

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: SANFORD CONSORTIUM  
2880 TORREY PINES SCENIC ROAD  
LA JOLLA, CALIFORNIA

DATE: THURSDAY, SEPTEMBER 23, 2015  
10 A.M.

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

BRS FILE NO.: 97938

BARRISTERS' REPORTING SERVICE

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BARRISTERS' REPORTING SERVICE

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BARRISTERS' REPORTING SERVICE

1 SAN DIEGO, CALIFORNIA; THURSDAY, SEPTEMBER 24, 2015

2 10 A.M.

3

4 CHAIRMAN THOMAS: GOOD MORNING, EVERYBODY.

5 THIS IS J.T. FROM CIRM HEADQUARTERS IN SAN

6 FRANCISCO. WELCOME TO THE SEPTEMBER ICOC BOARD

7 MEETING. MARIA IS GOING TO LEAD US HERE AND A

8 NUMBER OF FOLKS GATHERED TOGETHER HERE IN SAN

9 FRANCISCO. MANY OF YOU ARE ON VIA PHONE. WOULD

10 LIKE TO NOTE THAT RANDY IS DOWN IN SAN DIEGO AT THE

11 CONSORTIUM WITH A NUMBER OF OUR BOARD MEMBERS AND A

12 NUMBER OF MEMBERS OF THE PUBLIC. WITHOUT FURTHER

13 ADO, MARIA, WILL YOU LEAD US HERE IN THE PLEDGE OF

14 ALLEGIANCE.

15 (THE PLEDGE OF ALLEGIANCE.)

16 CHAIRMAN THOMAS: THANK YOU VERY MUCH,

17 EVERYBODY. MARIA, WILL YOU PLEASE CALL THE ROLL.

18 MS. BONNEVILLE: LINDA BOXER.

19 DR. BOXER: PRESENT.

20 MS. BONNEVILLE: SUE BRYANT. KEN BURTIS.

21 DR. BURTIS: PRESENT.

22 MS. BONNEVILLE: JACK DIXON.

23 DR. DIXON: PRESENT.

24 MS. BONNEVILLE: ANNE-MARIE DULIEGE.

25 ELIZABETH FINI.

BARRISTERS' REPORTING SERVICE

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DR. FINI: PRESENT.  
MS. BONNEVILLE: MICHAEL FRIEDMAN. JUDY  
GASSON. DAVID HIGGINS.  
MR. HIGGINS: HERE.  
MS. BONNEVILLE: STEVE JUELSGAARD.  
DR. JUELSGAARD: PRESENT.  
MS. BONNEVILLE: SHERRY LANSING. KATHY  
LAPORTE. BERT LUBIN. SHLOMO MELMED.  
DR. MELMED: PRESENT.  
MS. BONNEVILLE: LAUREN MILLER.  
MS. MILLER: HERE.  
MS. BONNEVILLE: ADRIANA PADILLA.  
DR. PADILLA: PRESENT.  
MS. BONNEVILLE: JOE PANETTA. ROBERT  
PRICE. FRANCISCO PRIETO. ROBERT QUINT.  
DR. QUINT: PRESENT.  
MS. BONNEVILLE: AL ROWLETT.  
MR. ROWLETT: PRESENT.  
MS. BONNEVILLE: JEFF SHEEHY.  
MR. SHEEHY: PRESENT.  
MS. BONNEVILLE: OS STEWARD.  
DR. STEWARD: HERE.  
MS. BONNEVILLE: JONATHAN THOMAS.  
CHAIRMAN THOMAS: HERE.  
MS. BONNEVILLE: ART TORRES. KRISTINA

BARRISTERS' REPORTING SERVICE

1 VUORI.

2 DR. VUORI: HERE.

3 MS. BONNEVILLE: DONNA WESTON.

4 DR. WESTON: HERE.

5 MS. BONNEVILLE: DIANE WINOKUR. BRUCE  
6 WINTRAUB.

7 MR. WINTRAUB: PRESENT.

8 DR. PRICE: MARIA, ROBERT PRICE. I'M  
9 HERE.

10 MS. BONNEVILLE: THANK YOU.

11 CHAIRMAN THOMAS: THANK YOU, EVERYBODY.

12 WE'RE GOING TO PROCEED TO THE PROPOSED CONSENT  
13 CALENDAR, ITEMS 6 TO 9. ANYBODY, SINCE YOU HAVE THE  
14 MATERIALS, HAVE ANY COMMENTS OR QUESTIONS ON ANY OF  
15 THE CONSENT ITEMS? HEARING NONE, JAMES.

16 MR. HARRISON: WE DON'T HAVE A QUORUM YET.  
17 SO IF YOU WOULD LIKE, YOU CAN ASK FOR A MOTION TO  
18 APPROVE AND SECOND AND THEN TAKE A VOTE ONCE WE  
19 OBTAIN A QUORUM.

20 CHAIRMAN THOMAS: OKAY.

21 DR. GASSON: JAMES, THIS IS JUDY GASSON.  
22 I'M ON NOW.

23 MS. BONNEVILLE: THANK YOU.

24 CHAIRMAN THOMAS: THANK YOU. SO WE HAVE A  
25 MOTION, AS JAMES JUST SUGGESTED, TO APPROVE THE

BARRISTERS' REPORTING SERVICE

1 CONSENT ITEMS.

2 DR. JUELSGAARD: THIS IS STEVE JUELSGAARD.  
3 I SO MOVE.

4 CHAIRMAN THOMAS: THANK YOU, MR.  
5 JUELSGAARD. IS THERE A SECOND?

6 DR. GASSON: SECOND.

7 CHAIRMAN THOMAS: THANK YOU. OKAY. WE'RE  
8 GOING TO HOLD THAT. WE'VE GOT THE MOTION AND THE  
9 SECOND.

10 I WOULD LIKE TO, BEFORE WE HEAD INTO THE  
11 NEXT PORTION OF THE AGENDA, WHICH IS GOING TO BE  
12 ACTION ITEMS, SINCE WE ARE SPREAD OUT IN A NUMBER OF  
13 SITES, IF THOSE OF YOU WHO HAVE MEMBERS OF THE  
14 PUBLIC WITH YOU, COULD LET US KNOW AT THIS POINT.

15 MS. CHEUNG: WE HAVE MEMBERS IN SAN DIEGO.

16 DR. GASSON: I HAVE ANDREW WITH ME.

17 CHAIRMAN THOMAS: THANK YOU, JUDY.

18 DR. FINI: HELLO, J.T. THIS IS ELIZABETH  
19 FINI. I'M AT USC AND I HAVE DR. ARLENE CHIU WITH  
20 ME.

21 CHAIRMAN THOMAS: THANK YOU. OTHERS WITH  
22 MEMBERS OF THE PUBLIC?

23 MS. CHEUNG: THIS IS SAN DIEGO. WE HAVE  
24 MEMBERS HERE.

25 CHAIRMAN THOMAS: OKAY. WE'RE GOING TO

BARRISTERS' REPORTING SERVICE

1 PROCEED --

2 MS. BONNEVILLE: I'D LIKE TO CONFIRM THAT  
3 KRISTINA VUORI IS ON THE LINE.

4 MS. CHEUNG: YES. SHE'S HERE.

5 MS. BONNEVILLE: I'M TOLD THAT KRISTINA,  
6 DAVID, AND JACK ARE AT THE CONSORTIUM, BUT I CAN'T  
7 HEAR, SO I DON'T KNOW IF YOU'RE ON MUTE.

8 CHAIRMAN THOMAS: WE SEEM TO BE HAVING A  
9 BIT OF TECHNICAL DIFFICULTY.

10 (PAUSE IN PROCEEDINGS.)

