED UNDER THEIR PARENT AWARD TO CONDUCT A PHASE I
16 A AND PHASE 1 B CLINICAL TRIAL IN CLL, AND THEY ALSO
17 HAVE AN ACTIVE IND.

18 WE HAD AN APPLICATION FROM A TEAM WORKING
19 IN AMYOTROPHIC LATERAL SCLEROSIS OR ALS, AND THIS
20 TEAM IS USING A GENETICALLY MODIFIED ALLOGENEIC
21 NEURAL PROGENITOR CELL AS THEIR APPROACH TO THE
22 DISEASE. AND THEY ARE FUNDED UNDER THEIR PARENT
23 AWARD TO CONDUCT A PHASE I CLINICAL TRIAL IN ALS.

24 AND FINALLY, WE HAVE A TEAM WORKING IN THE
25 AREA OF SICKLE CELL DISEASE USING A GENETICALLY

BARRISTERS' REPORTING SERVICE

1 MODIFIED AUTOLOGOUS HEMATOPOIETIC STEM CELL APPROACH.
2 AND IN THEIR PARENT AWARD, THEY ARE FUNDED TO CONDUCT
3 A PHASE I CLINICAL TRIAL IN SICKLE CELL DISEASE.
4 THIS TEAM ALSO HAS AN ACTIVE IND.

5 MOVING ON TO A DESCRIPTION OF THE PROCESS
6 OF REVIEW, THE ACCELERATED DEVELOPMENT PATHWAY REVIEW
7 CRITERIA CONSISTED OF A NUMBER OF POINTS THAT THE
8 MEMBERS OF THE GRANTS WORKING GROUP EVALUATED BASED
9 ON SCIENTIFIC AND TECHNICAL MERIT. THEY EXAMINED THE
10 APPLICATIONS ACCORDING TO THE FOLLOWING CRITERIA:
11 CLINICAL COMPETITIVENESS AND IMPACT OF THE PROPOSED
12 THERAPY, CONTINUED RELEVANCE OF THE THERAPEUTIC TO
13 REGENERATIVE MEDICINE, STRENGTH OF THE DEVELOPMENT
14 PROGRAM, QUALIFICATIONS OF THE DEVELOPMENT TEAM,
15 DEMONSTRATION OF PROGRESS ON THEIR PARENT AWARD, AND
16 EFFECTIVE PROGRAM LEADERSHIP TO DATE, AND THE
17 APPROPRIATENESS AND FEASIBILITY OF THE PROPOSED
18 ACTIVITIES TO ACCELERATE THE DEVELOPMENT PROGRAM TO
19 CLINICAL PROOF OF CONCEPT BY OR DURING 2017.

20 THUS, THERE WAS AN ASSESSMENT OF THE
21 ACTIVITIES PROPOSED, THEIR LIKELIHOOD TO ACCELERATE
22 THE DEVELOPMENT PROGRAM, AND WHETHER THIS WAS THE
23 BEST TIME FOR A TEAM TO INITIATE ADDITIONAL
24 ACTIVITIES PROPOSED.

25 THE GRANTS WORKING GROUP USED A TWO-STEP

BARRISTERS' REPORTING SERVICE

1 REVIEW PROCESS FOR THE ACCELERATED DEVELOPMENT
2 PATHWAY. IN STEP 1, THE GRANTS WORKING GROUP
3 REVIEWED AND DISCUSSED THE ENTIRE APPLICATION
4 ACCORDING TO THE REVIEW CRITERIA FOR THE PROGRAM
5 ANNOUNCEMENT AND VOTED ON WHETHER, QUOTE, BASED UPON
6 THE REVIEW CRITERIA OUTLINED IN PROGRAM ANNOUNCEMENT
7 14-01, THE TEAM HAS DEMONSTRATED ADEQUATE READINESS
8 AND CAPACITY TO CONSIDER AND INTEGRATE NEW PROPOSED
9 ACTIVITIES THAT WILL ADVANCE OR ACCELERATE THEIR
10 PROGRAM TOWARD A CLINICAL PROOF OF CONCEPT
11 POTENTIALLY BY OR DURING 2017, UNQUOTE. AND A YES
12 VOTE ON THIS STATEMENT REPRESENTED AN OVERALL SCORE
13 OF 65 OR HIGHER ON THE APPLICATION WHILE A NO VOTE
14 REPRESENTED AN OVERALL SCORE BELOW 65, THUS PLACING
15 THE REQUEST FOR ADDITIONAL FUNDING IN TIER III.
16 APPLICATIONS WITH MAJORITY YES VOTE PROCEEDED TO
17 SCORING FOR THE INDIVIDUAL MODULES, AND APPLICATIONS
18 WITH MAJORITY NO OR TIE VOTE ON THE QUESTION ABOVE
19 WERE NOT CONSIDERED FURTHER BY THE GRANTS WORKING
20 GROUP AND WERE PLACED IN TIER III AT THIS TIME.

21 IN STEP 2 OF THE REVIEW PROCESS, FOR THOSE
22 APPLICATIONS WITH A MAJORITY YES VOTE, THE PRINCIPAL
23 NEW ACTIVITIES PROPOSED BY THE TEAM WERE SCORED USING
24 A CONVENTIONAL 1 TO 100 RANGE. AN AVERAGE SCORE OF
25 75 TO 100 PLACED THE ACTIVITY MODULE IN TIER I AND

BARRISTERS' REPORTING SERVICE

1 RECOMMENDED FOR FUNDING. AN AVERAGE SCORE OF 65 TO
2 74 PLACED THE ACTIVITY MODULE IN TIER II,
3 REPRESENTING MODERATE SCIENTIFIC QUALITY AND/OR NO
4 CONSENSUS BETWEEN THE REVIEWERS DURING THE REVIEW.
5 AND AN AVERAGE SCORE OF 1 TO 64 PLACED AN ACTIVITY
6 MODULE IN TIER III, NOT RECOMMENDED FOR ADDITIONAL
7 FUNDING AT THIS TIME.

8 SO WHAT YOU WOULD SEE IN THE GRANTS WORKING
9 GROUP SUMMARY AND RECOMMENDATIONS, THEN, FOR EACH
10 APPLICATION IS A STATEMENT REFLECTING THE RESULTS OF
11 STEP 1. DID THE MAJORITY OF THE GRANTS WORKING GROUP
12 VOTING MEMBERS ON THE APPLICATION ASSESS THE TEAM AS
13 READY TO INTEGRATE THE PROPOSED ADDITIONAL ACTIVITIES
14 AT THIS TIME TO ADVANCE OR ACCELERATE THEIR PROGRAMS
15 TOWARDS CLINICAL PROOF OF CONCEPT? THEN COMMENTS
16 FROM THE GRANTS WORKING GROUP REGARDING THE OVERALL
17 MERIT OF THE APPLICATION THAT IMPACTED THAT DECISION.
18 AND FOR WITH THOSE APPLICATIONS WITH A MAJORITY YES
19 VOTE ON STEP 1, YOU WILL ALSO SEE ADDITIONAL COMMENTS
20 FROM THE GRANTS WORKING GROUP THAT LED TO THE SCORES
21 GIVEN FOR THE ACTIVITY MODULES IN STEP 2 OF THE
22 REVIEW PROCESS.

23 MOVING NOW TO THE GRANTS WORKING GROUP
24 SCORING AND FUNDING RECOMMENDATIONS, I KNOW THIS IS
25 PRINTED SMALL, BUT IT IS IN YOUR PACKAGE. THE GRANTS

BARRISTERS' REPORTING SERVICE

1 WORKING GROUP IDENTIFIED TWO PROGRAMS THAT THEY FELT
2 WERE READY TO BE CONSIDERED BY CIRM FOR ADDITIONAL
3 FUNDING AT THIS TIME: THE APPLICANT TEAM WORKING IN
4 TYPE 1 DIABETES, THIS IS APPLICATION AP 1-08039, AND
5 THE APPLICANT TEAM WORKING IN RETINITIS PIGMENTOSA,
6 THIS IS APPLICATION AP 1-08040.

7 IN THE FIRST OF THESE APPLICATIONS, SCORING
8 BY THE GRANTS WORKING GROUP MEMBERS PLACED THE
9 APPLICANT'S MODULE 1 IN TIER I, RECOMMENDED FOR,
10 FUNDING, AND THE ACTIVITIES IN MODULE 3 IN TIER II.

11 IN THE SECOND OF THESE APPLICATIONS,
12 SCORING BY THE GRANTS WORKING GROUP MEMBERS PLACED
13 THE APPLICANT'S MODULE 2.2 IN TIER II. AND FOR THE
14 LAST THREE APPLICATIONS, THE GRANTS WORKING GROUP
15 VOTED TO NOT RECOMMEND ADDITIONAL FUNDING FOR THE
16 TEAMS AT THIS TIME.

17 SO AT THIS POINT I WILL STOP TO ALLOW THE
18 BOARD TO BEGIN PROGRAMMATIC DISCUSSION, AND I WILL
19 CONTINUE WITH THE CIRM TEAM RECOMMENDATIONS OF
20 FUNDING WHEN THE BOARD IS READY TO PROCEED.

21 CHAIRMAN THOMAS: THANK YOU, DR. PRIEST.
22 BEFORE WE TURN THIS OVER TO MR. SHEEHY, COULD YOU
23 GIVE THE BOARD A BIT OF FLAVOR ON WHY THREE OF THE
24 FIVE WERE NOT RECOMMENDED FOR FUNDING?

25 DR. PRIEST: OF COURSE. WHEN WE FIRST

BARRISTERS' REPORTING SERVICE

1 LOOKED AT THE 17 TEAMS THAT WERE ELIGIBLE TO APPLY TO
2 THE ACCELERATED DEVELOPMENT PATHWAY, WE RECOGNIZED
3 THAT THE TEAMS ARE AT MANY DIFFERENT PHASES IN THEIR
4 DEVELOPMENT PLANS. SOME ARE QUITE EARLY; SOME ARE
5 ALREADY MOVING INTO CLINICAL TRIALS. SO DURING THE
6 REVIEW, SOME OF THE COMMENTS WERE MOST LIKELY
7 STRUCTURED AROUND THE ACTIVITIES BEING OF VALUE THAT
8 THE TEAMS PROPOSED; HOWEVER, THEY WERE A LITTLE BIT
9 TOO FAR OF A STRETCH FOR THE GRANTS WORKING GROUP TO
10 HAVE A GOOD CONFIDENCE IN THAT ACTIVITY'S PROBABILITY
11 TO SUCCEED. THEY WERE JUST A LITTLE TOO FAR OUT IN
12 THE DEVELOPMENT PLAN, IF YOU WILL. FOR EXAMPLE, IF A
13 TEAM IS STILL LOOKING TO HAVE ITS FINAL INTERACTIONS
14 WITH THE FDA ABOUT STARTING A PHASE I CLINICAL TRIAL,
15 NOT KNOWING ANY DATA ABOUT THE PHASE I CLINICAL
16 TRIAL, IT WAS DIFFICULT FOR THE GRANTS WORKING GROUP
17 TO SAY, YES, WE SHOULD COMMIT MONEY FOR A PHASE II
18 CLINICAL TRIAL TO FOLLOW IT ON. SO IT WAS A BIT OF A
19 STRETCH OUT AND LOOKING AT WHAT'S A GOOD INVESTMENT
20 FOR CIRM AS ADVICE AND ALSO WITH THE UNDERSTANDING
21 THAT THESE TEAMS COULD COME BACK AND APPLY LATER FOR
22 THIS TYPE OF AWARD WAS ANOTHER IMPACT FROM THE GRANTS
23 WORKING GROUP.

24 CHAIRMAN THOMAS: ON THAT LAST POINT,
25 BECAUSE, AS WE SEE HERE, WHATEVER THE BOARD DOES

BARRISTERS' REPORTING SERVICE

1 TODAY WILL BE SIGNIFICANTLY BELOW THE AMOUNT WE HAD
2 ORIGINALLY ALLOCATED TO THE PROGRAM, WHAT ARE THE
3 THOUGHTS AT THIS POINT ON TIMETABLES FOR COMING BACK
4 FOR A NEXT ROUND OF APPLICATION?

5 DR. PRIEST: WELL, AS PRESIDENT MILLS
6 DISCUSSED, WE WOULD OBVIOUSLY LIKE TO SHORTEN THE
7 REVIEW CYCLE. WHEN THIS APPLICATION -- WHEN THE
8 PROGRAM ANNOUNCEMENT WAS FIRST POSTED, WE THOUGHT
9 PERHAPS A YEAR FROM THE INITIAL FUNDING CALL, WHICH
10 WAS LAST SPRING, BUT WE'D LIKE TO ROLL THIS INTO ALSO
11 CIRM 2.0, SO A MUCH FASTER, MORE NIMBLE ABILITY FOR
12 TEAMS TO COME IN. WHEN THEY HAVE ACTIVITIES OUTSIDE
13 THE SCOPE OF THEIR PARENT AWARD, BUT THEY RECOGNIZE
14 THAT THEY WILL ACCELERATE THE PATHWAY WITH THAT LONG
15 FUNDING CYCLE OF 15 TO 29 MONTHS, SOMETIMES A TEAM
16 COULD APPLY WITH MORE STRENGTH IN THEIR APPLICATION
17 WITH A LITTLE BIT MORE CLINICAL INFORMATION. SO
18 HAVING A MUCH SHORTER TURNAROUND WOULD BE OUR GOAL.

19 CHAIRMAN THOMAS: DR. LUBIN.

20 DR. LUBIN: I'M SURE THIS WAS DONE BY THE
21 GRANTS WORKING GROUP, BUT I JUST WOULD APPRECIATE
22 YOUR COMMENTS ON THE FIELD ITSELF AND HOW IT'S
23 PROGRESSING AND HOW OTHER PEOPLE ARE ALSO ENGAGED IN
24 SIMILAR AREAS OF RESEARCH AND HOW THE CIRM
25 APPLICATION THAT WE'RE CURRENTLY ENGAGED WITH RELATES

BARRISTERS' REPORTING SERVICE

1 TO THE OTHER INVESTIGATORS IN THAT FIELD. AS WE
2 HEARD EARLIER TODAY, THERE ARE MANY PEOPLE ENTERING
3 THIS FIELD, AND IN SOME OF THESE AREAS THERE ARE A
4 NUMBER OF PROGRAMS THAT MIGHT BE A LITTLE BIT FURTHER
5 THAN THE ONES THAT WE'VE CURRENTLY FUNDED. HOW DOES
6 THIS IMPACT THE DECISION TO FUND OR TO CONTINUE OR TO
7 EXPAND THE FUNDING FOR AREAS THAT WE'RE IN?

8 DR. PRIEST: WELL, THAT WAS A COMPONENT OF
9 THE REVIEW CRITERIA. LOOKING AT THE CLINICAL
10 COMPETITIVENESS AND WHAT ELSE IS IN THE AREA. WE ARE
11 CERTAINLY AWARE OF AND WE ASK OUR TEAMS TO REVIEW THE
12 CURRENT COMPETITION, IF YOU WILL, AS WELL IN THE
13 PROGRAM IN THE DISEASE AREA. WE ARE, AS YOU KNOW,
14 FUNDING A NUMBER OF RISKY PROGRAMS. WE ARE NOT DOING
15 THE LOW HANGING FRUIT NECESSARILY, SO WE MAY NOT BE
16 THE FASTEST, BUT I THINK THE APPROACHES AND THE
17 GRANTS WORKING GROUP ALSO SAID THE APPROACHES THAT
18 CIRM IS FUNDING ARE CRITICAL TO ADVANCE THE FIELD AND
19 PROVIDE ALTERNATIVE METHODS TO ADDRESS THESE TERRIBLE
20 DISEASES.

21 DR. LUBIN: THANK YOU.

22 CHAIRMAN THOMAS: DR. FINE.

23 DR. FINE: WILL THERE BE AN OPPORTUNITY TO
24 REFLECT ON WHY IT IS THAT 9 OUT OF 13 APPLICATIONS
25 WERE DEEMED NOT WORTHY OF FUNDING? THESE ARE VERY

BARRISTERS' REPORTING SERVICE

1 WELL-FUNDED STUDIES, WELL-ESTABLISHED, AND THERE MUST
2 BE SOME LESSONS LEARNED WHICH SOMEBODY SHOULD BE ABLE
3 TO SUMMARIZE AS TO WHAT THE SHORTCOMINGS WERE AS A
4 GROUP IN THOSE STUDIES THAT WERE NOT FUNDED.

5 CHAIRMAN THOMAS: I THINK THIS IS A PERFECT
6 TIME FOR THAT. DR. PRIEST -- DR. FEIGAL.

7 DR. FEIGAL: THANKS. I JUST WANT TO MAKE
8 IT CLEAR THAT THERE WERE FIVE APPLICATIONS THAT WERE
9 CONSIDERED AT THIS TIME, AND THERE WERE THREE THAT
10 WERE NOT RECOMMENDED FOR FUNDING. SO THE OTHER TEAMS
11 THAT HAVE FUNDING FOR A CLINICAL TRIAL HAD THE
12 OPPORTUNITY TO COME IN AT THE NEXT TIME THIS
13 SOLICITATION WOULD BE AVAILABLE. SO I WANT TO MAKE
14 IT CLEAR. SO IF YOU'RE QUESTION IS WHY WEREN'T THE
15 THREE RECOMMENDED FOR FUNDING, DR. PRIEST CAN RE-GO
16 OVER THAT.

17 DR. FINE: THEN I OBVIOUSLY MISSTATED IT
18 BECAUSE I WAS JUST LOOKING AT A COLUMN WHICH WAS
19 INCORRECT OBVIOUSLY.

20 DR. PRIEST: SO OBVIOUSLY IF THERE ARE
21 QUESTIONS ABOUT A SPECIFIC AWARD, THE SCIENCE OFFICER
22 THAT IS MOST INTIMATELY INVOLVED WITH THAT TEAM IS
23 PREPARED TO PRESENT THE SUMMARY FROM THE GRANTS
24 WORKING GROUP FOR EACH INDIVIDUAL APPLICATION.
25 HOWEVER, WE MADE IT CLEAR THAT WE'RE LOOKING AT

BARRISTERS' REPORTING SERVICE

1 TIMELINE ADVANCEMENT TO 2017 AND WHETHER THE PROPOSED
2 ACTIVITIES, EACH OF WHICH WAS REVIEWED AS A SINGLE
3 MODULE, SO THIS WASN'T A DECISION ON WHETHER ALL OF
4 THE ACTIVITIES WOULD PUSH THAT TEAM FORWARD AT THIS
5 TIME, SOME SAID THESE ARE REALLY GOOD ACTIVITIES, BUT
6 WE NEED MORE INFORMATION IN YOUR DEVELOPMENT PROJECT
7 BEFORE YOU CAN CHOOSE WHICH OF THE PATHS FORWARD
8 YOU'RE PROPOSING.

9 SO MANY OF THE REVIEW CRITERIA CAME BACK
10 WITH WE JUST NEED A LITTLE BIT MORE TIME. AND
11 BECAUSE THE CALL STRUCTURE WAS SO DELAYED, I THINK WE
12 REALLY ASKED TEAMS TO STRETCH AND THINK ABOUT WHAT
13 COULD BUILD OUTSIDE THEIR AWARDED PARENT AWARD.
14 REMEMBER THAT THESE TEAMS HAVE A FULL DISEASE TEAM OR
15 STRATEGIC PARTNERSHIP AWARD. THESE ARE LARGE AWARDS.
16 THE TEAMS ARE DOING MANY, MANY THINGS RIGHT NOW. SO
17 WE SAID ARE THERE ADDITIONAL THINGS THAT THE GRANTS
18 WORKING GROUP SUPPORTS AS A WAY TO STRETCH AND EVEN
19 MOVE YOUR PROJECT FARTHER FASTER.

20 CHAIRMAN THOMAS: MR. JUELSGAARD AND MR.
21 PANETTA.

22 DR. JUELSGAARD: SO MY QUESTION IS ONE OF
23 THE INVOLVEMENT OF CIRM STAFF IN THESE PROJECTS ONCE
24 THEY HAVE BEEN APPROVED AND THESE PARTICULAR
25 PROJECTS. SO THE FIRST QUESTION COMES IN THE FORM OF

BARRISTERS' REPORTING SERVICE

1 WAS IT FORESEEABLE THAT, AND LET'S JUST DEAL WITH THE
2 THREE PROJECTS THAT WERE RECOMMENDED NOT TO FUND, WAS
3 THAT FORESEEABLE BY PEOPLE WITHIN THIS ORGANIZATION
4 THAT THAT WOULD BE A LIKELY OUTCOME IF THEY HAD
5 LOOKED AT THE APPLICATION AND KNEW HOW EVALUATIONS
6 HAD GONE IN THE PAST OR WOULD LIKELY GO HERE? DO WE
7 HAVE THAT KIND OF INTERNAL CAPABILITY TO BE ABLE TO
8 TELL PEOPLE, WELL, YOU KNOW, IT'S LIKELY THAT YOUR
9 APPLICATION IS NOT GOING TO GET FUNDED. THIS IS NOT
10 GOING TO PREVENT THEM FROM MAKING THE PRESENTATION,
11 BUT IT TELLS THEM BEFORE THEY WALK INTO THE ROOM
12 WHERE SOME OF THE POTENTIAL WEAKNESSES ARE AND WHERE
13 THEY MIGHT ASK -- FAST FORWARD THEM TO BASICALLY
14 ADDRESSING SOME OF THEM.

15 THIS GOES BACK TO SOME OF THE TIME FRAMES
16 THAT DR. MILLS WAS PRESENTING. SO THINGS ARE TAKING
17 A LOT OF TIME. AND TO SOME EXTENT, IF THERE'S
18 ADVISEMENT ALONG THE WAY ABOUT WHERE THERE ARE HOLES
19 IN TERMS OF DEVELOPMENT PROJECTS, THAT OUGHT TO BE
20 ADDRESSED IF YOU ARE GOING TO BE SEEKING MORE MONEY
21 BEFORE YOU COME IN. I THINK THAT COULD ALSO HELP
22 SHORTEN THE TIME FRAMES. AND MAYBE WE JUST DON'T
23 HAVE THAT EXPERTISE OR MAYBE WE DON'T DO THAT, BUT I
24 REALLY WONDER IF THAT'S NOT A CAPABILITY THAT MIGHT
25 BE USEFUL FOR OUR GRANTEES, ESPECIALLY THOSE IF WE'RE

BARRISTERS' REPORTING SERVICE

1 SPENDING THIS KIND OF MONEY ALREADY ON THEM, WANTING
2 TO SEE THEM BE SUCCESSFUL, MAYBE INVESTING A LITTLE
3 BIT MORE TO GIVE THEM A BETTER SENSE OF THE PATHWAY
4 THEY NEED TO BE ON IF THEY'RE NOT REALLY ON THE BEST
5 ONE.

6 DR. PRIEST: EXACTLY. AND I AGREE. I WILL
7 REMIND YOU THAT THERE WERE 17 TEAMS THAT WERE
8 ELIGIBLE TO COME IN FOR THIS CALL. A NUMBER OF THOSE
9 TEAMS REACHED OUT TO THE SCIENCE STAFF, AND WE
10 DISCUSSED WHETHER, IN OUR OPINION AND SOME COACHING
11 BACK AND FORTH, WHETHER THIS WOULD BE THE MOST
12 APPROPRIATE TIME FOR THEM TO ASK FOR ADDITIONAL
13 FUNDING. NOT ALL TEAMS ASKED FOR THAT INPUT. AND
14 YOU WILL SEE THAT NOT ALL 17 TEAMS CHOSE TO APPLY AT
15 THIS TIME EITHER.

16 WHEN WE REACHED OUT IN A WEBINAR GIVING
17 MORE INFORMATION TO ALL TEAMS, WE ALSO EMPHASIZED
18 THAT THERE WOULD BE ADDITIONAL CALLS AND TO USE THEIR
19 APPLICATION WISELY FOR WHEN THE MOST IMPACTFUL
20 ADDITIONAL ACTIVITIES COULD BE APPLIED TO THEIR
21 PROGRAM.

22 I WOULD REMIND YOU ALSO THAT WE HAVE THE
23 CDAP PROGRAM, THE CLINICAL DEVELOPMENT ADVISORY
24 PANEL. THIS IS A GROUP OF OUTSIDE EXPERTS THAT
25 CONTINUE TO ADVISE BOTH CIRM AND THE APPLICANTS

BARRISTERS' REPORTING SERVICE

1 THEMSELVES AS THEY PROGRESS THROUGH THEIR DEVELOPMENT
2 PATHWAY. SO THEY ARE GETTING INTERNAL FEEDBACK FROM
3 CIRM ON A FREQUENT BASIS, AND THEY'RE ALSO GETTING
4 ADDITIONAL PROGRAM FEEDBACK FROM MEMBERS OF THE CDAP
5 REVIEW.

6 CHAIRMAN THOMAS: DOES THAT FULLY ANSWER
7 YOUR QUESTION, MR. JUELSGAARD?

8 DR. JUELSGAARD: FOR THE TIME BEING.

9 CHAIRMAN THOMAS: OKAY. THANK YOU. WE'VE
10 GOT MR. PANETTA, THEN WE HAVE DR. PRIETO AND DR.
11 LEVIN.

12 MR. PANETTA: THANKS, J.T. DR. PRIEST, I
13 JUST -- I WANT TO BETTER UNDERSTAND THE REVIEW
14 PROCESS BECAUSE, AGAIN, IT GOES TO HOW WE'RE DECIDING
15 TO PROGRESS SOME OF THESE PROJECTS ALONG. AND ON THE
16 DIABETES PRODUCT, WHEN I READ THE SUMMARY, WHAT I
17 READ WAS THAT THE PHASE II TRIAL PROPOSAL WAS
18 WELL-THOUGHT OUT, BUT THAT IT WOULD PROBABLY BE BEST
19 TO OBTAIN THE PHASE I DATA FIRST BEFORE MOVING ON TO
20 PHASE II. AND WHAT I'D LIKE TO UNDERSTAND BETTER IS
21 WHETHER THAT'S WHAT'S REFLECTED IN THE LOW SCORE.
22 DOES THAT COME INTO PLAY IN THE SCORING PROCESS, OR
23 WERE THERE OTHER ASPECTS OF THE PROPOSAL FOR THE
24 PHASE II TRIAL THAT CAME INTO PLAY THAT REDUCED ITS
25 SCORE BECAUSE ALL THAT I SAW HERE WAS THAT IT WAS

BARRISTERS' REPORTING SERVICE

1 WELL THOUGHT OUT, BUT THAT IT WOULD BE BEST TO OBTAIN
2 DATA FIRST. AND MAYBE THAT'S THE WAY TO GO, BUT I
3 JUST WANT TO UNDERSTAND IT.

4 CHAIRMAN THOMAS: MR. PANETTA, THAT SORT OF
5 GETS INTO DISCUSSION OF THE MERITS OF THE PROGRAM
6 WHICH REALLY COMES UNDER MR. SHEEHY AND THE
7 PROGRAMMATIC DISCUSSIONS. IF YOU TABLE THAT
8 QUESTION, SPECIFIC QUESTION ABOUT THAT INDIVIDUAL
9 AWARD, I'D APPRECIATE THAT.

10 DR. PRIETO.

11 DR. PRIETO: THANK YOU. I JUST THOUGHT
12 MAYBE I COULD SHED SOME LIGHT GENERALLY ON THE REVIEW
13 PROCESS AND CLARIFY THIS FOR EVERYONE, NOT TO
14 SPECIFICALLY ADDRESS ONE APPLICATION, BUT BOTH FOR
15 PROJECTS WHICH GOT SOME FAVORABLE RECOMMENDATIONS AND
16 THOSE THAT DIDN'T. EACH APPLICANT WAS ASKED TO
17 PROVIDE PROJECTS THAT COULD ADVANCE THEIR TIMELINE,
18 ACCELERATE THEIR DEVELOPMENT, AND THEN EACH MODULE
19 WAS LOOKED AT INDIVIDUALLY. AND SO SOME WERE JUDGED
20 FAVORABLY, YES, THIS COULD ACCELERATE DEVELOPMENT,
21 SOME THIS MIGHT BE INTERESTING INFORMATION OR IT
22 WOULD BE USEFUL INFORMATION, BUT WOULD NOT REALLY
23 CHANGE THE TIMELINE, WOULD NOT BRING US TO THE
24 OUTCOME WE WANT ANY FASTER. AND SO THAT COULD BE THE
25 SOURCE OF A RECOMMENDATION NOT TO FUND BECAUSE IT

BARRISTERS' REPORTING SERVICE

1 REALLY ISN'T ACHIEVING THE GOALS OF THE RFA.

2 CHAIRMAN THOMAS: DR. LEVIN.

3 DR. LEVIN: THANKS. I THINK IT'S A VERY
4 INTERESTING LINE OF DISCUSSION THAT DR. FINE STARTED
5 AND MAYBE IS SOMETHING THAT SHOULD BE CONSIDERED FOR
6 CIRM 2.0. AS WE GO FORWARD, WE REALLY SEEM TO BE
7 INVESTING IN INDIVIDUALS, WE'RE INVESTING IN PROJECTS
8 THAT WE HAVE A LOT OF FAITH IN THAT WE'VE PUT A LOT
9 OF TIME INTO, A LOT OF MONEY INTO, AND I KNOW THAT
10 CIRM STAFF ARE VERY CLOSELY INVOLVED IN NOT THE
11 DAY-TO-DAY OPERATIONS, BUT THE PROGRESS OF THE
12 PROJECTS.

13 AND YOU MENTION THAT YOU DO GIVE SOME
14 COUNSELING TO PEOPLE COMING IN, AND YET YOU SEE 11
15 DIFFERENT ASPECTS OF PROJECTS AT LEAST THAT WERE
16 REQUESTING FUNDING AND ONLY TWO HAVE BEEN RECOMMENDED
17 FOR FUNDING. THAT'S LESS THAN 20 PERCENT OR ABOUT
18 THE SAME AS THE NIH DOES. AND I WOULD HOPE THAT WE
19 COULD DO BETTER THAN THAT WITH THE AMOUNT OF
20 COMMUNICATION AND KNOWLEDGE THAT WE HAVE. AND THAT
21 MAYBE THAT IS A GOAL OF CIRM 2.0 IS TO GET THAT UP TO
22 HALF OF EVERYTHING. AT THIS LATE STAGE, GET THE
23 FEEDBACK THAT THEY NEED AND GET THE PROACTIVE ADVICE
24 LIKE YOU WERE MENTIONING WITH FDA MEETINGS OR
25 BUSINESS DEVELOPMENT OR WHATEVER THEY NEED WORK HAND

BARRISTERS' REPORTING SERVICE

1 IN HAND. WE'RE BASICALLY A FOUNDATION. A LOT OF
2 HIGH END FOUNDATIONS LIKE HHMI OR THE MOORE
3 FOUNDATION WORK VERY CLOSELY WITH THEIR GRANTEES TO
4 MAKE SURE THAT EVERYBODY IS ALIGNED IN GETTING WHAT
5 WE ALL WANT AT THE END.

6 DR. MILLS: JUST TO COMMENT ON IT. SO I
7 THINK THIS PROGRAM IS A GOOD EXAMPLE OF THE NEED TO
8 JUST STEP BACK AND DO A 2.0 BECAUSE LARGELY THIS
9 PROGRAM IS IN PLACE BECAUSE THE NORMAL REVIEW PROCESS
10 IS SO LONG. AND IF YOU REMOVE THAT ASSUMPTION, THAT
11 IT HAS TO TAKE 18 MONTHS TO GET A CLINICAL PROGRAM
12 APPROVED OR A MODIFICATION TO A CLINICAL PROGRAM
13 APPROVED, THE NEED FOR THIS PROGRAM FALLS AWAY. AND
14 SO WHAT HAPPENED HERE WAS A LOT OF THESE MANY
15 PROGRAMS -- EXAMPLE WAS THEY HAVEN'T PULLED THEIR IND
16 FOR PHASE I TRIAL AND THEY'RE COMING BEFORE US ASKING
17 US TO FULLY FUND A PHASE II TRIAL. THAT DOESN'T MAKE
18 SENSE IF WE HAD A TIMELY REVIEW CYCLE THAT COULD SAY
19 WHEN YOU'RE READY FOR PHASE II, WE'RE GOING TO BE
20 RESPONSIVE AND YOU'RE NOT GOING TO SKIP A BEAT, AND
21 WE'RE GOING TO FUND A PHASE II WHEN IT'S APPROPRIATE.
22 BUT UNDER THE CURRENT SYSTEM, IT WAS WHAT THEY -- IT
23 WAS ALL THEY COULD DO. WE CAN FUND THIS PHASE II
24 TRIAL NOW KNOWING IT WOULD OTHERWISE TAKE 18 OR 20
25 MONTHS AND AN EQUAL AMOUNT OF DELAY. WE DON'T WANT

BARRISTERS' REPORTING SERVICE

1 TO TAKE THAT RISK. AND SO I THINK JUST, AGAIN, NOT
2 GETTING ANY SPECIFICS, BUT I THINK, JUST AS THE
3 GRANTS WORKING GROUP WAS LOOKING AT THIS, THEY WERE
4 SAYING THERE'S NO NEED TO FUND THESE PROGRAMS THIS
5 FAR AHEAD. IT'S REALLY -- I CAN'T EMPHASIZE ENOUGH.
6 THERE WAS NO DISCUSSION OR CONSENSUS THESE WEREN'T
7 GOOD PROGRAMS. IT WAS JUST THEY'RE JUST REACHING IN
8 TIME AND THE REACHING IN TIME BECAUSE WE'VE CREATED
9 AN ARTIFICIAL ARTIFACT, WHICH IS OUR REVIEW CYCLE
10 NORMALLY TAKES TOO LONG.

11 SO I'M HOPING -- THE IDEA OF AN ACCELERATED
12 DEVELOPMENT PATHWAY MADE ME SCRATCH MY HEAD A LITTLE
13 BIT BECAUSE WHAT IS CIRM? WE REALLY SHOULD BE THE
14 ACCELERATED DEVELOPMENT PATHWAY, AND WE NEED A SYSTEM
15 THAT'S RESPONSIVE. AND JUST NATURALLY THIS CONCEPT
16 FOLDS INTO IT.

17 CHAIRMAN THOMAS: MR. JUELSGAARD.

18 DR. JUELSGAARD: I'D LIKE TO FOLLOW UP ON
19 THE COMMENTS THAT DR. LEVIN JUST MADE BECAUSE I VERY
20 MUCH AGREE WITH HIM. AND SO I'M GOING TO APPROACH
21 THIS FROM A COMPANY PERSPECTIVE. SO WHEN ONE COMPANY
22 AGREES TO FUND THE RESEARCH AND DEVELOPMENT FOR A
23 PROJECT IN ANOTHER TYPICALLY SMALLER COMPANY, IT JUST
24 DOESN'T GIVE THEM THE MONEY AND SAY GO WITH GOD. IT
25 GIVES THEM THE MONEY AND SAYS, YOU KNOW WHAT, WE'RE

BARRISTERS' REPORTING SERVICE

1 GOING TO PUT ONE OR TWO OR THREE PEOPLE ON THIS
2 PROJECT FROM OUR SIDE TO KEEP TRACK OF IT TO MAKE
3 SURE WE KNOW WHERE IT'S GOING, TO GIVE YOU ADVICE
4 ALONG THE WAY, ETC., ETC.

5 AND MY QUESTIONS OF DR. PRIEST REALLY KIND
6 OF RELATED TO THAT ISSUE, WHICH IS, AND THIS IS
7 PERHAPS RELATED TO CIRM 2.0, WHICH IS WHETHER WE
8 ACTUALLY DO NEED TO GET MORE INVOLVED WITH THE
9 PROJECTS THAT ARE GOING WHERE WE HAVE EXPERTISE THAT
10 WE CAN PROVIDE EITHER FROM WITHIN THE ORGANIZATION OR
11 FROM OUTSIDE THE ORGANIZATION THROUGH OUR CONTACTS TO
12 HELP PEOPLE MAKE BETTER PROGRESS AND TO HELP THEM
13 UNDERSTAND WHERE THERE ARE SHORTCOMINGS OR PITFALLS
14 AND WHERE THEY CAN SPEED THINGS UP, ETC. AND SO I
15 APPRECIATE VERY MUCH YOUR COMMENT, AND I WONDER IF WE
16 CAN DO THAT BETTER.

17 CHAIRMAN THOMAS: DR. MILLS, DO YOU CARE TO
18 RESPOND TO THAT?

19 DR. MILLS: I FEEL CONFIDENT WE CAN.

20 CHAIRMAN THOMAS: OKAY. ARE THERE ANY
21 OTHER COMMENTS, PRELIMINARY COMMENTS, ON THE PROCESS
22 BEFORE WE GET TO PROGRAMMATIC REVIEW? HEARING NONE,
23 WILL NOW TURN IT OVER TO MR. SHEEHY.

24 MR. SHEEHY: THANK YOU, CHAIRMAN THOMAS.
25 SO I THINK THE BEST WAY TO PROCEED WOULD BE FOR OUR

BARRISTERS' REPORTING SERVICE

1 FIRST MOTION TO LOOK AT MOVING ANY OF THE
2 APPLICATIONS FROM TIER III INTO TIER I. AND THE
3 OUTCOME FROM THAT, IF ONE OF THOSE MOTIONS WAS
4 SUCCESSFUL, WE WOULD THEN SEND IT BACK TO THE GRANTS
5 WORKING GROUP FOR A REVIEW OF THE MODULES AND
6 SCORING.

7 SO IS THERE ANY MOTION TO MOVE ANY OF THE
8 APPLICATIONS IN TIER III INTO TIER I? OKAY. THEN,
9 SEEING NONE, I WILL PASS IT OVER TO DR. PRIETO TO
10 TALK ABOUT TIER I BECAUSE THE FIRST PROJECT IN TIER
11 I -- THE TIER I PROJECT I HAVE A CONFLICT WITH.

12 DR. PRIETO: THANK YOU, JEFF. OKAY. SO I
13 THINK TO START THIS DISCUSSION, THE FIRST THING I'LL
14 ASK IS IS THERE A MOTION TO MOVE ANYTHING FROM TIER I
15 INTO TIER III, INTO THE DO NOT FUND CATEGORY?

16 DR. PRIEST: EXCUSE ME, DR. PRIETO. WE
17 ALSO HAVE THE CIRM TEAM AND GRANTS WORKING GROUP
18 RECOMMENDATIONS ABOUT THE TIER I MODULE.

19 DR. PRIETO: DO WE NEED A MOTION TO START
20 DISCUSSION THOUGH BECAUSE THEN I WAS GOING TO ASK
21 FOR --

22 DR. PRIEST: I APOLOGIZE.

23 DR. PRIETO: OKAY. SO HEARING NO MOTION,
24 THEN I THINK THE NEXT STEP WE WANT IS THE STAFF
25 RECOMMENDATIONS, AND THEN I'LL ENTERTAIN ANOTHER

BARRISTERS' REPORTING SERVICE

1 MOTION ABOUT MOVING ANYTHING FROM THE MIDDLE TIER,
2 TIER II.

3 MR. TORRES: YES. THIS IS ART TORRES. I
4 MOVE TO RECOMMEND THE STAFF RECOMMENDATIONS FOR
5 FUNDING.

6 MR. SHEEHY: THAT CREATES CONFLICT ISSUES,
7 I THINK, SENATOR TORRES. MAYBE WE SHOULD JUST TAKE
8 THEM ONE AT A TIME. DOES THAT WORK? LET'S TAKE ONE
9 RECOMMENDATION AT A TIME.

10 MR. TORRES: I RECOMMEND THE FIRST
11 RECOMMENDATION WHICH I DO NOT HAVE A CONFLICT, BUT I
12 KNOW THERE ARE SOME THAT ARE IN THE BOARD THAT DO.

13 DR. PRIETO: OUR MAKING A MOTION, THEN, TO
14 APPROVE THE RECOMMENDATION FOR MODULE 1.

15 MR. TORRES: THE DIABETES, YES.

16 DR. PRIETO: IS THERE A SECOND?

17 DR. JUELSGAARD: SECOND.

18 DR. PRIETO: OKAY. SECOND BY MR.
19 JUELSGAARD. STAFF RECOMMENDATIONS.

20 DR. PRIEST: SO FOR MODULE 1, THE
21 ACTIVITIES CONSIST OF ADDITIONS TO THE PHASE I TRIAL
22 AND DEVICE DEVELOPMENT. AND THE RECOMMENDATION FROM
23 THE CIRM TEAM IS TO FUND MODULE 1.