11 MS. CHEUNG: WE DO HAVE MEMBERS OF THE  
12 PUBLIC HERE IN SAN DIEGO AND ALL THE BOARD MEMBERS  
13 ARE HERE.

14 MS. BONNEVILLE: LET ME JUST GET THAT ON  
15 RECORD. KRISTINA VUORI.

16 DR. VUORI: HERE.

17 MS. BONNEVILLE: DAVID HIGGINS.

18 MR. HIGGINS: HERE.

19 MS. BONNEVILLE: AND JACK DIXON.

20 DR. DIXON: HERE.

21 MS. BONNEVILLE: THANK YOU.

22 CHAIRMAN THOMAS: OKAY. THANK YOU,  
23 EVERYBODY. SO WE HAVE A MOTION AND SECOND ON THE  
24 CONSENT ITEMS. DO WE HAVE TO POLL EVERYBODY ON  
25 THIS, JAMES? SO, MARIA, WILL YOU PLEASE CALL THE



BARRISTERS' REPORTING SERVICE

1 ROLL.

2 MS. BONNEVILLE: LINDA BOXER.

3 DR. BOXER: YES.

4 MS. BONNEVILLE: SUE BRYANT. KEN BURTIS.

5 DR. BURTIS: YES.

6 MS. BONNEVILLE: JACK DIXON.

7 DR. DIXON: YES.

8 MS. BONNEVILLE: ANNE-MARIE DULIEGE.

9 ELIZABETH FINI.

10 DR. FINI: YES.

11 MS. BONNEVILLE: MICHAEL FRIEDMAN. JUDY

12 GASSON.

13 DR. GASSON: YES.

14 MS. BONNEVILLE: DAVID HIGGINS.

15 MR. HIGGINS: YES.

16 MS. BONNEVILLE: STEVE JUELSGAARD.

17 DR. JUELSGAARD: YES.

18 MS. BONNEVILLE: SHERRY LANSING. KATHY

19 LAPORTE. BERT LUBIN. SHLOMO MELMED.

20 DR. MELMED: YES.

21 MS. BONNEVILLE: LAUREN MILLER.

22 MS. MILLER: YES.

23 MS. BONNEVILLE: ADRIANA PADILLA.

24 DR. PADILLA: YES.

25 MS. BONNEVILLE: JOE PANETTA. ROBERT

BARRISTERS' REPORTING SERVICE

1 PRICE.  
2 DR. PRICE: YES.  
3 MS. BONNEVILLE: FRANCISCO PRIETO. ROBERT  
4 QUINT.  
5 DR. QUINT: YES.  
6 MS. BONNEVILLE: AL ROWLETT.  
7 MR. ROWLETT: AYE.  
8 MS. BONNEVILLE: JEFF SHEEHY.  
9 MR. SHEEHY: YES.  
10 MS. BONNEVILLE: OS STEWARD.  
11 DR. STEWARD: YES.  
12 MS. BONNEVILLE: JONATHAN THOMAS.  
13 CHAIRMAN THOMAS: YES.  
14 MS. BONNEVILLE: ART TORRES. KRISTINA  
15 VUORI.  
16 DR. VUORI: YES.  
17 MS. BONNEVILLE: DONNA WESTON.  
18 DR. WESTON: YES.  
19 MS. BONNEVILLE: DIANE WINOKUR.  
20 MS. WINOKUR: YES.  
21 MS. BONNEVILLE: BRUCE WINTRAUB.  
22 DR. WINTRAUB: YES.  
23 CHAIRMAN THOMAS: OKAY. THANK YOU.  
24 MOTION PASSES. WE'LL PROCEED NOW TO OUR ACTION  
25 ITEMS. AS YOU KNOW, IT IS OUR PRACTICE TO HAVE

BARRISTERS' REPORTING SERVICE

1 ACTION ITEMS, THERE'S AN OPPORTUNITY FOR THE PUBLIC  
2 TO COMMENT AT THE END OF THE PRESENTATION AND  
3 DISCUSSION BY THE BOARD. AND FOR THOSE MEMBERS OF  
4 THE PUBLIC WHO DO WISH TO COMMENT ON THE PARTICULAR  
5 ITEMS AT ISSUE, THAT IS THE TIME TO DO SO. THERE'S  
6 A WRAP-UP PUBLIC COMMENT SESSION THAT IS MEANT TO BE  
7 ON OTHER ITEMS AT THE END OF THE BOARD MEETING. AND  
8 AGAIN, MEMBERS OF THE PUBLIC, IF YOU ARE GOING TO  
9 GIVE PUBLIC COMMENT, PLEASE REMEMBER THAT YOU HAVE  
10 THREE MINUTES TO DO SO.

11 ITEM NO. 7, OUR FIRST ACTION ITEM,  
12 CONSIDERATION OF AMENDMENTS TO THE CONCEPT PLANS FOR  
13 THE TRANSLATIONAL AND CLINICAL PROGRAMS REGARDING  
14 LOANS AND TO THE TRANSLATION AND DISCOVERY PROGRAMS  
15 REGARDING SCHEDULES. WE'RE GOING TO HAVE A  
16 PRESENTATION HERE BY DR. OLSON.

17 DR. OLSON: THANK YOU, CHAIRMAN THOMAS.  
18 MEMBERS OF THE BOARD, MEMBERS OF THE PUBLIC, AND  
19 MEMBERS OF CIRM TEAM, WHAT I'D LIKE TO DO TODAY IS  
20 JUST PRESENT TO YOU THE PROPOSED UPDATE TO THE  
21 DISCOVERY AND TRANSLATION CONCEPT PLANS THAT WERE  
22 PRESENTED AND APPROVED BY YOU, THE BOARD, AT THE  
23 JULY 23D MEETING AND ALSO AN UPDATE TO THE CLINICAL  
24 CONCEPT PLAN THAT YOU APPROVED LATE LAST YEAR.

25 SO THERE ARE TWO CHANGES. THE FIRST ONE I

BARRISTERS' REPORTING SERVICE

1 WANT TO DISCUSS IS THE CHANGE IN THE LOAN ELECTION  
2 OPTION. UNDER THE APPROVED CONCEPT PLANS,  
3 SUCCESSFUL APPLICANTS WHO RECEIVED A TRANSLATION  
4 STAGE AWARD FOR EARLY DEVELOPMENT OF A THERAPEUTIC,  
5 A DIAGNOSTIC TEST, OR A MEDICAL DEVICE, OR  
6 SUCCESSFUL APPLICANTS WHO RECEIVED A CLINICAL STAGE  
7 AWARD FOR A THERAPEUTIC OR A MEDICAL DEVICE COULD  
8 ELECT TO TREAT THE AWARD AS A LOAN AT ANY TIME  
9 WITHIN THE EARLIER OF A PERIOD SPECIFIED OR A  
10 REGULATORY SUBMISSION FOR MARKETING.

11 SINCE THE CONCEPT PLAN APPROVAL, CIRM HAS  
12 BEEN CONTINUING TO REFINE THE LOAN ELECTION POLICY  
13 IN ORDER TO ESTABLISH AN APPROPRIATE RATE OF RETURN  
14 FOR AWARDEES WHO ACTUALLY ELECT THE LOAN OPTION.  
15 BASED ON THIS ANALYSIS, WE ARE NOW PROPOSING TO  
16 OFFER THE LOAN OPTION ONLY TO THERAPEUTIC  
17 DEVELOPMENT AWARDEES IN ORDER TO AVOID THE  
18 COMPLEXITY ASSOCIATED WITH ESTABLISHING REPAYMENT  
19 TERMS FOR DIAGNOSTICS AND DEVICES WHICH HAVE  
20 VARIABLE REGULATORY PATHWAYS.

21 THE LOAN ELECTION TERMS FOR THERAPEUTICS  
22 WILL BE SPECIFIED IN THE CLINICAL AND IN THE  
23 DISCOVERY AND TRANSLATION PROGRAM GRANTS  
24 ADMINISTRATION POLICY WHICH WILL BE PRESENTED TO THE  
25 BOARD FOR CONSIDERATION LATER THIS FALL.