24 DR. PRIETO: SO ARE THERE ANY QUESTIONS
25 ABOUT THIS MODULE OR ANY PROGRAMMATIC COMMENTS?

BARRISTERS' REPORTING SERVICE

1 OKAY. DO WE HAVE TO TAKE A VOTE -- SHALL WE VOTE ONE
2 BY ONE BY MODULE? WE'RE GOING TO BE VOTING EN BLOC
3 FOR EVERYTHING IN TIER I AT THE END. SO THIS IS
4 ALREADY IN TIER I.

5 MR. HARRISON: THIS MODULE IS ALREADY IN
6 TIER I. WE DO HAVE A MOTION ON THE TABLE TO FUND
7 MODULE 1 IN APPLICATION 8039?

8 MR. TORRES: CORRECT.

9 MR. HARRISON: SO UNLESS THE MAKER AND THE
10 SECOND WOULD AGREE TO TAKE IT OFF THE TABLE, WE
11 SHOULD PROCEED TO PUBLIC COMMENT AND A VOTE ON THAT
12 MOTION.

13 DR. PRIETO: OKAY. FIRST, ANY BOARD
14 COMMENT?

15 CHAIRMAN THOMAS: COULD I JUST ASK FOR A
16 BIT OF ELABORATION SO EVERYBODY UNDERSTANDS
17 TECHNOLOGICALLY WHAT WE'RE TALKING ABOUT HERE? WHEN
18 THEY'RE PROPOSING A LARGER FORMAT DEVICE, COULD YOU
19 EXPLAIN TO THE BOARD WHAT THAT MEANS?

20 DR. PRIEST: SO THE CURRENT DEVICE THAT
21 WILL BE IMPLANTED TO CONTAIN THE PANCREATIC
22 PROGENITOR CELLS IN THIS STUDY IS ABOUT THE SIZE OF A
23 CREDIT CARD. AND IT WILL BE NECESSARY TO IMPLANT
24 MULTIPLE DEVICES. HOWEVER, IT WOULD BE MORE AMENABLE
25 TO THE PATIENT, PERHAPS, TO HAVE A SINGLE DEVICE THAT

BARRISTERS' REPORTING SERVICE

1 COULD CONTAIN A LARGER NUMBER OF CELLS. AND THERE'S
2 SOME PROCESS DEVELOPMENT WORK INVOLVED WITH THAT.
3 IT'S NOT A STRAIGHT YOU MAKE IT BIGGER AND YOU PUT
4 MORE CELLS AND THE CELL SURVIVAL COULD BE COMPROMISED
5 IF THE WORK IS NOT DONE IN A MORE STAGED MANNER. IS
6 THAT SUFFICIENT?

7 CHAIRMAN THOMAS: YES, THANK YOU.

8 DR. PRIETO: ANY PUBLIC COMMENT? OKAY.
9 HEARING NONE, CAN WE DO THIS BY VOICE VOTE?

10 MR. HARRISON: NO.

11 DR. PRIETO: OKAY. MARIA, DO YOU WANT TO
12 CALL THE ROLL?

13 MS. BONNEVILLE: ANNE-MARIE DULIEGE. DAVID
14 HIGGINS.

15 DR. HIGGINS: ABSTAIN.

16 MS. BONNEVILLE: STEVE JUELSGAARD.

17 DR. JUELSGAARD: YES.

18 MS. BONNEVILLE: LAUREN MILLER.

19 MS. MILLER: YES.

20 MS. BONNEVILLE: JOE PANETTA.

21 MR. PANETTA: YES.

22 MS. BONNEVILLE: FRANCISCO PRIETO.

23 DR. PRIETO: AYE.

24 MS. BONNEVILLE: ROBERT QUINT.

25 DR. QUINT: YES.

BARRISTERS' REPORTING SERVICE

1 MS. BONNEVILLE: JONATHAN THOMAS.

2 CHAIRMAN THOMAS: YES.

3 MS. BONNEVILLE: ART TORRES.

4 MR. TORRES: AYE.

5 MS. BONNEVILLE: DIANE WINOKUR.

6 MS. WINOKUR: YES.

7 MR. HARRISON: MOTION CARRIES WITH EIGHT
8 YES VOTES AND ONE ABSTENTION.

9 DR. PRIETO: OKAY. MOVING ON MODULE BY
10 MODULE, THEN THE NEXT MODULE IS MODULE 3, CURRENTLY
11 IN TIER II. I'LL ENTERTAIN A MOTION TO MOVE THAT
12 INTO TIER I AS PER STAFF RECOMMENDATION. MR.
13 JUELSGAARD.

14 DR. JUELSGAARD: I MOVE THAT WE MOVE THE
15 MODULE 3 OF THIS 08039 INTO TIER -- OR I MOVE THAT WE
16 AGREE WITH STAFF RECOMMENDATION AND FUND THIS
17 PARTICULAR MODULE, MODULE 3.

18 MR. TORRES: SECOND.

19 DR. PRIETO: OKAY. MOVED AND SECONDED.
20 BOARD COMMENTS? ANY PUBLIC COMMENT?

21 MR. REED: I HAVE NO DISAGREEMENT WITH YOUR
22 RECOMMENDATION, BUT I THINK THAT WE NEED TO HAVE A
23 CLEARER EXPLANATION OF WHAT IS BEING FUNDED HERE.
24 PUBLIC PEOPLE DO NOT KNOW ALL THE THINGS THAT YOU
25 KNOW, AND I THINK IT'S REALLY IMPORTANT THAT AT EACH

BARRISTERS' REPORTING SERVICE

1 STAGE WE SPEND AT LEAST A COUPLE PARAGRAPHS IN SAYING
2 WHAT EXACTLY THIS IS.

3 DR. PRIETO: DR. PRIEST, CAN YOU TELL US A
4 LITTLE BIT ABOUT WHAT'S IN MODULE 3 AND THE REASON
5 FOR THE STAFF RECOMMENDATION?

6 DR. PRIEST: OF COURSE. MODULE 3 CONTAINS
7 SCALE-UP ACTIVITIES, SO HOW TO MAKE MORE CELLS MORE
8 EFFICIENTLY AND MORE EFFECTIVELY. DEVICE
9 DEVELOPMENT, SO CONTINUATION OF SOME OF THE EARLIER
10 WORK DISCUSSED IN THE MODULE 1. AND BRIDGING STUDIES
11 TO MAKE THOSE DEVICES IN A LARGER FORMAT WITH MORE
12 CELLS AVAILABLE FOR MOVING INTO THE PHASED TRIALS.
13 SO WE NEED TO BRIDGE THEM IN. AND THERE ARE SOME
14 STUDIES THAT WILL NEED TO BE DONE TO SHOW THAT THE
15 DEVICE IS WORKING SIMILARLY AS THE SMALLER DEVICE
16 THAT HAS ALREADY BEEN INVESTIGATED.

17 MR. REED: MY QUESTION IS WHAT IS THIS FOR?
18 I KNOW WHAT IT IS. THIS IS NOT CLEAR. YOU'RE USING
19 TECHNICAL LANGUAGE WHICH IS NOT UNDERSTOOD BY THE
20 GENERAL PUBLIC, INCLUDING MYSELF, AND I COME TO AS
21 MANY OF THESE AS I CAN, WHAT DISEASE THIS IS INTENDED
22 TO HELP? WHAT IS THIS FOR?

23 DR. PRIETO: I MAY BE ABLE TO SHED A LITTLE
24 BIT OF LIGHT ON THIS. SO THE ISSUE IN DIABETES AND
25 IN THIS PARTICULAR TREATMENT APPROACH FOR DIABETES IS

BARRISTERS' REPORTING SERVICE

1 IN PART A QUESTION OF SIZE AND SCALE. A LOT OF THE
2 ANIMAL STUDIES THAT HAVE BEEN DONE HAVE BEEN DONE IN
3 VERY SMALL ANIMALS WITH SHORTER LIFE SPANS. AND THE
4 NUMBER OF CELLS NEEDED TO MAINTAIN WHAT WE CALL
5 GLUCOSE -- MAINTAIN A NORMAL BLOOD SUGAR AND PREVENT
6 ALL THE TERRIBLE COMPLICATIONS OF DIABETES IS
7 DEPENDENT IN PART ON THE SIZE OF THE ANIMAL. AND
8 THERE'S A CERTAIN THRESHOLD, AND WE DON'T KNOW
9 EXACTLY WHERE THAT IS, OF HOW MANY CELLS DO YOU NEED,
10 BUT IT SEEMS CLEAR THAT THE CREDIT CARD SIZE DEVICE
11 THAT VIACYTE IS CURRENTLY WORKING WITH IS NOT
12 ADEQUATE. ONE OR TWO OF THOSE WILL PROBABLY NOT BE
13 SUFFICIENT FOR A HUMAN. SO THEY ARE WORKING ON
14 DEVELOPING A LARGER DEVICE AND TRANSITIONING THEIR
15 CURRENT TECHNOLOGY INTO THIS LARGER DEVICE. AND THEN
16 MOVING THAT FORWARD, HOW DO YOU MANUFACTURE THE
17 LARGER DEVICE? HOW DO YOU ANSWER ALL THE TECHNICAL
18 QUESTIONS? SO IT WAS FELT TO BE --

19 MR. REED: THAT I DO UNDERSTAND, BUT THIS
20 IS THE SECOND ONE WE'RE TALKING ABOUT. WE'RE TALKING
21 ABOUT MODULE 3.

22 DR. PRIETO: THESE ARE SEPARATE RELATED
23 ISSUES REGARDING BRINGING THAT LARGER DEVICE TO AN
24 ACTUAL MANUFACTURING -- MANUFACTURABLE STATE.

25 DR. MILLS: I THINK I SEE WHAT THE QUESTION

BARRISTERS' REPORTING SERVICE

1 IS. EACH PROGRAM, EACH OVERALL PROGRAM SUBMITTED A
2 PLAN, AND THOSE PLANS HAD MULTIPLE MODULES. SO THIS
3 IS MODULE 1 AND MODULE 3, ALL UNDER THAT SAME
4 UMBRELLA PROGRAM.

5 MR. REED: BOTH OF THESE ARE THE VIACYTE
6 THING?

7 DR. MILLS: YES. THEY ARE MODULE 1 AND
8 MODULE 3 UNDER VIACYTE.

9 MR. REED: PLEASE REMEMBER WE DON'T KNOW
10 WHAT YOU GUYS ARE TALKING ABOUT A LOT OF THE TIME.

11 DR. MILLS: SORRY ABOUT THAT.

12 CHAIRMAN THOMAS: THANK YOU, DON, FOR THAT
13 COMMENT. WE NEED TO MAKE SURE THAT WE ARE CLEAR.

14 I HAVE A QUESTION, DR. PRIEST. THE PHRASE
15 "DEVICE DEVELOPMENT" APPEARS IN BOTH MODULE 1 AND
16 MODULE 3. PRESUMABLY THERE'S NO OVERLAP IN FUNDING
17 FOR WHATEVER ASPECTS WE'RE TALKING ABOUT. COULD YOU
18 JUST ADDRESS THAT QUESTION?

19 DR. PRIEST: THAT'S CORRECT. THESE TWO
20 STATEMENTS AND ACTIVITIES DO NOT OVERLAP. ONE IS, IF
21 YOU WILL, AN INTERMEDIATE SIZE AND THEN A LARGE SIZE
22 IF YOU WOULD LIKE TO THINK OF IT THAT WAY. SO IT IS
23 STAGED PROGRESS. AND, OF COURSE, THE CIRM TEAM IN
24 THE CONTRACTING STAGE WOULD WORK WITH THE APPLICANT
25 TO SET UP MILESTONES THAT MAKE SURE THAT THE WORK

BARRISTERS' REPORTING SERVICE

1 DOES NOT PROGRESS FASTER THAN IT SHOULD. WE WILL BE
2 CONTINUALLY CHECKING IN WITH THE TEAM TO MAKE SURE
3 THAT THE MILESTONE IS MET BEFORE WE AUTHORIZE
4 PROGRESS ONTO THE NEXT SET OF ACTIVITIES.

5 CHAIRMAN THOMAS: AND A POINT THAT'S BEEN
6 MADE I'D LIKE TO REITERATE. THIS PARTICULAR PRODUCT
7 BY VIACYTE REPRESENTS THE FIRST EMBRYONIC STEM
8 CELL-DERIVED PRODUCT FUNDED BY CIRM TO ENTER HUMAN
9 CLINICAL TRIALS. SO THIS IS A BIG DEAL DEVELOPMENT
10 FOR CIRM AND FOR THE FIELD.

11 DR. PRIETO: ANY OTHER QUESTIONS OR
12 COMMENTS? MARIA, CAN WE CALL THE ROLL.

13 MS. BONNEVILLE: ANNE-MARIE DULIEGE. DAVID
14 HIGGINS.

15 DR. HIGGINS: ABSTAIN.

16 MS. BONNEVILLE: STEVE JUELSGAARD.

17 DR. JUELSGAARD: YES.

18 MS. BONNEVILLE: LAUREN MILLER.

19 MS. MILLER: YES.

20 MS. BONNEVILLE: JOE PANETTA.

21 MR. PANETTA: YES.

22 MS. BONNEVILLE: FRANCISCO PRIETO.

23 DR. PRIETO: AYE.

24 MS. BONNEVILLE: ROBERT QUINT.

25 DR. QUINT: YES.

BARRISTERS' REPORTING SERVICE

1 MS. BONNEVILLE: AL ROWLETT. OS STEWARD.
2 JONATHAN THOMAS.

3 CHAIRMAN THOMAS: YES.

4 MS. BONNEVILLE: ART TORRES.

5 MR. TORRES: AYE.

6 MS. BONNEVILLE: DIANE WINOKUR.

7 MS. WINOKUR: YES.

8 MR. HARRISON: MOTION CARRIES WITH EIGHT
9 YES VOTES AND ONE ABSTENTION.

10 DR. PRIETO: OKAY. WITH THIS, I THINK I'M
11 CONFLICTED AND WE'LL TURN THIS OVER TO JEFF.

12 MR. SHEEHY: SO I THINK FIRST MAYBE WHAT
13 WOULD BE HELPFUL IF, DR. PRIEST, COULD YOU GIVE A
14 DISCUSSION OF THE GRANT IN TIER II AND THE STAFF
15 RECOMMENDATION ON IT SO THAT WE HAVE -- WE'LL START
16 WITH A LITTLE BACKGROUND BECAUSE I DO AGREE WITH -- I
17 UNDERSTAND WHY SOME MEMBERS OF THE PUBLIC WERE
18 FINDING THIS A BIT CONFUSING.

19 DR. PRIEST: SO NOW WE'LL MOVE ON TO A
20 DISCUSSION OF THE SECOND APPLICATION THAT WAS ON THE
21 LARGE TABLE. AND THIS IS APPLICATION NUMBER --
22 APPLICANT 1-08040, AND IT'S FOCUSED IN THE AREA OF
23 RETINITIS PIGMENTOSA.

24 THIS APPLICANT MODULE 2.2, WHICH IS THE
25 MODULE THAT WAS PLACED IN TIER II BY THE GRANTS

BARRISTERS' REPORTING SERVICE

1 WORKING GROUP, LOOKS AT STUDIES TO REPEAT THE DOSING
2 OF THE CELLULAR PRODUCTS THAT THE TEAM IS DEVELOPING.
3 SO PHASE I CLINICAL TRIAL AS IT'S WRITTEN IS TO
4 ADMINISTER CELLS INTO ONE EYE OF PATIENTS. IF THAT
5 IS FAVORABLE, THEY WOULD LIKE THE OPPORTUNITY TO
6 DEVELOP A PROGRAM WHERE YOU COULD DOSE EITHER INTO
7 BOTH EYES ON A PATIENT OR REPEAT DOSING OVER TIME.

8 SO THIS MODULE CONSISTS OF STUDIES LOOKING
9 AT REPEATED DOSING. AND THE RECOMMENDATION FROM THE
10 CIRM STAFF IS ACTUALLY NOT TO FUND THIS MODULE AT
11 THIS TIME. IF THE PHASE I CLINICAL STUDIES SUGGEST
12 THAT A SINGLE ADMINISTRATION IS SAFE AND PROVIDES
13 BENEFIT TO PATIENTS, AND IF DATA SUGGESTS IT COULD BE
14 ENHANCED BY MULTIPLE INJECTIONS, IT WILL CERTAINLY BE
15 IMPORTANT TO UNDERSTAND WHAT HAPPENS TO THOSE CELLS
16 AFTER MULTIPLE ADMINISTRATIONS. HOWEVER, THE
17 PROPOSED ACTIVITIES TO ADDRESS THIS QUESTION NEED NOT
18 INITIATE IMMEDIATELY TO ADVANCE THE OVERALL
19 DEVELOPMENT PROGRAM FOR THE TEAM. IF THERE IS A
20 DELAY IN STARTING THIS, THE GRANTS WORKING GROUP AND
21 THE CIRM TEAM FELT THAT THE PROGRAM COULD STILL BE
22 ACCELERATED OVERALL, BUT IT NEED NOT START
23 IMMEDIATELY ON THESE ACTIVITIES.

24 AND IMPORTANTLY, THE REVIEWERS IN THE
25 GRANTS WORKING GROUP MADE SUGGESTIONS THAT IT COULD

BARRISTERS' REPORTING SERVICE

1 INCREASE THE VALUE OF THESE STUDIES. SO THE
2 RECOMMENDATION FROM THE CIRM TEAM IS THAT THE
3 APPLICANT CONSIDER THE SUGGESTIONS MADE BY THE GRANTS
4 WORKING GROUP AND REAPPLY FOR THIS PROPOSED WORK AT A
5 LATER STAGE IN THEIR DEVELOPMENT PROGRAM.

6 MR. SHEEHY: AND JUST TO KIND OF CLARIFY,
7 BECAUSE THIS WAS KIND OF -- THIS PARTICULAR REVIEW OF
8 THIS APPLICATION KIND OF WENT IN TWO DIRECTIONS
9 BECAUSE IT ACTUALLY DID GET THE YES VOTE, RIGHT. SO
10 THEY DID FEEL LIKE IT WAS SUFFICIENT TO BE REVIEWED,
11 BUT NO MODULES REALLY MADE THE CUT, WHICH IS KIND OF
12 A BIT CONFUSING. SO IN THIS INSTANCE I THINK WHAT
13 THE REVIEWERS RECOGNIZE IS THAT THIS IS A VERY
14 IMPORTANT PROGRAM THAT'S DOING WELL. AND I DO THINK,
15 AS DR. PRIEST HAD SAID, THAT REALLY IMPORTANT
16 INFORMATION WAS GIVEN TO THESE GRANTEES ABOUT HOW
17 THEY COULD ACCELERATE THEIR PROJECT. AND IF, AS DR.
18 MILLS HAS SUGGESTED, WE COULD GET A FASTER
19 TURNAROUND, I THINK THAT THE CLEAR DIRECTION FROM THE
20 GRANTS WORKING GROUP IS COME BACK WITH BETTER
21 DEVELOPED PLANS. WE THINK YOU'VE GOT A GREAT CHANCE
22 OF HAVING SIGNIFICANT SUCCESS WITHIN A FAIRLY SHORT
23 PERIOD OF TIME.

24 SO IN A WAY, AND I THINK THIS IS KIND OF
25 GETTING LOST IN THIS, WE DID GET VERY IMPORTANT

BARRISTERS' REPORTING SERVICE

1 INFORMATION TO THE GRANTEES ABOUT HOW TO MAKE THEIR
2 PROJECTS MORE SUCCESSFUL IN A SHORTER PERIOD OF TIME.
3 AND I DO THINK IT'S VERY IMPORTANT TO KNOW THAT THESE
4 ARE ALL WELL-FUNDED PROJECTS THAT ARE DOING WELL.
5 THESE ARE NOT PROJECTS THAT ARE FAILING. WE WERE
6 LOOKING FOR SUGGESTIONS ON HOW TO MAKE THEM DO BETTER
7 FASTER. AND I THINK THAT THE REVIEW WAS ACTUALLY AN
8 INCREDIBLY IMPORTANT EXERCISE. SO WE'RE GETTING KIND
9 OF MUDDLED AROUND. WE DIDN'T HAVE A HIGH SUCCESS
10 RATE, BUT I THINK THAT WE HAVE REALLY INFORMED OUR
11 APPLICANTS, AND WE REALLY HAVE STARTED THE PROCESS OF
12 ACCELERATING THEIR PROJECTS.