BARRISTERS' REPORTING SERVICE

1 AS NOTED BY THE SCIENCE SUBCOMMITTEE AT A  
2 MEETING EARLIER THIS MONTH, THE LOAN ELECTION OPTION  
3 WAS INTENDED TO ENCOURAGE INDUSTRY PARTICIPATION.  
4 SO WE WILL CONTINUE TO MONITOR THIS PROGRAM IN ORDER  
5 TO DETERMINE WHETHER THE ABSENCE OF A LOAN OPTION  
6 FOR DIAGNOSTICS AND FOR MEDICAL DEVICES IS ACTUALLY  
7 A BARRIER TO APPLICATION SUBMISSION. IF SO, WE WILL  
8 RETURN TO THE BOARD WITH A REQUEST FOR MODIFICATION.

9 SO ARE THERE ANY QUESTIONS REGARDING THIS  
10 PARTICULAR PROPOSED CHANGE? IF NOT, I'LL PROCEED TO  
11 THE SECOND ITEM, WHICH IS A REQUEST TO ELIMINATE THE  
12 SPECIFICITY IN THE DISCOVERY AND TRANSLATION CONCEPT  
13 PLANS REGARDING APPLICATION SUBMISSION DEADLINES.

14 THE DISCOVERY AND TRANSLATION CONCEPT  
15 PLANS THAT WE PROPOSED IN JULY AND WERE APPROVED BY  
16 THE BOARD INCLUDED DETAILS ON THE TIMING AND ORDER  
17 OF SUBMISSION OF APPLICATIONS IN RESPONSE TO PROGRAM  
18 ANNOUNCEMENTS THAT FALL UNDER THE D AND T PROGRAMS.  
19 CIRM, IN ORDER TO OPERATE EFFICIENTLY AND TO RESPOND  
20 TO CHANGING CIRCUMSTANCES, NEEDS TO BE NIMBLE AND  
21 FLEXIBLE. THEREFORE, TO ENSURE THAT CIRM CAN REMAIN  
22 FLEXIBLE TO MEET THESE NEEDS, WE PROPOSE TO  
23 ELIMINATE THE SPECIFICITY IN THE TIMING OF  
24 APPLICATION SUBMISSION AS OUTLINED IN THE DISCOVERY  
25 AND TRANSLATION CONCEPT PLANS. AGAIN, THIS WAS

BARRISTERS' REPORTING SERVICE

1 PRESENTED TO THE SCIENCE SUBCOMMITTEE EARLIER THIS  
2 MONTH AND, YOU KNOW, ESSENTIALLY THEY APPROVED IT.

3 THE TIMING OF APPLICATION SUBMISSION WILL  
4 BE DEFINED IN THE PROGRAM ANNOUNCEMENTS WHEN THEY  
5 APPEAR. SO THE CIRM TEAM WOULD LIKE TO RECOMMEND  
6 THAT THE BOARD APPROVE PROPOSED AMENDMENTS TO THE  
7 TRANSLATION AND DISCOVERY PROGRAM AND CLINICAL  
8 PROGRAM OFFERING THE LOAN OPTION ONLY TO THERAPEUTIC  
9 DEVELOPMENT AWARDEES UNDER THE CLINICAL AND  
10 TRANSLATION PROGRAMS TO TREAT THEIR AWARD AS A LOAN  
11 UNDER TERMS TO BE PRESENTED TO THE BOARD AS PART OF  
12 THE CLINICAL AND DISCOVERY AND TRANSLATION PROGRAM  
13 GRANTS ADMINISTRATION POLICY.

14 AND SECOND, WE WOULD REQUEST, WE WOULD  
15 RECOMMEND THAT THE BOARD ELIMINATE THE SPECIFICITY  
16 DETAILED IN THE DISCOVERY AND TRANSLATION CONCEPT  
17 PLANS REGARDLESS OF SCHEDULE FOR SUBMISSION OF  
18 APPLICATION IN RESPONSE TO PROGRAM ANNOUNCEMENTS  
19 THAT ARE ISSUED UNDER THESE PLANS. THANK YOU.

20 DR. MILLS: IF I MAY JUST MAKE A FEW  
21 CLARIFYING COMMENTS ABOUT THE PROPOSAL THAT PAT HAS  
22 JUST LAID OUT SO PEOPLE UNDERSTAND SPECIFICALLY WHAT  
23 WE'RE TRYING TO DO.

24 THE REQUEST, THE SECOND REQUEST IN THE  
25 PROPOSAL, I THINK, IS AN IMPORTANT ONE. AT THE LAST

BARRISTERS' REPORTING SERVICE

1 MEETING THERE WERE -- AT THE LAST BOARD MEETING,  
2 THERE WERE SEVERAL REQUESTS THAT CENTERED AROUND  
3 CHANGING THE SEQUENCE IN WHICH THE DISCOVERY AND THE  
4 TRANSLATIONAL PROGRAMS WERE STARTED, RECOGNIZING  
5 THAT BOTH OF THOSE PROGRAMS WOULD CONTINUE ON  
6 INDEFINITELY THROUGH CIRM'S LIFE ALTERNATING EVERY  
7 THREE MONTHS TO, INSTEAD OF STARTING WITH THE  
8 DISCOVERY PROGRAMS AND THEN THREE MONTHS LATER  
9 SWITCHING TO THE LAUNCH OF THE TRANSLATIONAL  
10 PROGRAMS, TO INSTEAD START WITH TRANSLATIONAL  
11 PROGRAM AND THEN MOVE INTO THE DISCOVERY PROGRAM.  
12 BECAUSE OF THE SPECIFICITY THAT WE PUT IN THE  
13 CONCEPT PLAN, WE WERE UNABLE TO JUST MAKE THAT  
14 CHANGE UNILATERALLY.

15 SO SPECIFICALLY WE'RE ASKING FOR THAT  
16 SEQUENCING SPECIFICITY TO BE REMOVED FROM THE  
17 CONCEPT PLAN. THE NET EFFECT OF THAT WILL BE, IF  
18 THAT IS DONE, THEN WE WILL LAUNCH THE TRANSLATIONAL  
19 PROGRAM AND ACCEPT APPLICATIONS WITHIN THE NEXT  
20 SEVEN DAYS. SO THAT'S THE EFFECT OF WHAT WE'RE  
21 DOING.

22 (APPLAUSE.)

23 CHAIRMAN THOMAS: OKAY. THANK YOU VERY  
24 MUCH, RANDY. DO WE HAVE A MOTION FROM A MEMBER OF  
25 THE BOARD ON THIS ITEM?

BARRISTERS' REPORTING SERVICE

1 MS. WINOKUR: I SO MOVE.

2 CHAIRMAN THOMAS: THANK YOU. WAS THAT  
3 DIANE?

4 MS. WINOKUR: UH-HUH.

5 CHAIRMAN THOMAS: THANK YOU, DIANE. IS  
6 THERE A SECOND?

7 MR. HIGGINS: I SECOND.

8 MS. CHEUNG: DAVID SECONDS FROM UCSD.

9 CHAIRMAN THOMAS: OKAY. DR. HIGGINS  
10 SECOND. DISCUSSION BY MEMBERS OF THE BOARD?  
11 HEARING NONE, DO WE HAVE PUBLIC COMMENT?

12 DR. MILLS: WE DO HERE. HOLD ON JUST ONE  
13 SECOND.

14 MR. RODUNSKY: MY NAME IS MICHAEL  
15 RODUNSKY, AND I AM ONE OF THE PATIENTS WITH  
16 PARKINSON'S THAT WILL BE INVOLVED IN JEANNE LORING  
17 AND MELISSA HOUSER'S STUDY SUPPORTED BY SHERRIE  
18 GOULD. AND WE ARE VERY, VERY APPRECIATIVE OF THIS  
19 PROPOSED CHANGE, AND WE HOPE THAT IT PASSES. WE ARE  
20 IN GREAT NEED TO MAKE THIS HAPPEN FOR US, AND I JUST  
21 WANT TO SAY THANK YOU VERY, VERY MUCH, KEVIN, RANDY,  
22 THE WHOLE TEAM, DAVID, THANK YOU VERY MUCH.