13 MR. PANETTA.

14 MR. PANETTA: THANK YOU. THAT CLARIFIES
15 THE QUESTION THAT I HAD BECAUSE WHAT I WAS THINKING
16 WAS THAT IT LOOKED AS THOSE THESE WERE SIMPLY BEING
17 GIVEN SCORES OF LESS THAN 65 BECAUSE WE WEREN'T READY
18 TO DO THEM YET. AND THAT WAS WHERE THE CONFUSION
19 CAME UP WAS IS THERE A DIFFERENTIATION BETWEEN BEING
20 ABLE TO SAY TO AN APPLICANT YOU'VE GOT A GREAT
21 APPLICATION BUT WE'RE NOT READY TO GO THERE YET
22 VERSUS A SCORE OF LESS THAN 65.

23 MR. SHEEHY: MR. JUELSGAARD.

24 DR. JUELSGAARD: SO THIS IS A PROCESS
25 QUESTION. SO IN THIS SCORING SYSTEM THAT'S BEEN

BARRISTERS' REPORTING SERVICE

1 USED, AND WE'LL LOOK AT THE ONE WE'RE JUST TALKING
2 ABOUT RIGHT NOW, SO WE'VE GOT BOTH AN AVERAGE SCORE
3 AND A MEDIAN SCORE, RIGHT. AND THE MEDIAN SCORE IS,
4 I THINK, 80 IF I'M READING THIS CORRECTLY; WHEREAS,
5 THE AVERAGE SCORE IS 74. DO YOU THROW OUT THE
6 HIGHEST AND LOWEST SCORES IN TERMS OF ANY
7 COMPUTATIONS OR DO YOU USE ALL SCORES?

8 DR. PRIEST: DR. SAMBRANO, MAY I ASK YOU TO
9 ADDRESS THAT QUESTION?

10 DR. SAMBRANO: NO, WE DON'T THROW OUT ANY
11 SCORES BECAUSE WE USE THE AVERAGE. AND THE AVERAGE
12 ALLOWS EACH GRANTS WORKING GROUP MEMBER SCORE TO
13 CONTRIBUTE TO THE OVERALL SCORE. BUT THAT'S ALSO WHY
14 WE INDICATE WHAT THE MEDIAN IS, THE RANGE IS. AND I
15 THINK HERE WHAT YOU HAVE IS A SITUATION WHERE YOU
16 HAVE DIFFERENT VIEW FROM DIFFERENT REVIEWERS OR YOU
17 HAVE A SPLIT, SOME THAT HAD HIGH SCORES FOR THE
18 PROPOSAL AND OTHERS THAT HAD LOW SCORES. AND SO WE
19 TRY IN OUR SUMMARY TO DESCRIBE AS BEST WE CAN THE
20 DIFFERENT VIEWS. AND IN SOME CASES, ESPECIALLY IF IT
21 ENDS UP IN TIER II, IT'S SOMETHING WHERE IT'S A
22 DECISION PERHAPS BETTER MADE AT THE BOARD AS TO WHICH
23 SIDE YOU AGREE WITH. WE PROVIDE THE STAFF
24 RECOMMENDATION ON IF WE AGREE WITH ONE SIDE OR THE
25 OTHER OR IF WE CAN PROVIDE ADDITIONAL INFORMATION

BARRISTERS' REPORTING SERVICE

1 THAT INFORMS YOU IN ORDER TO DECIDE WHICH WAY TO GO.

2 DR. JUELSGAARD: AND SO YOU VIEW THE
3 AVERAGE SCORE AS A BETTER INDICATOR THAN THE MEDIAN
4 SCORE?

5 DR. SAMBRANO: I THINK IT'S A BETTER
6 INDICATOR, BUT I WOULDN'T USE IT BY ITSELF. SO I
7 THINK THE MEDIAN IS A HELPFUL INDICATOR, BUT THE
8 AVERAGE ALLOWS EACH AND EVERY CONTRIBUTOR TO
9 CONTRIBUTE TO THE OVERALL SCORE THAT YOU SEE BECAUSE
10 IF YOU HAVE ONE REVIEWER THAT GIVES A LOW SCORE, THE
11 MEDIAN WILL NOT NECESSARILY REFLECT THAT, BUT THE
12 AVERAGE WILL.

13 MR. SHEEHY: OKAY. SO AT THIS POINT IS
14 THERE EITHER A RECOMMENDATION -- EITHER A MOTION TO
15 ACCEPT THE STAFF RECOMMENDATION OR A MOTION TO NOT
16 ACCEPT?

17 MR. HARRISON: COULD I JUST MAKE ONE
18 SUGGESTION TO TRY TO EXPEDITE THIS? IF WE COULD ASK
19 FOR A MOTION IF ANY MEMBER OF THE BOARD IS INTERESTED
20 IN MOVING MODULE 2.2 INTO TIER I AND FUNDING IT. IF
21 THERE'S NO SUCH MOTION, WE CAN THEN PROCEED WITH A
22 FINAL MOTION TO CLOSE FUNDING ON THIS ROUND.

23 MR. SHEEHY: THAT SOUNDS LIKE A GREAT IDEA.
24 DO I HAVE SUCH A MOTION?

25 MR. TORRES: SO MOVED.

BARRISTERS' REPORTING SERVICE

1 MR. SHEEHY: SO SENATOR TORRES HAS MADE THE
2 MOTION. DO WE HAVE A SECOND? I'LL SECOND IT. SO
3 THAT IS --

4 DR. FINE: WHAT IS THE MOTION?

5 MR. HARRISON: THE MOTION IS TO MOVE --

6 MR. SHEEHY: NO, I'M NOT GOING TO SECOND
7 IT. I GET CONFUSED. SORRY. THIS IS VERY CONFUSING.

8 MR. HARRISON: SO THE MOTION MADE BY
9 SENATOR TORRES WAS TO MOVE MODULE 2.2 IN APPLICATION
10 8040 INTO TIER I AND TO FUND IT. AND NOW WE HAVE THE
11 QUESTION AS TO WHETHER THERE'S A SECOND.

12 MR. TORRES: OH, NO. NO. NO. THAT WAS
13 NOT MY MOTION. MY MOTION WAS TO MOVE THE STAFF
14 RECOMMENDATIONS.

15 MR. SHEEHY: OKAY. SO I DON'T THINK WE
16 HAVE A MOTION. SO THAT MOTION FAILS, DISAPPEARS.

17 SO I THINK NOW WE'RE AT THE GLOBAL MOTION.
18 SO THE MOTION WE WOULD TAKE NOW IS TO FUND EVERYTHING
19 IN TIER I --

20 MR. HARRISON: YOU'VE ACTUALLY ALREADY
21 APPROVED MOTIONS WITH RESPECT TO THE MODULES YOU'D
22 LIKE TO FUND. SO THIS CAN SIMPLY BE A MOTION NOT TO
23 FUND THE REMAINING APPLICATIONS AND MODULES.

24 MR. TORRES: THAT'S MY MOTION. SO MOVED.

25 MR. SHEEHY: THANK YOU, SENATOR TORRES.

BARRISTERS' REPORTING SERVICE

1 DR. JUELSGAARD: I'D SECOND THAT MOTION.

2 MR. SHEEHY: WE GOT A SECOND. SO I THINK
3 WE HAVE A ROLL CALL VOTE WITH THE STANDARD
4 DISCLAIMER.

5 MR. HARRISON: RIGHT. FOR MEMBERS OF THE
6 APPLICATION REVIEW SUBCOMMITTEE WHO ARE VOTING,
7 PLEASE REMEMBER TO INDICATE YES OR NO EXCEPT WITH
8 RESPECT TO THOSE APPLICATIONS WITH WHICH YOU HAVE A
9 CONFLICT IF, IN FACT, YOU DO HAVE A CONFLICT WITH ANY
10 OF THE APPLICATIONS.

11 MS. BONNEVILLE: ANNE-MARIE DULIEGE. DAVID
12 HIGGINS.

13 DR. HIGGINS: ABSTAIN.

14 MS. BONNEVILLE: STEVE JUELSGAARD.

15 DR. JUELSGAARD: YES.

16 MS. BONNEVILLE: SHERRY LANSING. LAUREN
17 MILLER.

18 MS. MILLER: YES.

19 MS. LANSING: I WAS ON MUTE. SHERRY
20 LANSING, YES.

21 MR. HARRISON: EXCEPT WITH RESPECT TO
22 THOSE --

23 MS. LANSING: EXCEPT FOR THE ONES THAT I'M
24 RECUSED FROM.

25 MS. BONNEVILLE: JOE PANETTA.

BARRISTERS' REPORTING SERVICE

1 MR. PANETTA: YES.

2 MS. BONNEVILLE: FRANCISCO PRIETO.

3 DR. PRIETO: YES, EXCEPT FOR THOSE WITH
4 WHICH I HAVE A CONFLICT.

5 MS. BONNEVILLE: ROBERT QUINT.

6 DR. QUINT: YES. NO CONFLICTS.

7 MS. BONNEVILLE: AL ROWLETT. JEFF SHEEHY.

8 MR. SHEEHY: YES, EXCEPT FOR THOSE WITH
9 WHICH I HAVE A CONFLICT.

10 MS. BONNEVILLE: OS STEWARD. JONATHAN
11 THOMAS.

12 CHAIRMAN THOMAS: YES.

13 MS. BONNEVILLE: ART TORRES.

14 MR. TORRES: AYE.

15 MS. BONNEVILLE: DIANE WINOKUR.

16 MS. WINOKUR: YES.

17 MR. HARRISON: MOTION CARRIES WITH TEN YES
18 VOTES AND ONE ABSTENTION.

19 CHAIRMAN THOMAS: MR. SHEEHY, CAN I
20 JUST --

21 MR. SHEEHY: I WAS GOING TO SAY BACK TO
22 YOU.

23 CHAIRMAN THOMAS: THANK YOU. WE HAVE A
24 MEMBER OF THE PUBLIC WHO WOULD LIKE TO SPEAK, THE CEO
25 OF VIACYTE IS HERE. PAUL, IF YOU'D LIKE TO INTRODUCE

BARRISTERS' REPORTING SERVICE

1 YOURSELF.

2 MR. LAIKIND: THANK YOU. I'M PAUL LAIKIND,
3 PRESIDENT AND CEO OF VIACYTE. I WOULD LIKE TO TAKE
4 THIS OPPORTUNITY TO THANK THE MEMBERS OF THE ICOC,
5 THE GRANTS REVIEW WORKING GROUP, THE CIRM STAFF, AND
6 ESPECIALLY THE CITIZENS OF CALIFORNIA, WHOM YOU ALL
7 REPRESENT, FOR THE CONTINUED SUPPORT OF THE WORK
8 WE'RE DOING AT VIACYTE TO DEVELOP WHAT WE HOPE WILL
9 BE AN IMPORTANT, INNOVATIVE, NEW TREATMENT FOR
10 DIABETES.

11 LISTENING TO THESE DISCUSSIONS HAS BEEN
12 VERY INTERESTING. CIRM HAS BEEN A PARTNER WITH US IN
13 THIS ENDEAVOR SINCE THE EARLY DAYS, AND THE
14 CONFIDENCE AND SUPPORT HAS ALLOWED US TO MAKE
15 TREMENDOUS PROGRESS IN THIS PROGRAM.

16 LAST MONTH WE WERE CLEARED BY THE FOOD AND
17 DRUG ADMINISTRATION TO BEGIN CLINICAL TRIALS
18 EVALUATING OUR STEM CELL-DERIVED ISLET REPLACEMENT
19 THERAPY CANDIDATE IN PATIENTS WITH TYPE 1 DIABETES.
20 FOLLOWING UP ON THAT EXCITING NEWS, IT WAS PROBABLY
21 ANNOUNCED JUST YESTERDAY THAT THE FIRST CENTER TO
22 ENROLL PATIENTS IN THIS TRIAL WILL BE THE UNIVERSITY
23 OF CALIFORNIA SAN DIEGO SCHOOL OF MEDICINE. TO OUR
24 KNOWLEDGE THIS WILL BE THE FIRST TIME AN EMBRYONIC
25 STEM CELL-DERIVED CELL REPLACEMENT THERAPY FOR

BARRISTERS' REPORTING SERVICE

1 DIABETES WILL BE TESTED IN THE CLINIC. THIS EXCITING
2 DEVELOPMENT ILLUSTRATES THE IMPORTANCE OF CIRM'S
3 MISSION FOR MEDICINE AND FOR CALIFORNIA. CIRM IS ALL
4 ABOUT BREAKING NEW GROUND, NURTURING PROMISING
5 MEDICAL ADVANCES, AND STIMULATING OUR GREAT STATE'S
6 ECONOMY.

7 I CAN SAY WITHOUT DOUBT THAT THE PROGRESS
8 WE HAVE MADE AT OUR COMPANY IN DEVELOPING OUR
9 THERAPEUTIC CANDIDATE WOULD NOT HAVE BEEN POSSIBLE
10 BUT FOR THE TREMENDOUS SUPPORT WE RECEIVED FROM CIRM.
11 IMPORTANTLY, CIRM SUPPORT HAS BEEN MULTIPLIED. IT
12 HAS HELPED US TO SECURE OTHER FUNDING THAT WE NEED TO
13 DRIVE THIS PROJECT FORWARD. SOME WILL POINT OUT THAT
14 WE ARE STILL AT A VERY EARLY STAGE WITH THIS PROJECT,
15 AND THERE'S NO DENYING THAT. THERE'S MUCH LEFT TO DO
16 AND TO DISCOVER. HOWEVER, TOGETHER WE HAVE MADE
17 TREMENDOUS PROGRESS AND INCREASED THE ODDS OF SUCCESS
18 WITH EACH MILESTONE ACHIEVED. WHATEVER THE OUTCOME,
19 CIRM HAS PUSHED BOUNDARIES OF MEDICINE AND IS STEP BY
20 STEP BRINGING US CLOSER TO REALIZING THE TREMENDOUS
21 PROMISE OF REGENERATIVE MEDICINE. SO FOR THAT I WANT
22 TO AGAIN THANK YOU FOR THE CONTINUED SUPPORT THAT
23 WE'VE HAD.

24 CHAIRMAN THOMAS: THANK YOU VERY MUCH,
25 PAUL, AND CONTINUED GOOD WORK. BEST OF LUCK GOING

BARRISTERS' REPORTING SERVICE

1 FORWARD. WE ARE ALL HEAVILY PULLING FOR YOU.

2 OKAY. WE HAVE THREE RELATIVELY QUICK ITEMS
3 BETWEEN NOW AND EVERYBODY GETTING LUNCH. SO WE'LL
4 PROCEED APACE HERE.

5 ITEM NO. 8, CONSIDERATION OF APPOINTMENT OF
6 A NEW PATIENT ADVOCATE MEMBER TO THE GRANTS WORKING
7 GROUP, WHICH HAS TO STAND AS A SEPARATE SUBITEM FOR
8 ITEM 8. DR. SAMBRANO.

9 DR. SAMBRANO: OKAY. MR. CHAIRMAN, MEMBERS
10 OF THE BOARD, MEMBERS OF THE PUBLIC, THANK YOU VERY
11 MUCH. I'M GOING TO PRESENT THE COMPONENT OF NEW
12 SCIENTIFIC MEMBERS AND THEN REAPPOINTMENT OF
13 SCIENTIFIC MEMBERS TO THE GRANTS WORKING GROUP WHOSE
14 TERMS HAVE NOW EXPIRED OR JUST EXPIRING.

15 SO IN YOUR BOOKS YOU HAVE BIOS FOR NEW
16 MEMBERS. I WILL NAME THOSE. THOSE ARE DRS. ALI SYED
17 ARBAB, JASON BURDICK, MANUELA GERNERT, TIMOTHY
18 HACKER, ALI KHADEMOSSEINI, AND EDMUND MIKUNAS. SO
19 THOSE ARE NEW TO THE GRANTS WORKING GROUP, AND WE
20 REQUEST APPOINTMENT TO THE GRANTS WORKING GROUP OF
21 THOSE INDIVIDUALS.

22 AND THEN THERE IS A TABLE THAT PROVIDES A
23 LIST OF 19 MEMBERS WHO WERE ORIGINALLY APPOINTED IN
24 2008, SO FOR SIX YEARS, AND THEIR APPOINTMENTS HAVE
25 NOW OR ARE EXPIRING. AND IN ACCORDANCE WITH THE

BARRISTERS' REPORTING SERVICE

1 RULES OF PROP 71, THE REAPPOINTMENTS NEED TO BE
2 STAGGERED INTO THIRDS. THAT IS, EACH WITH A TWO-, A
3 FOUR-, OR A SIX-YEAR TERM. SO WE PROPOSED THE TERMS
4 AS SHOWN ON THAT TABLE FOR THESE 19 INDIVIDUALS AND
5 WOULD REQUEST REAPPOINTMENT OF THESE INDIVIDUALS AS
6 SUCH.

7 CHAIRMAN THOMAS: HEAR A MOTION TO THAT
8 EFFECT?

9 MR. SHEEHY: SO MOVED.

10 DR. PRIETO: SECOND.

11 CHAIRMAN THOMAS: MOVED BY MR. SHEEHY,
12 SECONDED BY DR. PRIETO.

13 QUESTION, DR. SAMBRANO. WHAT DOES THAT
14 BRING THE TOTAL POOL TO AT THIS STAGE?

15 DR. SAMBRANO: SO THE TOTAL POOL IS ON THE
16 ORDER OF NEARLY 200 MEMBERS. YOU KNOW, OVER THE LAST
17 NEARLY TEN YEARS WE HAVE HAD APPOINTMENTS ON A MORE
18 OR LESS REGULAR BASIS, BUT SOMETIMES THEY WITHDRAW
19 FROM THE WORKING GROUP FOR VARIOUS REASONS. SOME
20 HAVE COME TO CALIFORNIA, SO WE'VE LOST THEM BECAUSE
21 OF THAT. DR. MILLS, UNFORTUNATELY, WAS ONE OF THOSE,
22 BUT GRATEFUL TO HAVE HIM AS OUR PRESIDENT.

23 CHAIRMAN THOMAS: GLAD YOU POINTED THAT
24 OUT, DR. SAMBRANO.

25 DR. SAMBRANO: BUT WE'RE TRYING TO MAINTAIN

BARRISTERS' REPORTING SERVICE

1 AN ACTIVE ROSTER AS BEST WE CAN. AS WE CONTINUE
2 FORWARD, HAVING THE ABILITY TO SELECT FROM A LARGE
3 POOL LIKE THIS, ESPECIALLY WITH BROAD EXPERTISE, IS
4 GOING TO CONTINUE TO BE IMPORTANT.

5 CHAIRMAN THOMAS: AND FOR THE BOARD'S
6 UNDERSTANDING, HOW DO YOU GO ABOUT SOURCING NEW
7 MEMBERS?

8 DR. SAMBRANO: SO IT'S IN A VARIETY OF
9 WAYS. IN MANY CASES RECOMMENDATIONS FROM OTHER
10 GRANTS WORKING GROUP MEMBERS, US NETWORKING WITH
11 INDIVIDUALS AT MEETINGS, AT SCIENTIFIC CONFERENCES,
12 OBSERVING THEM SPEAKING, AND KNOWING THAT THEY ARE
13 EXPERTS IN PARTICULAR AREAS. AND IN MANY CASES
14 THERE'S ONLY A HANDFUL OF EXPERTS WITHIN CERTAIN
15 AREAS OR CATEGORIES, AND SO SEEKING THEM OUT BECOMES
16 VERY IMPORTANT, AND IN MANY CASES ARE JUST WIDELY
17 KNOWN.