23 CHAIRMAN THOMAS: THANK YOU.

24 MS. ROBB: HI. I'M JENNIFER ROBB. I'M  
25 GIDDY. THANK YOU VERY MUCH FOR THIS. JENNIFER



BARRISTERS' REPORTING SERVICE

1 ROBB, AND I'M ABSOLUTELY GIDDY. THANK YOU ALL FOR  
2 THE SPECIAL CONSIDERATION FOR SUMMIT4STEMCELL AND  
3 ALL TRANSLATIONAL PROGRAMS. I APPLAUD THAT AND I  
4 HOPE IT PASSES.

5 MS. GOULD: THIS IS SHERRIE GOULD. AND I  
6 CAN'T THANK CIRM ENOUGH AND ALL OF YOU FOR GIVING US  
7 THE OPPORTUNITY, AND THAT IS REALLY WHAT WE WANTED  
8 IS JUST AN OPPORTUNITY TO APPLY FOR A GRANT, FOR  
9 MONEY FOR SOMETHING THAT'S APPROPRIATE FOR OUR  
10 PROJECT. AND THIS IS REALLY OUR FIRST OPPORTUNITY  
11 TO DO SO, AND THE GRATITUDE CANNOT BE EXPRESSED  
12 DEEPLY ENOUGH. THANK YOU SO VERY MUCH.

13 CHAIRMAN THOMAS: THANK YOU.

14 DR. HOUSER: HELLO. I'M MELISSA HOUSER.  
15 I'M A CLINICAL NEUROLOGIST SPECIALIZING IN  
16 PARKINSON'S DISEASE, WORKING WITH JEANNE LORING ON  
17 OUR PARTICULAR PROJECT. BUT I JUST SPEAK ON BEHALF  
18 OF ALL THE PEOPLE IN THIS ROOM IN SAN DIEGO BECAUSE  
19 YOU CAN'T SEE US HERE, BUT WHEN RANDY ANNOUNCED  
20 THAT, THERE WAS AN AUDIBLE GASP FROM THE PUBLIC, AND  
21 WE APPRECIATE THIS MOVEMENT SO MUCH FOR  
22 TRANSLATIONAL WORK. THANK YOU.

23 CHAIRMAN THOMAS: THANK YOU.

24 MR. FITZPATRICK: MY NAME IS ED  
25 FITZPATRICK. I'M ONE OF THE EIGHT INVOLVED IN THIS

BARRISTERS' REPORTING SERVICE

1 PROGRAM, AND I CAN'T THANK YOU ENOUGH. AND IT IS  
2 CLEAR TO ME THAT THE LAST ROUGHLY 11 YEARS SINCE  
3 THIS PROGRAM STARTED, GREAT THINGS HAVE BEEN  
4 BEGINNING TO HAPPEN, AND NEXT NOVEMBER 2016, I THINK  
5 YOU'RE GOING FOR ANOTHER GRANT OF \$5 BILLION. I  
6 THINK THIS IS A STEP THAT'S GOING TO GET YOU THAT  
7 MONEY. THANK YOU VERY MUCH.

8 CHAIRMAN THOMAS: THANK YOU.

9 DR. LORING: THIS IS JEANNE LORING. I  
10 JUST WANT TO POINT OUT THAT ONE OF THE MEMBERS OF  
11 THE GROUP THAT WE HAVE FOR THE PILOT PROJECT FOR  
12 PARKINSON'S DISEASE WOULD SPEAK EXCEPT FOR SHE'S IN  
13 TEARS. SHE'S SO HAPPY.

14 (APPLAUSE.)

15 CHAIRMAN THOMAS: THANK YOU. SO WE GO NOW  
16 TO THE VOTE. MARIA, WILL YOU CALL THE ROLL.

17 MS. BONNEVILLE: LINDA BOXER.

18 DR. BOXER: YES.

19 MS. BONNEVILLE: SUE BRYANT. KEN BURTIS.

20 DR. BURTIS: YES.

21 MS. BONNEVILLE: JACK DIXON.

22 DR. DIXON: YES.

23 MS. BONNEVILLE: ANNE-MARIE DULIEGE.

24 ELIZABETH FINI.

25 DR. FINI: YES.

BARRISTERS' REPORTING SERVICE

1 MS. BONNEVILLE: MICHAEL FRIEDMAN. JUDY  
2 GASSON.  
3 DR. GASSON: YES.  
4 MS. BONNEVILLE: DAVID HIGGINS.  
5 MR. HIGGINS: YES.  
6 MS. BONNEVILLE: STEVE JUELSGAARD.  
7 DR. JUELSGAARD: YES.  
8 MS. BONNEVILLE: SHERRY LANSING. KATHY  
9 LAPORTE. BERT LUBIN. SHLOMO MELMED.  
10 DR. MELMED: YES.  
11 MS. BONNEVILLE: LAUREN MILLER.  
12 MS. MILLER: YES.  
13 MS. BONNEVILLE: ADRIANA PADILLA.  
14 DR. PADILLA: YES.  
15 MS. BONNEVILLE: JOE PANETTA. ROBERT  
16 PRICE.  
17 DR. PRICE: YES.  
18 MS. BONNEVILLE: FRANCISCO PRIETO. ROBERT  
19 QUINT.  
20 DR. QUINT: YES.  
21 MS. BONNEVILLE: AL ROWLETT.  
22 MR. ROWLETT: YES.  
23 MS. BONNEVILLE: JEFF SHEEHY.  
24 MR. SHEEHY: YES.  
25 MS. BONNEVILLE: OS STEWARD.

BARRISTERS' REPORTING SERVICE

1 DR. STEWARD: YES.  
2 MS. BONNEVILLE: JONATHAN THOMAS.  
3 CHAIRMAN THOMAS: YES.  
4 MS. BONNEVILLE: ART TORRES. KRISTINA  
5 VUORI.  
6 DR. VUORI: YES.  
7 MS. BONNEVILLE: DONNA WESTON.  
8 DR. WESTON: YES.  
9 MS. BONNEVILLE: DIANE WINOKUR.  
10 MS. WINOKUR: YES.  
11 MS. BONNEVILLE: BRUCE WINTRAUB.  
12 DR. WINTRAUB: YES.  
13 MR. HARRISON: MOTION CARRIES 20 TO ZERO.  
14 CHAIRMAN THOMAS: THANK YOU, MR. HARRISON.  
15 ON TO ITEM NO. 8.  
16 (APPLAUSE.)  
17 CHAIRMAN THOMAS: NO. 8, CONSIDERATION OF  
18 APPLICATIONS SUBMITTED IN RESPONSE TO PROGRAM  
19 ANNOUNCEMENT 15-02, PARTNERING OPPORTUNITIES FOR  
20 CLINICAL TRIAL STAGE PROJECTS. I'M GOING TO BE  
21 TURNING THIS OVER AT THIS POINT TO MR. SHEEHY.  
22 MR. SHEEHY: THANK YOU, CHAIRMAN THOMAS.  
23 IS SOMEONE FROM THE CIRM TEAM, PERHAPS DR. SAMBRANO,  
24 GOING TO PRESENT ON THIS APPLICATION?  
25 DR. SAMBRANO: YES. I'M PREPARED TO

BARRISTERS' REPORTING SERVICE

1 PRESENT.

2 MR. SHEEHY: GREAT. GREAT. AND I JUST,  
3 AGAIN, I CAN'T SAY THIS TOO OFTEN. I REALLY WANT TO  
4 COMMEND THE CIRM TEAM FOR THE EFFICIENCY AND THE  
5 SPEED AND THE QUALITY OF THE APPLICATIONS AND THE  
6 PROCESSING OF THE APPLICATIONS. THIS HAS REALLY  
7 BEEN AMAZING. WHAT ROUND ARE WE ON, DR. SAMBRANO,  
8 OF THIS INITIATIVE SINCE WE STARTED?

9 DR. SAMBRANO: SO OUR INITIAL REVIEW ROUND  
10 BEGAN IN MARCH, AND SO WE'RE NOW IN SEPTEMBER, SO  
11 WE'RE ABOUT SEVEN OR EIGHT.