18 CHAIRMAN THOMAS: MR. JUELSGAARD.

19 DR. JUELSGAARD: JUST A QUESTION ABOUT THE
20 REAPPOINTMENTS FOR A MOMENT. HAVE EACH AND EVERY
21 MEMBER OF THE GRANTS WORKING GROUP THAT ARE BEING
22 NOMINATED FOR REAPPOINTMENT, HAVE THEY SERVED ON A
23 GRANTS WORKING GROUP SINCE 2008, AT LEAST ONE?

24 DR. SAMBRANO: YES. I THINK THAT'S TRUE
25 FOR ALMOST EVERYBODY. IF NOT, I CAN'T SEE ONE THAT

BARRISTERS' REPORTING SERVICE

1 HASN'T. BUT THEY ALSO OFTEN PARTICIPATE IN PREAPP
2 REVIEW. SO EVEN THOUGH WE MAY NOT SEE THEM IN
3 PERSON, EITHER THROUGH TELECONFERENCE OR PREAPP
4 REVIEWS, IS OFTEN WHEN WE MAY USE MANY OF THESE. AND
5 ALSO THE TERM OF APPOINTMENT THAT WE ARE RECOMMENDING
6 IS ALSO BASED IN PART ON WHAT THE FUTURE NEED MAY BE.
7 SO WE TRY TO PARSE THEM BASED ON WHAT WE'RE
8 PREDICTING TO BE THE NEED FOR FUTURE GRANTS WORKING
9 GROUP MEETINGS AS WELL AS THEIR ABILITY TO
10 PARTICIPATE.

11 MR. SHEEHY: SO JUST ONE QUICK COMMENT.
12 FIRST OF ALL, I THINK ALL OF US OWE A HUGE DEBT OF
13 GRATITUDE TO THESE REVIEWERS. THEY HAVE BEEN COMING
14 TO CALIFORNIA PERFORMING WITH THE HIGHEST LEVEL OF
15 INTEGRITY. THEY'RE NOT ELIGIBLE TO APPLY FOR OUR
16 GRANTS. AND THIS IS NOT TO DENIGRATE THE NIH, BUT
17 THE NIH PEOPLE ALL PARTICIPATE AS PART OF A COMMUNITY
18 THAT THEY ALL SHARE IN THE BENEFIT OF THIS HAS REALLY
19 BEEN VERY ALTRUISTIC. WHAT WE PROVIDE IN TERMS OF
20 REIMBURSEMENT TO THESE INDIVIDUALS IS NOWHERE NEAR
21 WHAT WE RECEIVE IN RETURN. AND HAVING BEEN IN
22 VIRTUALLY EVERY REVIEW SINCE THE BEGINNING OF THIS
23 AGENCY, THEY HAVE PERFORMED ADMIRABLY. IT'S JUST
24 BEEN BRILLIANT.

25 I ALSO THINK WE SHOULD ACKNOWLEDGE THE WORK

BARRISTERS' REPORTING SERVICE

1 OF DR. SAMBRANO AND HIS STAFF IN RECRUITING THESE
2 FOLKS, KEEPING THEM MOTIVATED TO COME BACK AND SERVE
3 WITH US. IT'S JUST BEEN A SPECTACULAR JOB.

4 CHAIRMAN THOMAS: OKAY. ANY OTHER COMMENTS
5 OR QUESTIONS OF DR. SAMBRANO? DR. LUBIN.

6 DR. LUBIN: HAVE YOU HAD A SITUATION WHERE
7 AN APPLICATION WAS OUTSIDE OF THE REALM OF THE
8 REVIEWERS THAT WE HAD AND YOU BROUGHT SOMEONE IN AD
9 HOC FOR THAT REVIEW? NIH DOES THIS AND I'M JUST
10 CURIOUS.

11 DR. SAMBRANO: VIRTUALLY EVERY REVIEW. SO
12 WE HAVE A CATEGORY OF REVIEWERS THAT WE CALL
13 SPECIALISTS THAT DON'T NECESSARILY HAVE TO BE PART OF
14 THE GRANTS WORKING GROUP. THEIR PARTICIPATION IS
15 MORE LIMITED IN THAT THEY DON'T PROVIDE A SCORE OR
16 RECOMMENDATION, BUT THEY DO PARTICIPATE, YES.

17 CHAIRMAN THOMAS: OKAY. WE HAVE A MOTION
18 ON THE FLOOR TO APPROVE THE NEW MEMBERS AND REAPPOINT
19 THE OLD MEMBERS. I THINK WE CAN DO THIS ON VOICE
20 VOTE, MR. HARRISON.

21 MR. HARRISON: EXCEPT FOR THE FOLKS ON THE
22 PHONE.

23 CHAIRMAN THOMAS: THANK YOU. ALL THOSE IN
24 FAVOR PLEASE SAY AYE. OPPOSED? FOLKS ON THE PHONE
25 PLEASE, MARIA IS GOING TO CALL YOUR NAME. SORRY. I

BARRISTERS' REPORTING SERVICE

1 JUST GOT A VERY DIRTY LOOK IN CASE YOU WEREN'T IN THE
2 ROOM.

3 MS. BONNEVILLE: ELIZABETH FINI.

4 DR. FINI: YES.

5 MS. BONNEVILLE: MICHAEL FRIEDMAN.

6 DR. FRIEDMAN: YES.

7 MS. BONNEVILLE: SHERRY LANSING.

8 MS. LANSING: YES.

9 MS. BONNEVILLE: ART TORRES. KRISTINA
10 VUORI.

11 DR. VUORI: YES.

12 MR. HARRISON: MOTION PASSES.

13 CHAIRMAN THOMAS: THANK YOU. MARIA, WHAT
14 DO WE NEED TO DO WITH RESPECT TO THE NEW PATIENT
15 ADVOCATE MEMBER OF THE GRANTS WORKING GROUP?

16 MS. BONNEVILLE: INTRODUCE HIM AS A NEW
17 PATIENT ADVOCATE TO THE GRANTS WORKING GROUP AND ASK
18 FOR A MOTION, AND THEN WE CAN VOTE ON HAVING HIM BE
19 PART OF THE GRANTS WORKING GROUP.

20 CHAIRMAN THOMAS: THAT SOUNDS GOOD. THANK
21 YOU. WE HAVE MR. HIGGINS IN THE ROOM. SO CAN WE
22 HEAR A MOTION TO APPROVE HIS INCLUSION AS A NEW
23 PATIENT ADVOCATE MEMBER OF THE GRANTS WORKING GROUP.

24 MR. SHEEHY.

25 MR. SHEEHY: SO MOVED.

BARRISTERS' REPORTING SERVICE

1 CHAIRMAN THOMAS: IS THERE A SECOND?

2 DR. PRIETO: SECOND.

3 CHAIRMAN THOMAS: IT'S BEEN MOVED AND
4 SECONDED. ANY COMMENTS BY MEMBERS OF THE BOARD?
5 HEARING NONE, COMMENTS BY MEMBERS OF THE PUBLIC? MR.
6 HARRISON IS ABOUT TO SAY SOMETHING.

7 MR. HARRISON: NO.

8 CHAIRMAN THOMAS: OKAY. PROCEED TO A VOTE.
9 ALL THOSE IN FAVOR OF MR. HIGGINS JOINING AS THE NEW
10 PATIENT ADVOCATE TO THE GRANTS WORKING GROUP PLEASE
11 SAY AYE. OPPOSED? MARIA, WILL YOU PLEASE -- OH,
12 ABSTENTIONS, YES. MR. HIGGINS, I'M SURE, IS GOING TO
13 ABSTAIN.

14 DR. HIGGINS: ABSTAIN.

15 CHAIRMAN THOMAS: YES. THANK YOU. MARIA,
16 WILL YOU PLEASE POLL THOSE ON THE PHONE?

17 MS. BONNEVILLE: ELIZABETH FINI.

18 DR. FINI: YES.

19 MS. BONNEVILLE: MICHAEL FRIEDMAN.

20 DR. FRIEDMAN: YES.

21 MS. BONNEVILLE: SHERRY LANSING.

22 MS. LANSING: YES.

23 MS. BONNEVILLE: ART TORRES. KRISTINA
24 VUORI.

25 DR. VUORI: YES.

BARRISTERS' REPORTING SERVICE

1 MR. HARRISON: MOTION CARRIES.

2 CONGRATULATIONS, MR. HIGGINS.

3 CHAIRMAN THOMAS: FURTHER WELCOME ABOARD,
4 DAVID.

5 ACTION ITEM NO. 9, CONSIDERATION OF
6 APPOINTMENT OF NEW MEMBERS TO THE STANDARDS WORKING
7 GROUP, MR. LOMAX.

8 DR. LOMAX: THANK YOU, MR. CHAIRMAN,
9 MEMBERS OF THE BOARD, MEMBERS OF THE PUBLIC. AS YOU
10 ARE AWARE, WE HAVE A CIRM STANDARDS WORKING GROUP.
11 THIS WORKING GROUP IS CHARGED WITH CONSIDERING
12 STANDARDS FOR THE OVERSIGHT OF OUR FUNDED RESEARCH,
13 AND WE HAVE TWO NEW MEMBERS TO BRING FORWARD FOR YOUR
14 CONSIDERATION.

15 FIRST IS DR. BENHUR LEE FROM MT. SINAI
16 HOSPITAL. I'M VERY PLEASED THAT DR. LEE IS
17 INTERESTED IN PARTICIPATING IN THE STANDARDS WORKING
18 GROUP. HE IS A STEM CELL SCIENTIST. YOU HAVE
19 BACKGROUND MATERIALS ON HIS WORK. AND HE'S ALSO BEEN
20 A SCIENTIST WHO HAS SERVED ON STEM CELL RESEARCH
21 OVERSIGHT COMMITTEES IN THE PAST, SO HE'S VERY AWARE
22 OF THE ISSUES THAT IS COME UP IN THE CONTEXT OF
23 REVIEWING PROPOSALS AND MAKING SURE WE GET THE BEST
24 SCIENCE UNDER THE HIGHEST STANDARDS. SO VERY PLEASED
25 THAT HE HAS EXPRESSED INTEREST AND, LIKE I SAY,

BARRISTERS' REPORTING SERVICE

1 ENCOURAGED THAT WE CAN GET HIM INVOLVED.

2 IN ADDITION, I'D JUST LIKE TO ADD THAT DR.
3 LEE WOULD BE REPLACING DR. TIMOTHY CAMPE FROM THE
4 UNIVERSITY OF WISCONSIN. DR. CAMPE WAS CONCERNED --
5 BECAUSE OF HIS WORK, HE WAS CONCERNED POTENTIALLY
6 BECAUSE OF COLLABORATIONS AND INCREASINGLY SORT OF
7 NETWORKING WITH RESEARCHERS IN CALIFORNIA THAT THERE
8 MIGHT BE A PERCEIVED CONFLICT THERE. I ASSURED HIM
9 THERE WAS NO ACTUAL CONFLICT, BUT HE CHOSE TO STEP
10 DOWN. BUT I'D LIKE TO ACKNOWLEDGE DR. CAMPE'S WORK
11 ON THE STANDARDS WORKING GROUPS, ANOTHER TERRIFIC
12 PARTICIPANT WHO GAVE CONSIDERABLE TIME AND
13 INTELLECTUAL ENERGY TO OUR WORK.

14 IN ADDITION, I'D LIKE TO BRING FORWARD A
15 NOMINATION FOR YOUR CONSIDERATION, SENATOR ART
16 TORRES. AS YOU MAY KNOW, MARCY FEIT WAS ONE OF THE
17 BOARD MEMBERS, PATIENT ADVOCATE BOARD MEMBERS, ON THE
18 WORKING GROUP. AGAIN, A FANTASTIC PARTICIPANT OF
19 TREMENDOUS INTELLECT THAT WE WILL MISS, BUT, AGAIN,
20 SENATOR TORRES HAS AGREED -- EXPRESSED INTEREST IN
21 SERVING.

22 SO, AGAIN, FOR YOUR CONSIDERATION
23 DR. BENHUR LEE AND SENATOR ART TORRES FOR THE
24 STANDARDS WORKING GROUP.

25 CHAIRMAN THOMAS: HEAR A MOTION TO THAT

BARRISTERS' REPORTING SERVICE

1 EFFECT?

2 DR. PRIETO: MOVE WE ACCEPT THE
3 RECOMMENDATION.

4 MR. SHEEHY: SECOND.

5 CHAIRMAN THOMAS: MOVED BY DR. PRIETO,
6 SECONDED BY MR. SHEEHY. FURTHER DISCUSSION OF
7 MEMBERS OF THE BOARD? ANY COMMENTS FROM MEMBERS OF
8 THE PUBLIC? HEARING NONE, VOICE VOTE IN THE ROOM.
9 ALL THOSE IN FAVOR PLEASE SAY AYE. OPPOSED? MARIA,
10 PLEASE CALL THE ROLL.

11 MS. BONNEVILLE: ELIZABETH FINI.

12 DR. FINI: YES.

13 MS. BONNEVILLE: MICHAEL FRIEDMAN.

14 DR. FRIEDMAN: YES.

15 MS. BONNEVILLE: SHERRY LANSING.

16 MS. LANSING: YES.

17 MS. BONNEVILLE: KRISTINA VUORI.

18 DR. VUORI: YES.

19 MR. HARRISON: MOTION IS APPROVED.

20 CHAIRMAN THOMAS: THANK YOU. I'LL PROCEED
21 TO ITEM 10, CONSIDERATION OF POLICY REGARDING
22 NOTIFICATION BY CIRM EMPLOYEES OF PROSPECTIVE
23 EMPLOYMENT. DR. MILLS AND MR. HARRISON.

24 DR. MILLS: SO THIS POLICY ACTUALLY COMES
25 OUT OF A RECOMMENDATION OR A COMMENT THAT WAS MADE BY

BARRISTERS' REPORTING SERVICE

1 DR. FRIEDMAN AT THE LAST BOARD MEETING. AND IT WAS
2 MADE IN RESPONSE TO CONFLICTS OF INTEREST AND
3 SUBSEQUENT EMPLOYMENT BY MEMBERS OF CIRM. IF YOU
4 WILL RECALL, AT THE LAST BOARD MEETING, I VOLUNTARILY
5 ENTERED INTO AN AGREEMENT WHERE I AGREED TO NOT
6 ENGAGE IN ANY EMPLOYMENT-RELATED ACTIVITIES WITH ANY
7 CIRM RECIPIENT FOR ONE YEAR FOLLOWING MY TENURE AS
8 PRESIDENT OF CIRM. AND AS A RESULT OR A QUESTION OF
9 THAT, DR. FRIEDMAN ASKED THE QUESTION OR POSED THE
10 CONCEPT THAT WHILE THAT STANDARD MIGHT BE A GOOD
11 THING FOR ME TO DO, IT'S NOT NECESSARILY APPROPRIATE
12 FOR THE ACTUAL TEAM MEMBERS OF CIRM. AND I
13 COMPLETELY AGREE WITH HIS SENTIMENT THERE.

14 SIMILARLY, HOWEVER, THOUGH, WE DO NEED TO
15 TAKE PROACTIVE MEASURES TO MAKE SURE PROCEDURES ARE
16 IN PLACE THAT WOULD PREVENT A CIRM MEMBER WHO WAS
17 ENGAGED IN AN EMPLOYMENT-RELATED DISCUSSION WITH A
18 GRANT AWARDEE OR ONE THAT WAS IN THE APPLICATION
19 PROCESS FROM BEING ABLE TO MAKE DECISIONS AND
20 INFLUENCING THAT, THE STANDARD CONFLICT OF INTEREST.
21 AND SO THAT'S WHAT WE ATTEMPTED TO DO.

22 WE WANT TO AFFIRM THAT TEAM MEMBERS OF
23 CIRM ARE ELIGIBLE TO SEEK EMPLOYMENT. MANY, MOST OF
24 THE INSTITUTIONS IN THE STATE OF CALIFORNIA THAT
25 RECEIVE GRANT FUNDING FROM CIRM WOULD ALSO BE THE

BARRISTERS' REPORTING SERVICE

1 TYPES OF INSTITUTIONS THAT WOULD BE VERY FORTUNATE TO
2 HAVE MANY OF OUR MEMBERS. AND I WOULDN'T WANT TO DO
3 ANYTHING FROM OUR SIDE THAT WOULD PRECLUDE THEM FROM
4 BEING ABLE TO GO THERE IN AN APPROPRIATE MANNER. AND
5 THE REASON FOR THAT ISN'T THAT I WANT TO LOSE THEM,
6 BUT I WANT TO BE ABLE TO RECRUIT THEM AWAY FROM THE
7 INSTITUTIONS AS WELL AND KNOW THAT JUST BECAUSE THEY
8 COME TO CIRM, THEY WON'T FOREGO OPPORTUNITIES FOR
9 EMPLOYMENT IN OTHER PLACES WHERE THEY LIKELY WOULD.

10 AND SO WITH THAT, I ASKED JAMES TO HELP
11 CONSTRUCT, AND I THINK HE DID A FINE JOB, A POLICY OR
12 A PROCEDURE THAT WOULD ENABLE A CIRM EMPLOYEE WHO IS
13 ENGAGED IN A POTENTIAL EMPLOYMENT CONSIDERATION WITH
14 A GRANT RECIPIENT OF CIRM A MECHANISM BY WHICH THEY
15 COULD CONFIDENTIALLY DISCLOSE THAT TO COUNSEL, GET
16 THE APPROPRIATE ADVICE FROM COUNSEL THAT WOULD THEN
17 PROACTIVELY PRECLUDE THEM FROM ENTERING INTO OR
18 INADVERTENTLY VIOLATING A CONFLICT OF INTEREST
19 STANDARD.

20 MR. HARRISON: SO JUST AS A QUICK NOTE,
21 STATE LAW ALREADY PROHIBITS STATE ADMINISTRATIVE
22 OFFICIALS FROM PARTICIPATING IN A DECISION IN WHICH A
23 PROSPECTIVE EMPLOYER IS INVOLVED. SO THIS POLICY IS
24 REALLY DESIGNED TO PROTECT CIRM TEAM MEMBERS AGAINST
25 INADVERTENT VIOLATIONS OF THE LAW AND ALSO TO PROTECT

BARRISTERS' REPORTING SERVICE

1 THE INTEGRITY OF CIRM'S DECISION-MAKING PROCESS BY
2 ENSURING THAT ONCE EMPLOYEES ARE IN A POSITION WHERE
3 THEY HAVE BEGUN THOSE SORTS OF DISCUSSIONS, THEY KNOW
4 THAT THEY NEED TO STEP ASIDE AND REFRAIN FROM
5 PARTICIPATING IN ANY DECISIONS INVOLVING THE
6 PROSPECTIVE EMPLOYER.

7 SO THE POLICY WOULD PROVIDE AS FOLLOWS:
8 EMPLOYEES WOULD BE ASKED TO CONTACT CIRM'S LEGAL
9 OFFICE WHEN THE EMPLOYEE BEGINS DISCUSSIONS WITH A
10 PROSPECTIVE EMPLOYER THAT IS EITHER A CIRM GRANTEE OR
11 LOAN RECIPIENT OR AN ENTITY THAT IS CURRENTLY
12 APPLYING FOR CIRM FUNDS. CIRM'S LEGAL COUNSEL WOULD
13 MAINTAIN THE CONFIDENCE OF THAT INFORMATION AND
14 ADVISE THE EMPLOYEE OF HIS OR HER RESPONSIBILITIES
15 UNDER THE LAW AND THE STEPS THAT HE OR SHE NEEDS TO
16 TAKE IN ORDER TO REMAIN IN COMPLIANCE, AND THE
17 EMPLOYEE WOULD THEN BE ASKED TO REFRAIN FROM
18 PARTICIPATING IN ANY DECISIONS REGARDING THE
19 PROSPECTIVE EMPLOYER.

20 THE POLICY IS DESIGNED INTENTIONALLY TO BE
21 FLEXIBLE BECAUSE OBVIOUSLY THERE ARE A VARIETY OF
22 CIRCUMSTANCES THAT MAY PRESENT THEMSELVES. AND WHAT
23 MIGHT BE APPROPRIATE IN TERMS OF THE STEPS TO BE
24 TAKEN TO PREVENT INADVERTENT VIOLATIONS IN A CASE MAY
25 BE DIFFERENT THAN ANOTHER. SO WE WOULD APPROACH THIS

BARRISTERS' REPORTING SERVICE

1 ON A VERY FLEXIBLE BASIS TO MAKE SURE THAT BOTH TEAM
2 MEMBERS AS WELL AS THE INTEGRITY OF OUR
3 DECISION-MAKING PROCESSES ARE PROTECTED. I'D BE
4 HAPPY TO ANSWER ANY QUESTIONS.