12 MR. SHEEHY: THAT'S GREAT. IT'S JUST A  
13 MACHINE.

14 ANYWAY, DR. SAMBRANO, IF YOU WOULD LIKE TO  
15 TAKE US THROUGH THIS APPLICATION.

16 DR. SAMBRANO: THANK YOU, MR. SHEEHY.  
17 WE'RE BRINGING FOR YOUR CONSIDERATION AN APPLICATION  
18 THAT WAS SUBMITTED AND REVIEWED UNDER THE CLINICAL  
19 PROGRAM 15-02 AS WAS INDICATED. AND 15-02 SUPPORTS  
20 SPECIFICALLY CLINICAL TRIAL PROJECTS.

21 ON SLIDE 3 ON THE DECK THAT I PROVIDED  
22 YOU, THERE'S JUST A BRIEF REMINDER OF THE SCORING  
23 SYSTEM THAT IS UTILIZED BY THE GRANTS WORKING GROUP.  
24 VERY SIMPLE, 1, 2, OR A 3. A SCORE OF 1 MEANING THE  
25 APPLICATION IS OF EXCEPTIONAL MERIT AND WARRANTS

BARRISTERS' REPORTING SERVICE

1 FUNDING. A SCORE OF 2 MEANS IT IS A PROMISING  
2 PROPOSAL, BUT DOES NOT WARRANT FUNDING AT THIS TIME,  
3 BUT COULD BE RESUBMITTED TO ADDRESS AREAS FOR  
4 IMPROVEMENT. A SCORE OF 3 MEANS THAT IT'S  
5 SUFFICIENTLY FLAWED SUCH THAT IT SHOULD NOT BE  
6 FUNDED.

7 ON SLIDE 4 I HAVE A SUMMARY OF THE  
8 SPECIFIC PROPOSAL CTS1-08280. THIS IS A PHASE III  
9 CLINICAL TRIAL FOR GLIOBLASTOMA. THE THERAPY IS AN  
10 AUTOLOGOUS ONE THAT UTILIZES DENDRITIC CELLS THAT  
11 ARE PULSED WITH SPECIFIC PEPTIDES THAT ARE DERIVED  
12 FROM THE TUMORS FROM THE PATIENT AND THEN  
13 REINTRODUCED AS A CELL THERAPY BACK TO THE PATIENT  
14 TO INCITE THE IMMUNE SYSTEM TO ATTACK THE TUMOR.

15 THE INDICATION IS FOR NEWLY DIAGNOSED  
16 GLIOBLASTOMA PATIENTS.

17 AND THE GOAL OF THIS STUDY IS TO COMPLETE  
18 A PHASE III CLINICAL TRIAL UNDER AN SPA TO  
19 DEMONSTRATE BOTH SAFETY AND EFFICACY OF THE THERAPY  
20 FOR THESE PATIENTS.

21 THE MAJOR PROPOSED ACTIVITIES INCLUDE  
22 CLINICAL SITE INITIATION AND PATIENT ENROLLMENT AT  
23 MULTIPLE SITES, THE MANUFACTURE OF THE AUTOLOGOUS  
24 THERAPEUTIC PRODUCT FOR EACH PATIENT IN THE TRIAL,  
25 AND TO CONDUCT ALL THE ACTIVITIES RELATED TO THE

BARRISTERS' REPORTING SERVICE

1 MULTICENTER TRIAL, AND PERFORM THE FINAL DATA  
2 ANALYSES.

3 THEY REQUEST 19.9 MILLION FROM CIRM. THE  
4 APPLICANT IS PROVIDING 35.4 MILLION IN CO-FUNDING.

5 ON THE FINAL SLIDE IS A SUMMARY OF THE GWG  
6 REVIEW AND ALSO OUR INTERNAL BUDGET REVIEW. WE  
7 CONDUCT A THOROUGH BUDGET REVIEW BEFORE AN  
8 APPLICATION GOES TO THE GWG, AND THIS APPLICATION  
9 PASSED. SO THE BUDGET IS GOOD. THE GWG GAVE IT A  
10 SCORE OF 1, AND THIS IS AN EXAMPLE OF AN APPLICATION  
11 THAT WENT THROUGH THE GWG TWICE. SO ORIGINALLY IT  
12 RECEIVED A SCORE OF 2, AND SO THE APPLICANT HAD THE  
13 OPPORTUNITY TO ADDRESS CONCERNS. AND WHAT WE  
14 SPECIFICALLY DO IS PROVIDE THE APPLICANT A SUMMARY  
15 OF KEY CONCERNS AS WELL AS RECOMMENDATIONS TO  
16 ADDRESS THOSE CONCERNS. IN THIS PARTICULAR CASE THE  
17 APPLICANT SUBMITTED A NEW REVISED APPLICATION WITHIN  
18 TWO WEEKS. SO BASICALLY WITHIN THE FOLLOWING MONTH  
19 WE WERE ABLE TO REVIEW THE RESUBMITTED APPLICATION.  
20 THE APPLICANT VERY WELL ADDRESSED THE CONCERNS OF  
21 REVIEWERS, AND THEY OVERWHELMINGLY GAVE THIS  
22 APPLICATION A SCORE OF 1.

23 FOLLOWING THAT MEETING, CIRM TEAM OFTEN  
24 WILL FOLLOW WITH ITS OWN RECOMMENDATION, AND IN THIS  
25 CASE WE CONCUR WITH THE GRANTS WORKING GROUP

BARRISTERS' REPORTING SERVICE

1 RECOMMENDATION FOR AN AWARD AMOUNT OF 19.9 MILLION.

2 SO ARE THERE ANY QUESTIONS?

3 MR. SHEEHY: SO DO WE HAVE NO QUESTIONS  
4 FROM BOARD MEMBERS?

5 CHAIRMAN THOMAS: JEFF, IT'S J.T. THIS  
6 ISN'T A QUESTION, JUST A COMMENT THAT BUILDS OFF OF  
7 WHAT YOU SAID A FEW MINUTES AGO, WHICH IS THIS IS A  
8 GREAT EXAMPLE OF THE BEAUTY OF THE 2.0 PROCESS THAT  
9 RANDY AND THE TEAM HAVE INSTITUTED WITH RESPECT TO  
10 OUR PROJECTS. IT ALLOWED FOR TAKING A PROJECT THAT  
11 WAS GOOD, BUT NOT QUITE AT THE RECOMMENDED FOR  
12 FUNDING LEVEL, AND ALLOWED FOR INPUT AND REVISION  
13 AND REAL-TIME TURNAROUND REAPPLICATION WHICH LED TO  
14 THIS REVISED SCORE AND HIGH DEGREE OF ENTHUSIASM  
15 FROM THE GRANTS WORKING GROUP. THIS IS EXACTLY A  
16 TEXTBOOK EXAMPLE OF HOW CIRM'S PROCESSES HAVE BEEN  
17 IMPROVED THROUGH 2.0 TO ALLOW FOR THIS SORT OF  
18 THING. SO I JUST WANT TO ECHO WHAT JEFF SAID AND  
19 CONGRATULATE RANDY AND THE TEAM FOR PUTTING IN PLACE  
20 NOW A REAL IMPROVED PROCESS THAT WILL ONLY MAKE THE  
21 QUALITY OF OUR PROJECTS BETTER. MR. SHEEHY.

22 MR. SHEEHY: THANK YOU, CHAIRMAN THOMAS.  
23 I THINK THE NEXT STEP IS A MOTION AND A SECOND FROM  
24 A MEMBER OF THE COMMITTEE. I JUST WANT TO NOTE TOO  
25 THAT THERE'S REAL NEED IN THESE PROJECTS THAT WE'RE



BARRISTERS' REPORTING SERVICE

1 APPROVING. THIS PARTICULAR DISEASE HAS A MEDIAN  
2 SURVIVAL RATE OF JUST OVER A YEAR. SO IF WE DO GET  
3 SUCCESS WITH SOME OF THESE PROJECTS, WE WILL MAKE AN  
4 IMMENSE DIFFERENCE IN PATIENT'S LIVES.