5 CHAIRMAN THOMAS: MR. JUELSGAARD.

6 DR. JUELSGAARD: SO, JAMES, AS I READ WHAT
7 YOU PUT TOGETHER, THE PROCESS THAT YOU DESCRIBED FOR
8 EMPLOYEES IS ADVISORY, NOT MANDATORY?

9 MR. HARRISON: THAT'S CORRECT.

10 DR. JUELSGAARD: YOU'RE SUGGESTING THAT
11 EMPLOYEES DO THIS, BUT NOT REQUIRING THAT THEY DO IT?

12 MR. HARRISON: THAT'S CORRECT. WE'VE TRIED
13 TO BALANCE INDIVIDUAL'S PRIVACY INTEREST AND
14 OBVIOUSLY THEIR ABILITY TO LOOK FOR FUTURE EMPLOYMENT
15 OPPORTUNITIES WITH OUR DESIRE TO PROTECT THE
16 INTEGRITY OF THE AGENCY'S DECISION-MAKING PROCESS AND
17 TO PROTECT THE EMPLOYEES THEMSELVES.

18 CHAIRMAN THOMAS: DR. PRIETO.

19 DR. PRIETO: WHY NOT MAKE THIS MANDATORY?

20 MR. HARRISON: WELL, WE WERE CONCERNED
21 ABOUT A COUPLE OF ISSUES. ONE, WE ARE LAWYERS FOR
22 CIRM AND FOR YOU AS A BOARD, NOT FOR THE INDIVIDUAL
23 EMPLOYEES. WE'RE MAINTAINING THE CONFIDENCE OF THIS
24 INFORMATION BASED ON DIRECTION FROM THE PRESIDENT
25 THAT WE ARE AUTHORIZED TO DO SO. ORDINARILY A LAWYER

BARRISTERS' REPORTING SERVICE

1 WOULD NOT BE ALLOWED TO MAINTAIN THE PRIVACY OF THE
2 INFORMATION LIKE THAT.

3 WE HOPE THAT EMPLOYEES WILL FEEL
4 COMFORTABLE GIVEN THE ASSURANCE FROM THE PRESIDENT
5 THAT WE'LL MAINTAIN THE CONFIDENCE OF THAT
6 INFORMATION, BUT WE UNDERSTAND THAT THERE MAY BE
7 INDIVIDUAL PRIVACY CONCERNS. AND WE WERE THEREFORE
8 SOMEWHAT CAUTIOUS IN MANDATING THAT THEY DISCLOSE TO
9 US.

10 DR. JUELSGAARD: WELL, I WONDER, JAMES,
11 WHETHER WE COULD EVEN MAKE IT MANDATORY, WHETHER WE
12 COULD GO BEYOND WHAT STATE LAW REQUIRES. I THINK
13 THAT THAT WOULD REQUIRE A LITTLE RESEARCH TO FIGURE
14 OUT WHETHER THAT'S POSSIBLE.

15 MR. HARRISON: THAT WAS ANOTHER CONCERN.
16 ONE OF THE INTERESTING THINGS ABOUT CONFLICT OF
17 INTEREST LAWS IS THAT IT'S A RESPONSIBILITY IMPOSED
18 UPON THE INDIVIDUAL PUBLIC OFFICIAL. IN FACT, THERE
19 ARE MANY STATE AGENCIES THAT ACTUALLY REFUSE TO
20 PROVIDE ANY ADVICE ABOUT CONFLICTS OF INTEREST TO
21 MEMBERS OR STAFF ON THE GROUNDS THAT IT'S THEIR
22 INDIVIDUAL RESPONSIBILITY. WE TAKE THE VIEW THAT
23 IT'S IMPORTANT TO ADVISE YOU AND OUR TEAM MEMBERS TO
24 PROTECT CIRM ITSELF AND THE INTEGRITY OF OUR
25 DECISIONS. BUT THAT WAS A CONCERN AS WELL, WHICH IS

BARRISTERS' REPORTING SERVICE

1 WHY WE DID NOT MAKE IT MANDATORY.

2 CHAIRMAN THOMAS: DR. LEVIN.

3 DR. LEVIN: SO NOT REALLY MY BUSINESS AND
4 NOT MY AREA OF EXPERTISE, BUT I'M STILL KIND OF
5 CURIOUS HOW THIS IS GOING TO WORK. IMAGINE IF AN
6 EMPLOYEE WILL COME TO YOU TO DISCLOSE CONFIDENTIALLY
7 THEY'RE IN DISCUSSIONS WITH A CIRM GRANTEE SO AS NOT
8 TO TELL THE ENTIRE ORGANIZATION AND THEN AN
9 OPPORTUNITY COMES UP. RANDY SAYS, HEY, GO WORK ON
10 THIS GRANT. NOW THEY SAY, NO, I'M NOT GOING TO DO
11 IT. HOW DO THEY -- THEN THE CONFIDENTIALITY IS LOST
12 OR THEY LOOK INSUBORDINATE. IS THERE A MECHANISM FOR
13 DOING THAT?

14 MR. HARRISON: WELL, AGAIN, AS I SAID
15 EARLIER, WE TRIED TO BE SOMEWHAT FLEXIBLE IN
16 DESIGNING THIS BECAUSE IT WILL DEPEND ON THE
17 CIRCUMSTANCES. UNDER THE CIRCUMSTANCES THOUGH, WE
18 WOULD ADVISE THE EMPLOYEE THAT HE OR SHE HAS TO
19 ADVISE DR. MILLS THAT THEY CAN'T PARTICIPATE IN
20 WHATEVER DECISION IS AT ISSUE, AND IT WILL BE UP TO
21 THAT EMPLOYEE WHETHER OR NOT HE OR SHE IS COMFORTABLE
22 SHARING THE REASON WHY. THEY CERTAINLY WON'T BE
23 REQUIRED TO. BUT THAT'S AN OBLIGATION THAT'S
24 IMPOSED, AGAIN, BY EXISTING LAW.

25 DR. MILLS: BUT I WOULD SAY, THOUGH, IT'S

BARRISTERS' REPORTING SERVICE

1 IMPORTANT TO KNOW THAT THERE ARE MEMBERS OF THE CIRM
2 TEAM THAT HAVE CONFLICTS OF INTEREST THAT AREN'T FOR
3 THESE REASONS. THEY EXIST NOW. SO IF SOMEBODY WERE
4 TO COME TO ME AND SAY I CAN'T DO THAT PROJECT BECAUSE
5 I HAVE A CONFLICT OF INTEREST, THAT WOULDN'T SEEM
6 UNUSUAL TO ME.

7 MR. PANETTA: JAMES, SO GIVEN THAT THIS IS
8 AN IMPORTANT ISSUE, AND WHAT WE'VE GOT IS A POLICY,
9 BUT IT'S UP TO THE INDIVIDUAL EMPLOYEE TO UNDERSTAND
10 THAT HE OR SHE IS PROHIBITED FROM ENGAGING IN
11 EMPLOYMENT DISCUSSION AND THEN BEING INVOLVED IN A
12 DECISION INVOLVING FUNDING, DO WE PROVIDE ANY
13 COUNSELING TO CIRM EMPLOYEES RELATIVE TO THE CONFLICT
14 OF INTEREST LAWS WHEN THEY COME TO WORK AT CIRM, OR
15 DO YOU DO THAT DURING --

16 MR. HARRISON: YES. AND TO SOME DEGREE
17 THAT HAS ALREADY BEEN HAPPENING INFORMALLY.
18 EMPLOYEES ARE VERY WELL AWARE OF THE CONFLICT RULES
19 UNDER WHICH WE OPERATE. AND AS RANDY SAID, IT'S NOT
20 UNCOMMON FOR AN EMPLOYEE TO HAVE TO RECUSE HIMSELF OR
21 HERSELF FROM PARTICIPATING IN A DECISION BASED ON A
22 CONFLICT JUST AS IT IS FOR ALL OF YOU. SO THEY ARE
23 VERY FAMILIAR WITH THE RULES, AND WE DO COUNSEL THEM.
24 AND THIS SORT OF ADVICE ALREADY HAPPENS ON AN AD HOC
25 BASIS. WE THOUGHT IT WAS IMPORTANT TO FORMALIZE IT

BARRISTERS' REPORTING SERVICE

1 SO EMPLOYEES KNEW WHAT OUR HOPES AND EXPECTATIONS
2 WERE AND SO THAT THEY KNEW THEY WOULD HAVE AN
3 OPPORTUNITY FOR CONFIDENCE COUNSELING ON ISSUES LIKE
4 THIS BECAUSE WE RECOGNIZE THEY'RE SENSITIVE.

5 DR. BURTIS: THE OPERATIVE WORD IS JUST
6 SHOULD, SO IT'S AN ADVISORY. WOULD THIS ALSO --
7 WOULD THERE EVER BE THE CIRCUMSTANCE WHERE WE WOULD
8 APPLY THIS TO THE GRANTEES AND SAY, IF YOU ARE GOING
9 TO ENTER EMPLOYMENT DISCUSSIONS WITH ONE OF OUR CIRM
10 EMPLOYEES, YOU SHOULD ADVISE THE COUNSEL AT CIRM FROM
11 THE OTHER SIDE?

12 MR. HARRISON: WELL, WE COULD ASK. THAT
13 MAY RAISE CONCERNS ON THE PART OF SOME OF OUR
14 GRANTEES AND, FRANKLY, ALSO ON THE PART OF OUR
15 EMPLOYEES BECAUSE IT COULD BE PERCEIVED AS A
16 RESTRAINT ON TRADE ON THEIR ABILITY TO FIND OTHER
17 EMPLOYMENT. AND AS RANDY SAID, IT WOULD BE NATURAL
18 FOR SOME OF THE INSTITUTIONS THAT ARE FUNDED BY CIRM
19 TO WANT TO RECRUIT CIRM TEAM MEMBERS. SO WE DON'T
20 WANT TO IN ANY WAY INTERFERE WITH THAT. WE JUST WANT
21 TO MAKE SURE WE HAVE A MECHANISM IN PLACE SO THAT
22 EMPLOYEES KNOW THAT THEY CAN GET ADVICE IN A
23 CONFIDENTIAL MANNER THAT WILL PROTECT THEM AND THAT
24 WILL PROTECT THE AGENCY. THANK YOU.

25 CHAIRMAN THOMAS: THANK YOU, MR. HARRISON.

BARRISTERS' REPORTING SERVICE

1 DO WE HAVE A MOTION TO APPROVE THIS POLICY?

2 MR. SHEEHY: SO MOVED.

3 CHAIRMAN THOMAS: MOVED BY MR. SHEEHY.

4 DR. PRIETO: SECOND.

5 CHAIRMAN THOMAS: SECONDED BY DR. PRIETO.

6 ANY FURTHER DISCUSSION FROM MEMBERS OF THE BOARD?

7 DISCUSSION FROM MEMBERS OF THE PUBLIC? HEARING NONE,

8 IS THIS A VOICE VOTE AS WELL, MR. HARRISON. YES.

9 ALL THOSE IN FAVOR IN THE ROOM PLEASE SAY AYE.

10 OPPOSED? ABSTENTIONS? MARIA, PLEASE POLL THOSE ON

11 THE PHONE.

12 MS. BONNEVILLE: ELIZABETH FINI.

13 DR. FINI: YES.

14 MS. BONNEVILLE: MICHAEL FRIEDMAN.

15 DR. FRIEDMAN: YES.

16 MS. BONNEVILLE: SHERRY LANSING.

17 MS. LANSING: YES.

18 MS. BONNEVILLE: ART TORRES. AND KRISTINA

19 VUORI.

20 DR. VUORI: YES.

21 CHAIRMAN THOMAS: MOTION PASSES. THANK

22 YOU, EVERYBODY. WE'VE NOW COME TO THE VERY IMPORTANT

23 PART OF THE AGENDA, WHICH IS LUNCH.

24 MS. BONNEVILLE: SPOTLIGHT.

25 CHAIRMAN THOMAS: YES. THANK YOU, MARIA.

BARRISTERS' REPORTING SERVICE

1 I WAS JUST GETTING TO THAT.

2 MS. BONNEVILLE: THAT'S GOOD.

3 CHAIRMAN THOMAS: WE WOULD LIKE EVERYBODY
4 TO GO GET THEIR LUNCH WHEN MARIA TELLS US WHERE THAT
5 IS AND TO COME RIGHT BACK BECAUSE WE HAVE THE LATEST
6 IN A VERY INTERESTING SERIES OF SPOTLIGHTS TO HEAR
7 WHILE WE ARE HAVING LUNCH. AND THEN AFTER THAT, WE
8 WILL FINISH UP WITH THE AGENDA. SO, MARIA, WHICH
9 ROOM ARE WE GOING TO HERE?

10 MS. BONNEVILLE: LUNCH IS THE SAME ROOM WE
11 HAD BREAKFAST IN THIS MORNING, JUST ACROSS THE
12 HALLWAY AND DOWN JUST ONE ROOM.

13 CHAIRMAN THOMAS: OKAY. THE MENDOCINO
14 ROOM. SO IF EVERYBODY COULD GET THEIR LUNCH AND
15 PROMPTLY RETURN, THANK YOU. THOSE ON THE PHONE, HOPE
16 YOU HAVE TASTY REPAST AS WELL. THANK YOU.

17 (A LUNCH RECESS WAS TAKEN AND THE
18 SPOTLIGHT WAS THEN PRESENTED, NOT REPORTED NOR HEREIN
19 TRANSCRIBED. THE FOLLOWING WAS THEN HEARD IN OPEN
20 SESSION:)

21 CHAIRMAN THOMAS: OKAY. NEXT WE'RE GOING
22 TO HEAR FROM OUR COMMUNICATIONS GURU. KEVIN, WILL
23 YOU APPROACH THE PODIUM?

24 MR. MC CORMACK: YAY, COMMUNICATIONS. IT'S
25 THE FAT LADY IS ABOUT TO SING. CHAIRMAN THOMAS,

BARRISTERS' REPORTING SERVICE

1 MEMBERS OF THE BOARD, MEMBERS OF THE PUBLIC, AND TEAM
2 MEMBERS, ACTUALLY I'D LIKE TO BEGIN BY THANKING
3 RACHEL. I'M ALWAYS IN AWE OF SOMEONE WHO CAN COME UP
4 HERE AND TALK ABOUT SOMETHING AS SENSITIVE AND
5 PERSONAL AS THIS. I MEAN IT'S SOMETHING THAT A LOT
6 OF ADULTS WOULD HAVE A LOT OF PROBLEMS TALKING ABOUT,
7 BUT RACHEL DID IT WITH SUCH GRACE AND DIGNITY AND
8 WITH SUCH POWER THAT IT'S EXTRAORDINARY. AND I
9 ALWAYS FEEL ONE OF THE BEST PARTS OF MY JOB IS THAT I
10 GET TO WORK WITH PATIENT ADVOCATES LIKE RACHEL. AND
11 SO THIS WAS ANOTHER EXAMPLE OF WHAT AN AMAZING JOB I
12 HAVE.

13 IT'S ALWAYS A GREAT PLEASURE TO COME AND
14 TALK TO YOU AND UPDATE YOU ON WHAT WE'RE UP TO. AND
15 ONE OF THE THINGS MY COLLEAGUE DON GIBBONS AND I
16 SPEND A LOT OF TIME DOING IS PITCHING STORIES TO THE
17 MEDIA. WE'RE ALWAYS TRYING TO GET REPORTERS
18 INTERESTED -- AND, DAVID, I HOPE YOU ARE PAYING
19 ATTENTION -- INTERESTED IN REPORTING ABOUT SOME OF
20 THE REALLY EXCITING WORK THAT'S GOING ON. ONE OF THE
21 PROBLEMS WE ENCOUNTER, OTHER THAN THE FACT THAT THERE
22 ARE FEWER AND FEWER SPECIALIZED HEALTHCARE REPORTERS
23 OUT THERE, IS THAT A LOT OF WORK THAT WE FUND IS
24 PRECLINICAL. IT'S IMPORTANT WORK OBVIOUSLY AND
25 FASCINATING WORK; BUT WHEN YOU TALK TO A LOT OF

BARRISTERS' REPORTING SERVICE

1 REPORTERS, THEY SAY WE'VE ALREADY DONE STORIES ABOUT
2 CURING CANCER IN MICE. AND IF MICE READ NEWSPAPERS,
3 WE'D DO A LOT MORE STORIES, BUT THEY DON'T. THEY'RE
4 INTERESTED IN STORIES IN PEOPLE.

5 SO IT'S A LITTLE FRUSTRATING, BUT
6 UNDERSTANDABLE BECAUSE A LOT OF THINGS THAT WORK WELL
7 IN MICE DON'T DO QUITE SO WELL IN PEOPLE. AND SO A
8 LOT OF REPORTERS, A LOT OF EDITORS ARE KIND OF
9 HOLDING BACK UNTIL THEY SEE WHAT'S GOING ON.

10 I THINK WE'RE BEGINNING TO SEE A CHANGE IN
11 THAT. TWO INCIDENTS KIND OF REINFORCE THAT. THE
12 FIRST IS THAT WHEN VIACYTE GOT APPROVAL FROM THE FDA
13 TO BEGIN THEIR CLINICAL TRIAL IN TYPE 1 DIABETES --
14 AND CONGRATULATIONS AGAIN, PAUL -- THERE WAS A LOT OF
15 MEDIA INTEREST IN THIS. THE *UNION TRIBUNE* IN SAN
16 DIEGO DID A GREAT STORY ABOUT THIS. A NUMBER OF
17 OTHER NEWSPAPERS AND MEDIA OUTLETS THROUGHOUT THE
18 COUNTRY DID STORIES ABOUT THIS. IN FACT, LAST NIGHT
19 CHANNEL 6 IN SAN DIEGO DID A STORY ABOUT THE TRIAL
20 STARTING. TO AN EXTENT THAT'S UNDERSTANDABLE IN SAN
21 DIEGO BECAUSE VIACYTE IS BASED THERE, THE TRIALS ARE
22 GOING TO BE BASED AT UCSD. SO THERE'S A LOT OF LOCAL
23 INTEREST. BUT IT ALSO GOT A LOT OF INTEREST IN OTHER
24 PLACES AS WELL, SUCH AS IN THE *IMPERIAL VALLEY PRESS*
25 BECAUSE I THINK IT SHOWS THAT THERE'S A LOT OF

BARRISTERS' REPORTING SERVICE

1 INTEREST IN ANYTHING THAT CAN TACKLE A DISEASE LIKE
2 DIABETES, TYPE 1 OR TYPE 2. THERE'S A LOT OF
3 INTEREST IN THERE. AND THE *IMPERIAL VALLEY PRESS*, BY
4 THE WAY, ALSO DID A GREAT FEATURE PIECE WHEN WE
5 ANNOUNCED THE NEWEST MEMBER OF OUR BOARD,
6 DR. HIGGINS. SO THAT'S ONE OF OUR FAVORITE PAPERS OF
7 THE MOMENT.

8 THE SECOND INCIDENT WAS WHEN ASTERIAS GOT
9 APPROVAL FROM THE FDA TO DO A CLINICAL TRIAL IN
10 SPINAL CORD INJURY. IT WAS KIND OF A REVISED VERSION
11 OF THE GERON TRIAL. AND, AGAIN, THE *SAN FRANCISCO*
12 *CHRONICLE* DID A GREAT IN-DEPTH, FRONT-PAGE PIECE
13 ABOUT THIS. AND *SAN FRANCISCO BUSINESS TIMES* ALSO
14 DID A PIECE AS WELL. AGAIN, THERE'S A STRONG LOCAL
15 CONNECTION, SO THAT DRIVES THAT COVERAGE. BUT THIS
16 WAS ALSO PICKED UP IN MORE THAN A HUNDRED DIFFERENT
17 OUTLETS AROUND THE COUNTRY, A LOT OF THEM WEBSITES,
18 WHICH IS GREAT BECAUSE MORE AND MORE PEOPLE ARE
19 GETTING A LOT OF THEIR NEWS, HEALTH AND MEDICAL NEWS,
20 FROM THE INTERNET.