5 SO DO I HAVE A MOTION TO APPROVE?

6 MS. LAPORTE: SO MOVED.

7 MR. SHEEHY: OKAY. AND CAN I GET A  
8 SECOND?

9 MR. ROWLETT: SECOND.

10 MR. SHEEHY: GREAT. THANKS, AL. AND THEN  
11 AT ANY OF THE SITES IS THERE PUBLIC COMMENT? MAYBE  
12 WE'LL START IN SAN DIEGO.

13 MS. CHEUNG: NO PUBLIC COMMENT HERE.

14 MR. SHEEHY: AND I THINK THE OTHER SITES  
15 WE HAVE ARE AT UCLA.

16 DR. GASSON: YES. WE HAVE PUBLIC COMMENT.

17 MR. SHEEHY: OH, GREAT.

18 DR. GENGOS: THANK YOU FOR THIS  
19 OPPORTUNITY TO COMMENT. I'LL READ MY COMMENTS SO AS  
20 TO STAY BRIEF. MY NAME IS ANDREW GENGOS. I'M THE  
21 PRESIDENT AND CEO OF IMMUNOCELLULAR THERAPEUTICS,  
22 WHICH IS THE COMPANY DEVELOPING THE TREATMENT  
23 CONTEMPLATED IN THIS GRANT APPLICATION.

24 I'D LIKE TO GIVE YOU A SENSE FOR HOW  
25 IMPORTANT THIS POTENTIAL FUNDING IS TO BRING CANCER

BARRISTERS' REPORTING SERVICE

1 PATIENTS WHO REALLY DON'T HAVE MANY TREATMENT  
2 OPTIONS AND HAVEN'T SEEN MUCH INNOVATION IN OVER A  
3 DECADE. IMMUNOCELLULAR IS A SMALL CALIFORNIA-BASED  
4 BIOTECHNOLOGY COMPANY. WE CURRENTLY HAVE SIX  
5 FULL-TIME EMPLOYEES IN OUR PUBLICLY LISTED COMPANY.

6 FOR SOME TIME NOW I'VE BEEN MEETING WITH  
7 INVESTOR GROUPS THAT FOCUS AT LEAST SOME OF THEIR  
8 CAPITAL ON PUBLIC BIOTECHNOLOGY COMPANIES. TO BE  
9 CLEAR, BIOTECHNOLOGY TREATMENT DEVELOPMENT PROGRAMS  
10 ARE RISKY, AND WE ALL KNOW THAT THERE'S A LARGE  
11 FAILURE RATE IN THE CLINICAL TRIAL PROCESS LEADING  
12 TO FDA REGISTRATION.

13 IN GLIOBLASTOMA ANY PHASE III  
14 REGISTRATIONAL TRIAL IS GOING TO TAKE A LONG TIME TO  
15 EXECUTE BECAUSE THE FDA REQUIRES OVERALL SURVIVAL AS  
16 THE REGISTRATIONAL ENDPOINT. WE PROJECT OUR PHASE  
17 III PROGRAM WILL REQUIRE FIVE YEARS TO EXECUTE.  
18 FRANKLY, THIS TIME PERIOD IS OUTSIDE THE INTEREST OF  
19 MOST PUBLIC MARKET INVESTORS IN TERMS OF THEIR  
20 INVESTMENT HORIZON AND, THEREFORE, IN THEIR EYES,  
21 HANDICAPS OUR PROJECT COMPARED TO OTHER PROJECTS  
22 THAT CAN EXECUTE IN A SHORTER TIME FRAME. THE  
23 RESULT IS THAT INVESTMENT CAPITAL IS HARD TO COME BY  
24 FOR THESE TYPES OF PROMISING AND HIGHLY INNOVATIVE  
25 THERAPIES ESPECIALLY WHEN THE INVESTMENT HORIZON IS

BARRISTERS' REPORTING SERVICE

1 LONG AND A SMALL COMPANY WITHOUT PRODUCT REVENUES IS  
2 AT THE HELM.

3 WE, THEREFORE, ALSO CONSIDERED OTHER  
4 POTENTIAL SOURCES OF CAPITAL, INCLUDING GOVERNMENT  
5 AND PHILANTHROPIC ENTITIES.

6 CIRM'S INTEREST IN ICT 107, OUR DENDRITIC  
7 CELL IMMUNOTHERAPY THAT TARGETS CANCER STEM CELLS IN  
8 GLIOBLASTOMA, IS CRUCIAL FOR MANY REASONS. LET ME  
9 ELABORATE ON ONLY TWO. FIRST, THEIR INDEPENDENT  
10 SCIENTIFIC REVIEW AND ENDORSEMENT OF OUR PROGRAM  
11 REPRESENTS AN OBJECTIVE VALIDATION OF OUR DENDRITIC  
12 CELL IMMUNOTHERAPY TECHNOLOGY. THIS IS A SIGNAL TO  
13 THE SCIENTIFIC AND FINANCIAL COMMUNITIES THAT THE  
14 PROGRAM HAS GENUINE POTENTIAL.

15 SECOND, THEIR POTENTIAL FINANCIAL SUPPORT  
16 OF THIS PROGRAM TRULY ENABLES US TO EXECUTE THIS  
17 PHASE III PROGRAM AND DELIVER ON OUR PROMISE TO  
18 BRAIN CANCER PATIENTS TO PUSH THIS PROMISING  
19 TECHNOLOGY FORWARD.

20 I DON'T THINK IT'S AN OVERSTATEMENT TO SAY  
21 THAT WITHOUT CIRM SUPPORT, THIS PROGRAM WOULD NOT GO  
22 FORWARD. CALIFORNIA'S INNOVATIVE BIOTECHNOLOGY  
23 COMMUNITY NEEDS INSTITUTIONS LIKE CIRM. CLEARLY WE  
24 NEED CIRM, AND BRAIN CANCER PATIENTS NEED CIRM.

25 SO, IN CONCLUSION, AND ON BEHALF OF MY

BARRISTERS' REPORTING SERVICE

1 COLLEAGUES AT IMMUNOCELLULAR, I'D JUST LIKE TO THANK  
2 CIRM FOR THEIR CONSIDERATION OF THIS WORTHWHILE  
3 PROJECT. WE'RE DEEPLY AND HUMBLY IN YOUR DEBT FOR  
4 THE POTENTIAL SUPPORT YOU WILL PROVIDE US AND HOW IT  
5 WILL ENABLE US TO DELIVER FOR THESE PATIENTS. THANK  
6 YOU AGAIN FOR THE OPPORTUNITY TO COMMENT.

7 CHAIRMAN THOMAS: THANK YOU, DOCTOR.

8 MR. SHEEHY: YES, THANK YOU FOR YOUR  
9 COMMENTS. THE OTHER ITEM WHERE WE HAVE PUBLIC, I  
10 THINK, IS AT USC. ARE THERE ANY COMMENTS THERE,  
11 FURTHER COMMENT.

12 DR. FINI: NO, WE HAVE NO COMMENT AT THIS  
13 SITE.

14 MR. SHEEHY: GREAT. SO I THINK WE'RE  
15 READY TO CALL THE ROLL. WE COVERED ALL OUR PUBLIC  
16 COMMENT SITES. SO, MS. BONNEVILLE.

17 MS. BONNEVILLE: THANK YOU.

18 ANNE-MARIE DULIEGE. DAVID HIGGINS.

19 MR. HIGGINS: YES.

20 MS. BONNEVILLE: STEVE JUELSGAARD.

21 DR. JUELSGAARD: YES.

22 MS. BONNEVILLE: SHERRY LANSING. KATHY  
23 LAPORTE.

24 MS. LAPORTE: YES.

25 MS. BONNEVILLE: LAUREN MILLER.

BARRISTERS' REPORTING SERVICE

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MS. MILLER: YES.