21 AND THEN, FINALLY, WE SAW THIS BIG STORY IN
22 *NATURE BIOTECHNOLOGY* CALLED THE "STATE OF THE
23 THERAPIES", WHICH LOOKED AT THE ROLE OF GOVERNMENT
24 AGENCIES IN HELPING TO KIND OF DERISK SOME OF THE
25 PROBLEMS THAT COMMERCIAL COMPANIES HAVE IN

BARRISTERS' REPORTING SERVICE

1 COMMERCIALIZING THERAPIES. AND DR. ELLEN FEIGAL DID
2 A GREAT JOB OF WALKING A REPORTER THROUGH WHAT WE DO
3 AND SPENDING A LOT OF TIME WITH HER OVER SEVERAL
4 WEEKS TO EXPLAIN HOW WE WORKED. AND THIS GAVE CIRM A
5 REALLY KIND OF PROMINENT ROLE IN THE STORIES AND ALSO
6 MADE SURE THAT IT WAS ACCURATE. SO THOSE WERE REALLY
7 GOOD, AND I THINK WE'RE SEEING MORE AND MORE OF THIS.

8 THE *BAY VIEW REPORTER*, IT'S THE SAN
9 FRANCISCO NEWSPAPER THAT REACHES TO THE
10 AFRICAN-AMERICAN COMMUNITY, RECENTLY RAN A LARGE
11 FEATURE PIECE ON THE WORK OF DR. DONALD KOHN, WHO'S
12 TARGETING TREATMENT FOR SICKLE CELL ANEMIA, CLEARLY
13 AN ISSUE THAT'S VERY IMPORTANT TO THE
14 AFRICAN-AMERICAN COMMUNITY.

15 SO WE'RE SEEING MORE AND MORE INTEREST IN
16 THE WORK THAT WE'RE DOING AS MORE AND MORE OF THESE
17 THERAPIES MOVE OUT OF THE LAB AND INTO PEOPLE.

18 BUT SOMETIMES YOU GET STORIES THAT GET A
19 LOT OF MEDIA ATTENTION THAT YOU REALLY DIDN'T EXPECT,
20 AND ONE OF THEM CAME RECENTLY WITH THE INTERSECTION
21 OF MICKEY MOUSE AND DISNEY AND DR. MANI VESSAL.
22 MANI, AS MOST OF YOU KNOW, HEADS OUR CREATIVITY
23 PROGRAM, AND THAT'S THE PROGRAM THAT TARGETS -- THAT
24 GETS HIGH SCHOOL TEENS, HIGH SCHOOL STUDENTS
25 INTERNSHIPS IN SOME OF THE WORLD-CLASS STEM CELL

BARRISTERS' REPORTING SERVICE

1 RESEARCHER'S FACILITIES THAT WE FUND. IT'S A GREAT
2 PROGRAM. EVERYONE LOVES IT. THE STUDENTS LOVE IT,
3 HAVE A GREAT TIME. AND THE STAFF IN THESE RESEARCH
4 FACILITIES REALLY ENJOY HAVING THESE YOUNG STUDENTS
5 AROUND. THEY'RE SO ENTHUSIASTIC ABOUT THE WORK THAT
6 THEY DO. IT'S REALLY INFECTIOUS.

7 I LOVE IT BECAUSE I'M SHAMELESS AND IT
8 GIVES ME A CHANCE TO PITCH THE INTERSECTION OF KIND
9 OF THE REALLY SMART, BRIGHT, CUTE HIGH SCHOOL KIDS
10 AND WORLD-CLASS STEM CELL RESEARCH. SO WE'RE TRYING
11 TO GET SOME MEDIA COVERAGE OF THIS EVERY YEAR.
12 SOMETIMES IT WORKS; SOMETIMES NOT. THIS YEAR IT
13 ACTUALLY WORKED REALLY WELL, AND IT'S PARTLY BECAUSE
14 WE ASKED THE STUDENTS TO EITHER WRITE A BLOG OR MAKE
15 A VIDEO WITH THE OTHER STUDENTS ABOUT THEIR
16 ACTIVITIES IN THE RESEARCH LAB.

17 AND ONE GROUP IN PARTICULAR MADE A VIDEO
18 THIS YEAR THAT REALLY TOOK OFF. FIRST IT GOT SOME
19 PLAY IN NBC TV IN LOS ANGELES AND THEN ABC TV IN SAN
20 FRANCISCO, AND THEN FOR SOME REASON NBC IN NEW YORK
21 ALSO FOUND IT AND LOVED IT. THE *SAN FRANCISCO*
22 *EXAMINER* DID A REALLY GOOD, LONG FEATURE PIECE ABOUT
23 THE PROGRAM. AND THEN KCBS AND KGO RADIOS, WHICH ARE
24 THE TWO LARGEST DRIVE-TIME RADIO NEWS SHOWS IN THE
25 BAY AREA, RAN PIECES ABOUT IT.

BARRISTERS' REPORTING SERVICE

1 WHEN WE POSTED THE VIDEO ONLINE, IT WAS
2 WATCHED MORE THAN 7500 TIMES IN 25 COUNTRIES FROM THE
3 U.S. AND THE UK TO MEXICO AND MALAYSIA, AS CLEARLY
4 THERE WAS A HUGE AUDIENCE OUT THERE. SO WHAT WAS
5 THIS PIECE? WELL, IT WAS THE STUDENTS AT CITY OF
6 HOPE IN DUARTE. AND WHAT THEY DID WAS THEY TOOK THE
7 HIT SONG "LET IT GO" FROM THE DISNEY MOVIE *FROZEN* AND
8 REWROTE THE LYRICS TO TALK ABOUT THEIR EXPERIENCES IN
9 THE LAB.

10 BEFORE I SHOW IT, I WOULD APOLOGIZE TO ALL
11 OF THOSE WHO HAVE YOUNG CHILDREN OR GRANDCHILDREN AND
12 HAVE SPENT THE LAST SIX MONTHS TRYING TO GET THIS
13 SONG OUT OF YOUR BRAIN. THIS IS IN A WORTHY CAUSE.

14 (VIDEO WAS THEN SHOWN, NOT REPORTED
15 NOR HEREIN TRANSCRIBED.)

16 MR. MC CORMACK: CYTOKINES RAGE ON. YOU
17 GOT TO LOVE THAT. I WOULDN'T TRY AND TOP THAT. I'M
18 LEAVING THAT UP TO TODD.

19 MR. DUBNICOFF: THAT'S A TOUGH ACT TO
20 FOLLOW.

21 CHAIRMAN THOMAS: BEFORE YOU START, KEVIN,
22 WHO IS THE SINGER IN THAT? DO YOU KNOW WHO IT IS?
23 IS THAT THE WOMAN FROM THE MOVIE?

24 MR. MC CORMACK: IT SOUNDED LIKE IT. WHEN
25 I FIRST HEARD IT, I THOUGHT HOW DID THEY GET IDINA

BARRISTERS' REPORTING SERVICE

1 MENZEL TO, AS JOHN TRAVOLTA SAID, IDINA MENZEL, TO
2 RECORD THE SONG. BUT, NO, IT'S ONE OF THE WOMEN WHO
3 WORKS IN THE LAB. SHE JUST HAS THIS EXTRAORDINARY
4 VOICE. IT WAS AMAZING.

5 CHAIRMAN THOMAS: WOW. IMPRESSIVE.

6 MR. DUBNICOFF: ALL RIGHT. SO CHAIRMAN
7 THOMAS, MEMBERS OF THE BOARD, AND MEMBERS OF THE
8 PUBLIC, AS YOU HEARD EARLIER THIS MORNING, ONE OF DR.
9 MILLS' MANTRAS IS IT'S ALL ABOUT THE PATIENTS. AND
10 IN THE NEXT THREE MINUTES, I'M GOING TO INTRODUCE A
11 STORIES OF HOPE BROCHURE THAT IS DESIGNED TO BE ALL
12 ABOUT THE PATIENTS.

13 IT FEATURES SIX PATIENT ADVOCATES WHO TELL
14 THEIR PERSONAL STORIES ABOUT LIVING WITH AN INCURABLE
15 DISEASE OR INJURY AND THEIR HOPE FOR NEW THERAPIES.
16 THE STORIES ALSO INCLUDE DISCUSSIONS ABOUT
17 CIRM-FUNDED RESEARCH TO BRING STEM CELL-BASED
18 TREATMENTS TO CLINICAL TRIALS.

19 NOW, WE PLACED THE BROCHURES IN FRONT OF
20 ALL THE BOARD MEMBERS, AND THERE'S SOME IN THE BACK
21 IF YOU'RE INTERESTED. ONE THING YOU'LL SEE IS THAT
22 WE HAVE THE BROCHURE IN BOTH ENGLISH AND SPANISH.
23 AND AS YOU'RE BROWSING THROUGH THE BROCHURE, YOU WILL
24 NOTICE THAT YOUR FELLOW BOARD MEMBER, LAUREN MILLER,
25 IS A FEATURED PATIENT ADVOCATE. LAUREN, THANK YOU SO

BARRISTERS' REPORTING SERVICE

1 MUCH FOR TAKING THE TIME TO DO THE PHOTO SHOOT AND
2 THE PHONE INTERVIEW TO SHARE YOUR FAMILY'S STORIES
3 ABOUT THEIR EXPERIENCES WITH ALZHEIMER'S.

4 MS. MILLER: IT WAS MY PLEASURE.

5 MR. DUBNICOFF: AND ALSO THANKS GOES OUT TO
6 DR. PRIETO FOR REFERRING HIS PATIENT FOR THE DIABETES
7 STORY. THANK YOU.

8 SO I LOST MY TRAIN OF THOUGHT THERE, BUT
9 WHAT ARE THESE BROCHURES GOING TO BE USED FOR? THEY
10 MAKE EXCELLENT HANDOUTS FOR OUR VARIOUS OUTREACH
11 EFFORTS LIKE PATIENT ADVOCATE MEETINGS, WORLD STEM
12 CELL SUMMIT, OR WHEN WE GIVE PRESENTATIONS TO
13 COMMUNITY ORGANIZATIONS LIKE THE ROTARY CLUB. THESE
14 TYPES OF GROUPS WANT TO HEAR PERSONAL STORIES, SO OUR
15 GOAL IS TO DRAW THEM IN WITH THESE BEAUTIFUL
16 PORTRAITS AND EASY-TO-DIGEST, HUNDRED-WORD STORIES IN
17 THE BROCHURE. AND TO DRIVE TRAFFIC BACK TO OUR
18 WEBSITE, WE'VE INCLUDED LINKS IN EACH STORY TO MORE
19 IN-DEPTH, 5- TO 600-WORD ESSAYS. AND IF YOU HAPPEN
20 TO HAVE A COMPUTER IN FRONT OF YOU, YOU CAN GET TO
21 THOSE ONLINE STORIES BY GOING TO OUR WEBSITE,
22 CIRM.CA.GOV AND THEN CLICKING ON THE OUR PROGRESS
23 TAB. AND THEN YOU'LL SEE STORIES FOR HOPE LINK
24 THERE.

25 AND MY COLLEAGUE, DR. ANN HOLDEN, HAS

BARRISTERS' REPORTING SERVICE

1 DECLARED THIS WEEK STORIES OF HOPE WEEK, AND SHE'S
2 BEEN POSTING ONE STORY EACH DAY TO OUR BLOG, THE STEM
3 CELLAR, WHICH YOU CAN REACH AT BLOG.CIRM.CA.GOV. AND
4 SHE'S BEEN POSTING -- SHE'S ALSO BEEN TWEETING AND
5 FACEBOOKING ABOUT THOSE BLOG POSTS.

6 SO THAT'S ABOUT IT. IF ANY OF THE BOARD
7 MEMBERS ARE INTERESTED IN GETTING EXTRA COPIES FOR
8 FUTURE EVENTS TO HAND OUT, LET US KNOW. THANK YOU.

9 MR. MC CORMACK: I'D JUST LIKE TO THANK
10 TODD FOR WORKING REALLY HARD ON PUTTING THOSE
11 BROCHURES TOGETHER. IT'S A LOT OF WORK, A LOT OF
12 LOGISTICAL WORK AND A LOT OF SCRAMBLING AROUND TO
13 MAKE SURE PHOTOGRAPHERS AND EVERYONE ELSE KNOWS
14 EXACTLY WHAT THEY DO. THEY'RE VERY USEFUL BROCHURES
15 BECAUSE WHAT THEY DO IS WE ALL TALK ABOUT THE
16 RESEARCH, BUT THIS PUTS A HUMAN FACE ON THE RESEARCH.
17 AND I THINK THAT'S A REALLY IMPORTANT THING,
18 PARTICULARLY WHEN WE'RE TALKING TO THE PUBLIC, GOING
19 OUT TO HEALTH FAIRS, TO, AS TODD SAID, ROTARY CLUBS.
20 ANY OF THE SPEECHES WE GIVE, IF WE CAN BRING ALONG
21 MATERIALS LIKE THIS, IT REALLY HELPS CONNECT AND KIND
22 OF MAKE THAT BRIDGE BETWEEN WHAT WE DO, WHICH IS
23 FUNDING THE RESEARCH, AND THE PEOPLE IN THE ROOM
24 BECAUSE MOST OF THE DISEASES IN HERE I'M SURE WE ALL
25 KNOW SOMEONE WHO'S AFFECTED BY IT ON ONE LEVEL OR

BARRISTERS' REPORTING SERVICE

1 ANOTHER. AND SO THEY REALLY HELP MAKE THE CONNECTION
2 BETWEEN THE AUDIENCE AND WHAT WE'RE DOING AND THE
3 FACT THAT THE PEOPLE OF CALIFORNIA HAVE HELPED
4 SUPPORT ALL THIS AND IT'S THEIR VISION THAT WE
5 TRANSLATE INTO ACTION.

6 SO I'D BE HAPPY TO TAKE ANY QUESTIONS OR
7 JUST TO WISH YOU ALL ADIEU.

8 CHAIRMAN THOMAS: THANK YOU, KEVIN.

9 MR. MC CORMACK: ADIEU.

10 CHAIRMAN THOMAS: BEFORE WE CLOSE HERE, I
11 PUT ANOTHER INFORMATIONAL ITEM ON THE AGENDA. EVERY
12 YEAR WE HAVE THE STEM CELL MEETING ON THE MESA, WHICH
13 YOU ALL HEAR ABOUT. MOST OF YOU REALLY DON'T KNOW A
14 LOT OF DETAILS TO WHAT THAT'S ABOUT. AND SO I'VE
15 ASKED NEIL LITTMAN TO GIVE US A BRIEF OVERVIEW.
16 THAT'S COMING UP IN BETWEEN NOW AND OUR NEXT BOARD
17 MEETING, SO I THOUGHT IT WOULD BE HELPFUL FOR THE
18 BOARD TO HEAR A LITTLE DETAIL.

19 MR. LITTMAN: THANK YOU, CHAIRMAN THOMAS,
20 MEMBERS OF THE BOARD, MEMBERS OF THE PUBLIC. AS
21 CHAIRMAN THOMAS INDICATED, I JUST WANT TO PROVIDE YOU
22 A BRIEF OVERVIEW OF STEM CELL MEETING ON THE MESA.
23 THIS EVENT IS COMING UP OCTOBER 7TH TO 9TH IN LA
24 JOLLA, CALIFORNIA. IT WILL BE TAKING PLACE AT THE
25 ESTANCIA HOTEL. IT'S A THREE-DAY EVENT.

BARRISTERS' REPORTING SERVICE

1 THE FIRST TWO DAYS CONSIST OF A PARTNERING
2 FORUM. THE THIRD DAY CONSISTS OF THE SCIENTIFIC
3 SYMPOSIUM. THE GOAL OF THE EVENT IS REALLY TO BRING
4 TOGETHER SENIOR LEADERS AND EXECUTIVES IN THE FIELD
5 OF REGENERATIVE MEDICINE WITH THE SCIENTIFIC
6 COMMUNITY IN THE HOPES OF SHARING INFORMATION AND
7 BUILDING RELATIONSHIPS TO ESTABLISH FUTURE
8 COLLABORATIONS. THIS IS REALLY THE ONLY REGENERATIVE
9 MEDICINE FOCUSED EVENT. LAST YEAR THERE WERE OVER
10 800 ATTENDEES. THERE ARE OVER 500 101 MEETINGS. SO
11 THIS IS A GREAT OPPORTUNITY FOR US TO GET IN FRONT OF
12 INDUSTRY FOR SOME OF OUR GRANTEES TO PRESENT. WE
13 HAVE A TOTAL OF 12 GRANTEES WHO WILL BE PRESENTING
14 THIS YEAR AT THE MEETING.

15 JUST TO GIVE YOU A LITTLE FLAVOR OF SOME OF
16 THE DISCUSSIONS AND SOME OF THE PANELS THAT WILL BE
17 TAKING PLACE, THERE WILL BE A CELL THERAPY PRODUCT
18 DEVELOPMENT PANEL, THERE WILL BE A PANEL DISCUSSING
19 PAYOR PERSPECTIVES, THERE WILL BE A PANEL THAT'S
20 DISCUSSING HOW TO SUSTAIN INVESTOR INTEREST IN THE
21 REGENERATIVE MEDICINE SPACE. THERE WILL BE TWO
22 WORKSHOPS, ONE FOCUSED ON REIMBURSEMENT AND ONE
23 FOCUSED ON MANUFACTURING SCALE-UP TECHNOLOGIES. AND
24 THEN THERE WILL ALSO BE PANELS DISCUSSING THE
25 REGULATORY ENVIRONMENT BOTH IN THE U.S. AND

BARRISTERS' REPORTING SERVICE

1 INTERNATIONALLY, AND THERE WILL ALSO BE A FEW
2 DIFFERENT PANELS DISCUSSING DIFFERENT TYPES OF
3 TECHNOLOGIES SUCH AS GENE AND GENE MODIFIED CELL
4 THERAPIES.

5 SO WITH THAT, BE HAPPY TO ANSWER ANY
6 QUESTIONS ABOUT THE MEETING.

7 CHAIRMAN THOMAS: OKAY. I JUST WANT
8 EVERYBODY TO KNOW THIS HAS BEEN A GROWING EVENT EVERY
9 YEAR THAT'S INCREASINGLY SUBSCRIBED, AND THERE'S AN
10 AWFUL LOT OF GOOD STUFF THAT HAPPENS AT THIS. AND
11 PEOPLE COME FROM ALL OVER THE WORLD TO HEAR WHAT'S
12 GOING ON, TO ARRANGE MEETINGS, AND TO DRIVE STRATEGIC
13 RELATIONSHIPS THAT REALLY ARE MOVING THE FIELD AHEAD.
14 SO WE'RE VERY PLEASED WITH THIS. THIS IS A -- CIRM
15 AND ARM TOGETHER PUT THIS TOGETHER OVER THE YEARS
16 WITH THE GREAT HELP OF UCSD AND THE FOLKS WHO ARE
17 MEMBERS OF THE SANFORD CONSORTIUM DOWN THERE.

18 DR. LUBIN: SO I WANTED TO ACTUALLY THANK
19 ELLEN WHO AT ONE OF THOSE MEETINGS INTRODUCED ME TO
20 PEOPLE FROM BLUEBIRD BIO, AND WE ARE NOW STARTING OUR
21 FIRST GENE THERAPY FOR THALASSEMIA THAT'S NOT FUNDED
22 BY CIRM, BUT WENT THROUGH CIRM, BUT IT'S FUNDED
23 INDEPENDENTLY. AND THE FIRST PATIENT IS BEING
24 TREATED RIGHT NOW AS WE SPEAK, AND TWO MORE ARE LINED
25 UP FOR THE NEXT TRIALS. AND IT ALL CAME OUT OF THAT.

BARRISTERS' REPORTING SERVICE

1 SHE HAD ME MEET ABOUT EIGHT PEOPLE IN TWO DAYS. SO
2 SHE'S A GREAT NETWORKER, BUT THE MEETING WAS AN IDEAL
3 FORMAT, AND IT LED EVENTUALLY TO COMMUNICATIONS THAT
4 EVENTUALLY LED TO THIS STUDY. SO I STRONGLY SUPPORT
5 THAT AS AN OPPORTUNITY FOR US.

6 CHAIRMAN THOMAS: ANY COMMENTS, OTHER
7 COMMENTS FROM MEMBERS OF THE BOARD? THANKS VERY
8 MUCH, NEIL.

9 MR. LITTMAN: THANK YOU.

10 CHAIRMAN THOMAS: WE NOW COME TO THE PUBLIC
11 COMMENT PART OF THE AGENDA. YES, HOLD ON ONE SECOND.

12 MS. WINOKUR: I WOULD LIKE TO ASK KEVIN A
13 QUESTION. IS HE STILL HERE? KEVIN, I'M JUST
14 CURIOUS. I WONDER IF ANY OF THE PUBLICITY AROUND THE
15 ICE BUCKET CHALLENGE HAS BEEN REFLECTED IN INQUIRIES
16 OR ANYTHING AT CIRM.

17 MR. MC CORMACK: NOT THAT I'VE SEEN OF.
18 NO. WE DID A STORY ABOUT IT A NUMBER OF WEEKS AGO.
19 BEFORE IT WAS HIP, WE GOT THERE. AND I SUBMERGED
20 MYSELF WEARING MY SUIT AND TIE, OF COURSE. BUT WE
21 HAVEN'T REALLY SEEN THAT MUCH. WE GOT SOME RESPONSE,
22 BUT I THINK IT'S BECOME SO VIRAL THAT IT'S BECOME
23 ALMOST COMMONPLACE. SO PEOPLE AREN'T COMMENTING ON
24 IT ANYMORE IN THE WAY THAT THEY DID TO BEGIN WITH. I
25 MEAN IT'S BEEN REMARKABLE. I WISH I'D COME UP WITH

BARRISTERS' REPORTING SERVICE

1 THAT IDEA, TO BE ABLE TO RAISE \$100 MILLION JUST BY
2 THROWING WATER OVER MY HEAD.

3 MS. WINOKUR: IT'S A HUNDRED TWO NOW.

4 MR. MC CORMACK: IT'S REMARKABLE.

5 MS. WINOKUR: IT WAS AN IDEA OF A PATIENT.

6 MR. MC CORMACK: IT'S THE WONDERFUL THING
7 ABOUT SOMETHING LIKE THAT. IT'S SUCH A SIMPLE THING,
8 AND I THINK IT JUST CONNECTED WITH SO MANY PEOPLE IN
9 A VERY KIND OF OBVIOUS WAY BECAUSE IT'S FUNNY TO KIND
10 OF NOMINATE THE PRESIDENT TO DUMP A BUCKET OF WATER
11 OVER HIS HEAD.

12 DR. LUBIN: WE VOTING ON THAT?

13 MR. MC CORMACK: JUST BRILLIANT. IT'S
14 INTERESTING TO SEE NOW A NUMBER OF OTHER
15 ORGANIZATIONS AND NON-PROFITS ARE TRYING TO DO
16 SIMILAR THINGS, BUT I THINK THE CAT'S OUT OF THAT
17 BAG.

18 MS. WINOKUR: THANK YOU.

19 CHAIRMAN THOMAS: JENNIFER.

20 DR. BRASWELL: THANK YOU. MY NAME IS
21 JENNIFER BRASWELL. I'M THE EXECUTIVE DIRECTOR OF THE
22 SANFORD STEM CELL CLINICAL CENTER AT UCSD. AND I'M
23 HERE ON BEHALF OF MY COLLEAGUES AND OUR INDUSTRY
24 PARTNERS TO TELL YOU SOME NEWS OF VITAL INTEREST TO
25 CALIFORNIA AND TO YOU AS MEMBERS OF THE BOARD OF THE

BARRISTERS' REPORTING SERVICE

1 INDEPENDENT CITIZENS OVERSIGHT COMMITTEE. AND I
2 APOLOGIZE THAT I'M GOING TO READ MY COMMENTS, BUT IN
3 RESPECT FOR YOUR TIME, I WANT TO MAKE SURE I SAY WHAT
4 I MEAN TO SAY AND NOT SOMETHING ELSE.

5 THE SUBJECT IS THE START OF CLINICAL TRIALS
6 TO TEST THE SAFETY OF NEW THERAPIES DEVELOPED WITH
7 CIRM FUNDING. UC SAN DIEGO HAS A TRACK RECORD OF
8 TRANSLATING CIRM-FUNDED DISCOVERIES TO CLINICAL
9 APPLICATION IN PHASE I TRIALS, AND I WANT TO BE AS
10 CLEAR AS I CAN SO YOU HAVE THE DETAILS THAT YOU CAN
11 USE ABOUT YOUR OWN SUCCESS.

12 THIS MORNING YOU'VE HEARD THAT UC SAN DIEGO
13 SANFORD STEM CELL CLINICAL CENTER WILL BE THE SITE OF
14 THE FIRST-IN-HUMAN SAFETY TRIAL FOR THE VIACYTE STEM
15 CELL-DERIVED CELL PRODUCT FOR TYPE 1 DIABETES. CIRM
16 HAS BEEN A FUNDING PARTNER FOR THE SAN DIEGO
17 DEVELOPED VIACYTE PRODUCT, AND THE SAFETY TRIAL WILL
18 BE INITIATED AT THE SANFORD STEM CELL CLINICAL
19 CENTER.

20 WE ARE ALSO PLEASED TO ANNOUNCE THAT UC SAN
21 DIEGO WILL TEST ANOTHER CELL PRODUCT FOR SAFETY THIS
22 MONTH, THE NEURALSTEM CELL PRODUCT FOR REPAIR OF
23 SPINAL CORD INJURY. SIGNIFICANT TECHNOLOGICAL
24 IMPROVEMENT PRECLINICAL STUDY AND DEVELOPMENT OF
25 SURGICAL TECHNIQUE FOR THIS CELL PRODUCT WAS CARRIED

BARRISTERS' REPORTING SERVICE

1 OUT BY MARTIN MARSALA OF UC SAN DIEGO WHO HAS BEEN
2 FUNDED IN THE PAST BY CIRM UNDER THE EARLY
3 TRANSLATIONAL AWARD PROGRAM.

4 THE NEURALSTEM CELL PRODUCT WILL BE TESTED
5 FOR SAFETY IN THE FIRST SPINAL CORD INJURY PATIENT
6 THIS MONTH.

7 NEXT, AND JUST YESTERDAY, A SOPHISTICATED,
8 INNOVATIVE DRUG TARGETING CANCER STEM CELLS IN DEADLY
9 BLOOD CANCER WAS PROVIDED TO THE FIRST PARTICIPANT IN
10 A SAFETY TRIAL AT THE SANFORD STEM CELL CLINICAL
11 CENTER FOR THE ROR1 MONOCLONAL ANTIBODY, A DRUG
12 DEVELOPED IN PART WITH FUNDING FROM A CIRM DISEASE
13 TEAM AWARD TO THOMAS KIPPS AT UC SAN DIEGO. THE
14 INDUSTRY PARTNER THERE IS CELGENE.

15 THE THREE CLINICAL TRIALS INITIATED THIS
16 MONTH FOLLOW A CLINICAL TRIAL OF A DRUG DEVELOPED
17 WITH RESEARCH FUNDED BY CIRM, THE JAK2 INHIBITOR DRUG
18 AGAINST BLOOD CANCER.

19 I'M BRINGING YOU THIS NEWS TO EMPHASIZE
20 THAT THE PACE OF DEVELOPMENT FOR THESE FOUR STEM CELL
21 THERAPEUTICS WAS ACCELERATED BY CIRM FUNDING. CIRM
22 FUNDING HAS ENABLED UC SAN DIEGO, AN ACADEMIC
23 INSTITUTION, TO MOVE FAST WHEN WE ARE PARTNERED WITH
24 INDUSTRY. THE ACADEMIC SETTING PROVIDES STABILITY,
25 THE BEST SCIENCE, AND THE BEST DOCTORS TO TRANSLATE

BARRISTERS' REPORTING SERVICE

1 DISCOVERIES TO PEOPLE. WE BELIEVE OUR PATIENTS IN
2 CALIFORNIA, OUR PATIENTS THROUGHOUT THE WORLD, OUR
3 PATIENTS DESERVE THE BEST SCIENCE WE CAN OFFER.
4 WE'RE ENORMOUSLY GRATEFUL FOR CIRM FUNDING, FOR CIRM
5 STAFF, AND FOR THE INDEPENDENT CITIZENS OVERSIGHT
6 COMMITTEE. THANK YOU VERY MUCH.

7 (APPLAUSE.)

8 MR. REED: THIS IS A HARD DAY FOR THE REED
9 FAMILY. THIS IS THE 20-YEAR ANNIVERSARY OF THE DAY
10 MY SON BROKE HIS NECK AND WAS PARALYZED ON A COLLEGE
11 FOOTBALL FIELD. BUT IT'S ALSO A TREMENDOUS DAY
12 BECAUSE TODAY IS THE FIRST RELEASE OF A BOOK CALLED
13 *INEVITABLE COLLISION* BY TORY WILLIAMS, AND IT'S ABOUT
14 THE FIRST PERSON TO RECEIVE EMBRYONIC STEM CELLS IN
15 HIS BODY, T.J. ATCHISON, LITTLE BITTY GUY, AND HE
16 TOLD HIS CHURCH, SOUTHERN BAPTIST CHURCH, THAT HE WAS
17 GOING TO DO EMBRYONIC STEM CELLS. HE STOOD BY HIS
18 GUNS.

19 ROMAN WORKED WITH HIM ON SETTING UP THE
20 T.J. ATCHISON PROGRAM, SIMILAR TO THE ROMAN REED ACT.
21 HE ALSO WORKED WITH THE ALABAMA INSTITUTE -- TO MAKE
22 THE ALABAMA INSTITUTE OF MEDICINE, AND HE'S STILL ON
23 THE BOARD OF DIRECTORS OF THAT. SO THIS IS A SAD DAY
24 FOR HIM, BUT IT'S ALSO A DAY OF HOPE. AND YOU ARE
25 ALL PART OF THE DAY WHEN HE WILL FULFILL HIS PROMISE

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1 THAT HE WILL WALK AGAIN. THANK YOU VERY MUCH.

2 (APPLAUSE.)

3 DR. BAXTER: GOOD AFTERNOON. MY NAME IS
4 SUSAN BAXTER. I'M THE EXECUTIVE DIRECTOR OF THE
5 CALIFORNIA STATE UNIVERSITY SYSTEMWIDE PROGRAM FOR
6 BIOTECHNOLOGY. I'M HERE TODAY ON BEHALF OF THE
7 CALIFORNIA STATE UNIVERSITY, CSU, TO RESPECTFULLY ASK
8 THE ICOC TO DISCUSS THE BRIDGES TO STEM CELL RESEARCH
9 PROGRAM AT YOUR MEETING IN OCTOBER. THE BRIDGES
10 PROGRAM IS THE MAJOR PLANNING IN CIRM'S STRATEGIC
11 PUBLIC COMMITMENT TO OFFER OPPORTUNITIES TO STUDENTS
12 REPRESENTING THE DIVERSITY OF CALIFORNIA'S POPULATION
13 WHO ARE HOPING TO PURSUE A CAREER IN SCIENCE AND
14 RESEARCH.

15 TODAY 14 CSU CAMPUSES HOST BRIDGES
16 PROGRAMS. TOGETHER THEY'VE TRAINED OVER 750 STUDENT
17 RESEARCHERS SINCE 2009. WORKFORCE DEVELOPMENT ISN'T
18 AN ADD-ON, BUT RATHER ONE OF THE INTEGRAL PARTS OF
19 CIRM'S MISSION DATING BACK TO THE SEPTEMBER 2006
20 STRATEGIC PLAN. CSU FIRST PROPOSED THE BRIDGES
21 PROGRAM AS A WORKFORCE DEVELOPMENT PROGRAM BACK IN
22 2007. WE WROTE THAT WORKFORCE DEVELOPMENT AIMED AT
23 PROVIDING SCIENTISTS, ENGINEERS, AND TECHNICIANS AT
24 ALL DEGREE LEVELS WITH PARTICULAR FOCUS ON RESEARCH
25 TRANSLATION AND PRODUCT DEVELOPMENT IS VITAL TO

BARRISTERS' REPORTING SERVICE

1 SUPPORTING THE EMERGENT STEM CELL INDUSTRY IN
2 CALIFORNIA.

3 WE ALSO RECOGNIZE THAT INCREASED EXPOSURE
4 AND UNDERSTANDING OF STEM CELLS ADVANCES BIOLOGY, AND
5 TECHNOLOGIES WILL SET FUTURE PRODUCT DEVELOPMENT
6 TEAMS UP FOR SUCCESS WHETHER THEY GAIN HANDS-ON
7 EXPERIENCE IN A STEM CELL LAB OR LEARN ABOUT THE
8 EXCITEMENT AND PROMISE AROUND STEM CELL RESEARCH AS
9 PART OF THEIR GENERAL EDUCATION.

10 WORKING WITH BAY BIO AND BIOCOM ON THEIR
11 INSTITUTE BOARDS, I KNOW THE NO. 1 WORKFORCE NEED IN
12 THIS INDUSTRY IS HANDS-ON PRACTICE AND PARTICIPATION
13 IN MULTIDISCIPLINARY TEAM-BASED RESEARCH PROJECTS.
14 RESEARCH EXPERIENCE IS BAKED INTO THE BRIDGES
15 PROGRAM; AND AS A RESULT, GRADUATES HAVE MANY CAREER
16 OPTIONS. DESPITE THE GREAT RECESSION, BRIDGES
17 GRADUATES HAVE SUCCEEDED IN LANDING JOBS AND GAINING
18 ADMITTANCE TO GRADUATE AND MEDICAL SCHOOLS AT MUCH
19 HIGHER RATES THAN THEIR PEER GROUPS.

20 CSU SAN MARCOS STUDENTS GAIN EXPOSURE TO
21 REGULATORY AFFAIRS, PROJECT MANAGEMENT, AND CLINICAL
22 TRIALS MANAGEMENT AS PART OF THEIR BRIDGES PROGRAM.
23 AS A RESULT, COMPANIES IN SAN DIEGO REGION HAVE HIRED
24 NEARLY ALL OF THEM. THEY WORK AT COMPASS DERMA
25 PATHOLOGY, GENOPTIX, GENMARK DIAGNOSTICS, MILLCORE,

BARRISTERS' REPORTING SERVICE

1 ILLUMINA, CONCEPTION SCIENCES; AND THERMO FISHER.
2 AND, IN FACT, THERMO FISHER HAS HIRED FOUR BRIDGES
3 GRADUATES FROM SAN MARCOS.

4 IN JANUARY CSU SACRAMENTO STUDENTS WON
5 CSC'S BIOTECHNOLOGY COMMERCIALIZATION CHALLENGE FOR
6 THE STEM CELL MANUFACTURING-RELATED IDEA. TEAM
7 LEADER, MANMET SINGH, AN UNDERGRADUATE BIOLOGY
8 SCIENCES MAJOR, WENT ON TO WIN AN INNOVATION CORPS
9 TEAM GRANT, THAT'S THE I-CORPS FROM THE NATIONAL
10 SCIENCE FOUNDATION. THE GRANT ALLOWED THEM TO
11 DEVELOP THEIR COMMERCIALIZATION PLAN FURTHER AND
12 ATTEND AN ENTREPRENEURSHIP PROGRAM OFFERED BY THE
13 UNIVERSITY OF MICHIGAN'S I-CORPS NODE.

14 AT THE END OF THE PROGRAM LAST WEEK,
15 INDUSTRY-BASED COURSE INSTRUCTORS GAVE OUT ONE AWARD.
16 THE TEAM THAT BEST EMBODIES THE SPIRIT OF I-CORPS AND
17 A COMMERCIALIZATION PLAN THAT WOULD WORK. THEY GAVE
18 THE AWARD TO MS. SINGH AND THE SACRAMENTO STATE TEAM.

19 I'M HERE TODAY BECAUSE CIRM HAS NOT MADE A
20 DECISION ABOUT THE FUTURE OF THE BRIDGES PROGRAM.
21 CSU SAN MARCOS AND ITS PARTNER COMMUNITY COLLEGE,
22 MIRACOSTA COLLEGE, ARE NOT MAKING PLANS TO RECRUIT
23 ANOTHER BRIDGES STUDENT COHORT THIS FALL. THIS
24 SCENARIO IS PLAYING OUT ACROSS CALIFORNIA AS PROGRAMS
25 STATEWIDE ARE FORCED TO SUSPEND OUTREACH,

BARRISTERS' REPORTING SERVICE

1 RECRUITMENT, AND COURSE OFFERINGS THIS FALL.

2 BY MAKING NO DECISION, CIRM WILL LOSE
3 SIGNIFICANT MOMENTUM IN ITS EFFORTS TO BUILD AND
4 INSPIRE A PROFESSIONAL STEM CELL-RELATED WORKFORCE IN
5 CALIFORNIA. WE URGE CIRM AND THE ROOM TODAY TO
6 CONSIDER EXTENDING AND CONTINUING THE BRIDGES TO STEM
7 CELL RESEARCH PROGRAM. WE WELCOME THE OPPORTUNITY TO
8 DISCUSS THE IMPACTS OF THIS PROGRAM WITH YOU FURTHER.
9 THERE'S NO BETTER INVESTMENT YOU CAN MAKE FOR THE
10 STATE OF CALIFORNIA.

11 (APPLAUSE.)

12 CHAIRMAN THOMAS: THANK YOU. OTHER
13 COMMENTS FROM MEMBERS OF THE PUBLIC? WE HAVE ONE
14 OTHER THING I'D LIKE TO MENTION. I'M GOING TO PUT
15 HER ON THE SPOT HERE. LAUREN, SINCE BETWEEN NOW AND
16 THE NEXT BOARD MEETING, WE HAVE A BIG EVENT THAT YOU
17 ARE INVOLVED IN, COULD YOU JUST GIVE A LITTLE BRIEF
18 DESCRIPTION OF THAT FOR THE BOARD, PLEASE?

19 MS. MILLER: LOVE TO. CLARITY FOR CHARITY
20 HAS AN EVENT THAT WE HOLD CALLED OUR HILARITY FOR
21 CHARITY LOS ANGELES VARIETY SHOW, AND IT'S OUR BIG
22 FUND RAISER FOR THE YEAR, WHICH IS REALLY IMPORTANT
23 BECAUSE WE'RE STARTING A PROGRAM IN WHICH WE'RE GOING
24 TO BE PROVIDING AT-HOME CARE FOR INDIVIDUALS
25 STRUGGLING WITH ALZHEIMER'S DISEASE, WHICH IS VERY

BARRISTERS' REPORTING SERVICE

1 EXCITING. AND THE EVENT IS COMING UP ON OCTOBER 17TH
2 IN L.A. AT THE PALLADIUM. AND IF ANYONE IS
3 INTERESTED IN GOING, TICKETS ARE ON SALE. IT IS, I
4 CANNOT TELL YOU, SUCH A FUN NIGHT. IT IS A VERY
5 ANTICHARITY GALA. THERE'S NO RUBBER CHICKENS. IT'S
6 ALL TACOS AND BAD LANGUAGE, AND IT'S A REALLY BIG,
7 FUN PARTY.

8 THE THEME THIS YEAR IS A PROM. SO BIG
9 DRESSES AND RUFFLED SHIRTS, AND IT'S GOING TO BE A
10 GREAT TIME, AND EVERYONE IS INVITED. THANK YOU.

11 CHAIRMAN THOMAS: THANK YOU. ANY OTHER
12 COMMENTS FROM MEMBERS OF THE BOARD ON ANYTHING THEY
13 CARE TO TALK ABOUT?

14 DR. LUBIN: THE GIANTS OR THE A'S? WHICH
15 ONE?

16 CHAIRMAN THOMAS: OKAY. I WAS A LITTLE
17 OVERLY BROAD. THANK YOU. AND MEETING STANDS
18 ADJOURNED. WE WILL SEE YOU IN OCTOBER.

19 (THE MEETING WAS THEN CONCLUDED AT
20 1:53 P.M.)

21
22
23
24
25

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

CLAREMONT HOTEL
41 TUNNEL ROAD
BERKELEY, CALIFORNIA
ON
SEPTEMBER 10, 2014

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
BARRISTERS' REPORTING SERVICE
160 S. OLD SPRINGS ROAD
SUITE 270
ANAHEIM, CALIFORNIA
(714) 444-4100