MS. BONNEVILLE: ADRIANA PADILLA.

DR. PADILLA: YES.

MS. BONNEVILLE: JOE PANETTA. FRANCISCO  
PRIETO. ROBERT QUINT.

DR. QUINT: YES.

MS. BONNEVILLE: AL ROWLETT.

MR. ROWLETT: YES.

MS. BONNEVILLE: JEFF SHEEHY.

MR. SHEEHY: YES.

MS. BONNEVILLE: OS STEWARD.

DR. STEWARD: YES.

MS. BONNEVILLE: JONATHAN THOMAS.

CHAIRMAN THOMAS: YES.

MS. BONNEVILLE: ART TORRES. DIANE  
WINOKUR.

MS. WINOKUR: YES.

MR. HARRISON: MOTION CARRIES.

MR. SHEEHY: GREAT. WELL, I THINK THAT  
CONCLUDES THE BUSINESS OF THE APPLICATION REVIEW  
SUBCOMMITTEE. IT'S BACK TO YOU, CHAIRMAN THOMAS.  
THANK YOU.

CHAIRMAN THOMAS: THANK YOU, MR. SHEEHY.  
ON TO ITEM NO. 9, CONSIDERATION OF AMENDMENTS TO THE  
LOAN ADMINISTRATION POLICY TO PERMIT EXISTING LOAN

BARRISTERS' REPORTING SERVICE

1 RECIPIENTS WHOSE LOAN HAS BEEN FORGIVEN TO CONVERT  
2 THE AWARD TO A GRANT. WE'RE GOING TO HAVE A  
3 PRESENTATION BY MR. TOCHER.

4 MR. TOCHER: THANK YOU, J.T. GOOD  
5 MORNING, CHAIRMAN AND MEMBERS OF THE GOVERNING  
6 BOARD.

7 AS YOU ARE AWARE, THE AGENCY IS CURRENTLY  
8 REVIEWING ALL ITS POLICIES TO FIND EFFICIENCIES AND  
9 ASSURE THAT THESE POLICIES CONTINUE TO SERVE OUR  
10 MISSION AND OUR STAKEHOLDERS. TO THAT END, EARLIER  
11 THIS MONTH THE IP AND INDUSTRY SUBCOMMITTEE  
12 UNANIMOUSLY APPROVED A PROPOSAL TO AMEND OUR LOAN  
13 ADMINISTRATION POLICY TO PERMIT A LOAN RECIPIENT  
14 WHOSE LOAN HAS BEEN FORGIVEN TO CONVERT THAT LOAN TO  
15 A GRANT.

16 SO BY WAY OF BACKGROUND, THERE ARE TWO  
17 WAYS THAT THE LOAN OBLIGATION REPAYMENT WORKS. A  
18 LOAN RECIPIENT CAN CHOOSE BETWEEN EITHER A  
19 COMPANY-BACKED LOAN, IN WHICH CASE THE LOAN IS  
20 REPAYED REGARDLESS OF THE SUCCESS OF THE PROJECT, OR  
21 A PRODUCT-BACKED LOAN WHICH IS ONLY REPAYED IF THE  
22 PRODUCT IS SUCCESSFUL.

23 IN THAT LATTER SCENARIO, IF NOT  
24 SUCCESSFUL, THE LOAN IS AUTOMATICALLY FORGIVEN  
25 ASSUMING VARIOUS CONDITIONS ARE MET. HOWEVER, THE

BARRISTERS' REPORTING SERVICE

1 LOAN IS THEN REINSTATED AUTOMATICALLY IF REVENUE IN  
2 THE FUTURE IS GENERATED. AS A RESULT, WE'VE LEARNED  
3 FROM A STAKEHOLDER THAT THIS LOAN MUST BE CARRIED ON  
4 THE COMPANY'S BOOKS INDEFINITELY DUE TO THIS  
5 SPRINGING OBLIGATION TO REPAY THE LOAN.

6 THE PROPOSAL AS WE'VE MADE IS TO AMEND THE  
7 LOAN ADMINISTRATION POLICY IN THE CONTEXT OF A  
8 PRODUCT-BACKED LOAN TO ALLOW THE COMPANY TO CONVERT  
9 THAT LOAN ONCE IT'S FORGIVEN INTO A GRANT. AS SUCH,  
10 GOVERNED BY THE RULES GOVERNING A TYPICAL GRANT, THE  
11 LOAN RECIPIENT WOULD THEN UNDERTAKE THE REVENUE  
12 SHARING OBLIGATIONS THAT ARE PRESENT UNDER OUR IP  
13 POLICY.

14 BECAUSE THIS PROPOSAL IS TO AMEND OUR LOAN  
15 ADMINISTRATION POLICY IN THE FORM OF A REGULATION,  
16 WE'RE BEFORE YOU TODAY TO ASK FOR YOUR APPROVAL TO  
17 INITIATE THE RULEMAKING PROCESS TO SOLICIT FURTHER  
18 PUBLIC INPUT FROM STAKEHOLDERS AND MEMBERS OF THIS  
19 BOARD AND THE PUBLIC AND TO THEN, AS A RESULT OF  
20 THAT INPUT, BRING BACK A FINAL PROPOSAL ON AN  
21 AMENDMENT TO THE BOARD BEFORE FINAL ADOPTION. AND  
22 IF THERE ARE ANY QUESTIONS, I'D BE HAPPY TO TAKE  
23 THEM.

24 CHAIRMAN THOMAS: OKAY. HEARING NO  
25 QUESTIONS, I NEED A MOTION TO APPROVE.

BARRISTERS' REPORTING SERVICE

1 MS. WINOKUR: I SO MOVE.

2 CHAIRMAN THOMAS: THANK YOU, DIANE.

3 SECOND?

4 DR. JUELSGAARD: I SECOND.

5 CHAIRMAN THOMAS: THANK YOU, MR.

6 JUELSGAARD. IT'S BEEN MOVED AND SECONDED. ANY  
7 FURTHER DISCUSSION BY MEMBERS OF THE PUBLIC? ANY  
8 COMMENTS BY MEMBERS OF THE PUBLIC? HEARING NONE,  
9 MARIA, WILL YOU CALL THE ROLL.

10 MS. BONNEVILLE: LINDA BOXER.

11 DR. BOXER: YES.

12 MS. BONNEVILLE: SUE BRYANT. KEN BURTIS.

13 DR. BURTIS: YES.

14 MS. BONNEVILLE: JACK DIXON.

15 DR. DIXON: YES.

16 MS. BONNEVILLE: ANNE-MARIE DULIEGE.

17 ELIZABETH FINI.

18 DR. FINI: YES.

19 MS. BONNEVILLE: MICHAEL FRIEDMAN. JUDY  
20 GASSON.

21 DR. GASSON: YES.

22 MS. BONNEVILLE: DAVID HIGGINS.

23 MR. HIGGINS: YES.

24 MS. BONNEVILLE: STEVE JUELSGAARD.

25 DR. JUELSGAARD: YES.



BARRISTERS' REPORTING SERVICE

1 MS. BONNEVILLE: SHERRY LANSING. KATHY  
2 LAPORTE.  
3 MS. LAPORTE: YES.  
4 MS. BONNEVILLE: BERT LUBIN. SHLOMO  
5 MELMED.  
6 DR. MELMED: YES.  
7 MS. BONNEVILLE: LAUREN MILLER.  
8 MS. MILLER: YES.  
9 MS. BONNEVILLE: ADRIANA PADILLA.  
10 DR. PADILLA: YES.  
11 MS. BONNEVILLE: JOE PANETTA. ROBERT  
12 PRICE.  
13 DR. PRICE: YES.  
14 MS. BONNEVILLE: FRANCISCO PRIETO. ROBERT  
15 QUINT.  
16 DR. QUINT: YES.  
17 MS. BONNEVILLE: AL ROWLETT.  
18 MR. ROWLETT: YES.  
19 MS. BONNEVILLE: JEFF SHEEHY.  
20 MR. SHEEHY: YES.  
21 MS. BONNEVILLE: OS STEWARD.  
22 DR. STEWARD: YES.  
23 MS. BONNEVILLE: JONATHAN THOMAS.  
24 CHAIRMAN THOMAS: YES.  
25 MS. BONNEVILLE: ART TORRES. KRISTINA

BARRISTERS' REPORTING SERVICE

1 VUORI.

2 DR. VUORI: YES.

3 MS. BONNEVILLE: DONNA WESTON.

4 DR. WESTON: YES.

5 MS. BONNEVILLE: DIANE WINOKUR.

6 MS. WINOKUR: YES.

7 MS. BONNEVILLE: BRUCE WINTRAUB.

8 DR. WINTRAUB: YES.

9 MS. BONNEVILLE: THANK YOU.

10 MR. HARRISON: MOTION PASSES 21 TO ZERO.

11 CHAIRMAN THOMAS: THANK YOU, MR. HARRISON.

12 THAT CONCLUDES THE ACTION ITEMS. WE'RE NOW GOING TO  
13 PROCEED TO THE DISCUSSION ITEMS. I'LL TAKE THEM A  
14 BIT OUT OF ORDER. WE'RE GOING TO START WITH THE  
15 UPDATE ON OUR STRATEGIC PLAN. I'LL TURN IT OVER  
16 HERE TO DR. MILLS.

17 DR. MILLS: THANK YOU VERY MUCH, CHAIRMAN  
18 THOMAS AND THE BOARD AND ALL STAKEHOLDERS IN  
19 ATTENDANCE TODAY. I WANT TO PROVIDE AN UPDATE ON  
20 THE STRATEGIC PLAN AND THE STRATEGIC PLAN PROCESS  
21 THAT'S BEEN UNDER WAY FOR SOME TIME NOW AT CIRM AND  
22 GIVE ALSO SOME CLARITY ON THE PROCESS MOVING  
23 FORWARD.

24 SO TODAY I'M GOING TO GO THROUGH I  
25 WOULDN'T SAY IN VERY HIGH LEVEL, BUT JUST IN SORT OF

BARRISTERS' REPORTING SERVICE

1 MEDIUM LEVEL DETAIL THE STRATEGIC PLAN AS IT EXISTS  
2 CURRENTLY. AND THEN WE ARE GOING TO LISTEN AND  
3 RECEIVE FEEDBACK ON THIS PLAN, MAKE EDITS TO THE  
4 ACTUAL PLAN DOCUMENT ITSELF, WHICH WE WILL HAVE IN  
5 FRONT OF THE SCIENCE SUBCOMMITTEE LATER, I BELIEVE,  
6 IN NOVEMBER IN DRAFT FORM. WE'LL THEN TAKE COMMENTS  
7 FROM THE SCIENCE SUBCOMMITTEE, INCORPORATE THOSE  
8 INTO WHAT WE BELIEVE THEN WOULD BE FINAL EDITS, AS  
9 WELL AS COMMENTS FROM ANY OTHER STAKEHOLDERS WHO  
10 COMMENT, TURN THOSE INTO FINAL EDITS. AND THEN THE  
11 GOAL IS TO BRING THIS PLAN TO THE BOARD FOR FULL  
12 APPROVAL IN THE DECEMBER MEETING COMING UP.

13 SO I'M GOING TO TAKE YOU THROUGH, AND I'M  
14 GOING TO TRY AND DO IT QUICKLY FOR THE SAKE OF TIME,  
15 BUT THERE ARE A LOT OF IMPORTANT PARTS. AND SO IT'S  
16 NOT GOING TO BE SUPER QUICK, SO I'LL APOLOGIZE FOR  
17 THAT IN ADVANCE.

18 THE FIRST THING I TALK ABOUT WITH THE  
19 STRATEGIC PLAN IS THE STRATEGIC PLANNING PROCESS  
20 THAT WE'VE HAD ONGOING AT CIRM SINCE ACTUALLY A  
21 LITTLE AFTER I ARRIVED AT THE AGENCY. THE POINT OF  
22 THIS PROCESS IS NOT TO COME UP WITH A VISION OF GOOD  
23 OR OKAY OR MEDIOCRE OR ACHIEVABLE, BUT TO ACTUALLY  
24 COME UP WITH A VISION OF SOMETHING THAT WOULD BE  
25 GREAT, SOMETHING THAT WOULD REALLY BE FANTASTIC

BARRISTERS' REPORTING SERVICE

1 THAT, IF WE WERE SUCCESSFUL, WOULD MAKE AN ENORMOUS  
2 IMPACT IN THE LIVES OF THE PATIENTS THAT WE CARE  
3 FOR. SO THAT'S WHERE THE STRATEGIC PLANNING PROCESS  
4 CAME UP.

5 THE STRATEGIC PLANNING PROCESS HAS  
6 INVOLVED ALMOST EVERY STAKEHOLDER THAT'S EXPRESSED  
7 ANY INTEREST IN THE STATE OF CALIFORNIA AND BEYOND.  
8 MATTER OF FACT, NOT VERY LONG AGO, I WAS IN THIS  
9 VERY ROOM MEETING WITH MANY OF THE SAME PATIENT  
10 ADVOCATES AND PATIENTS WHO ARE HERE TODAY. THAT WAS  
11 PART OF THE STRATEGIC PLANNING PROCESS. AND  
12 COMMENTS FROM THAT ARE INCORPORATED INTO THIS PLAN.  
13 WE MET WITH EVERY MAJOR RESEARCH INSTITUTION IN THE  
14 STATE OF CALIFORNIA IN PREPARATION FOR THIS. WE MET  
15 WITH INDUSTRY STAKEHOLDERS, WE HAD CONVERSATIONS  
16 OBVIOUSLY WITH THE BOARD, AND THEN THE INTERNAL CIRM  
17 TEAM HAS BEEN INTIMATELY INVOLVED WITH THIS. SO  
18 THIS PROCESS IS ONE THAT'S EVOLVED OVER A PERIOD OF  
19 TIME AND HAS TAKEN INPUT FROM REALLY EVERY SOURCE  
20 THAT WAS INTERESTED IN PARTICIPATING.

21 SO REALLY QUICKLY ABOUT THE STRATEGIC  
22 PLANNING PROCESS. I'VE TALKED ABOUT THIS A COUPLE  
23 OF TIMES. THERE'S A LOT OF WAYS TO DO THIS THAT ARE  
24 REALLY COMPLEX AND SOMETIMES OVERLY COMPLEX AND  
25 BURDENSOME. TO HAVE A SUCCESSFUL PLAN, YOU REALLY

BARRISTERS' REPORTING SERVICE

1 ONLY NEED THREE THINGS. THE FIRST THING YOU NEED TO  
2 DO IS ESTABLISH WHERE YOU ARE NOW. THAT REQUIRES AN  
3 HONEST ASSESSMENT OF THE ENVIRONMENT THAT YOU'RE  
4 ACTUALLY IN, HOW THAT ENVIRONMENT'S CHANGED. YOU  
5 HAVE TO CONFRONT FACTS, SOMETIMES BRUTAL FACTS. YOU  
6 HAVE TO BE VERY HONEST ABOUT THAT. THAT PROCESS  
7 ENDS WITH REALLY UNDERSTANDING THE MISSION OF THE  
8 AGENCY AND MAKING SURE THAT WE'RE ALL ALIGNED AROUND  
9 THAT.

10 SO ONCE YOU KNOW WHERE YOU ARE, THEN YOU  
11 GET INTO WHERE YOU WANT TO GO. AND THIS IS WHERE  
12 YOU COME UP WITH A VISION OF WHAT GREAT LOOKS LIKE.  
13 AND THERE'S DIFFERENT WAYS OF DOING THAT IN  
14 BRAINSTORMING AND BENCHMARKING AND A LOT OF  
15 DIFFERENT THINGS, BUT COME UP WITH A MISSION THAT  
16 DESCRIBES WHERE YOU WANT TO GO.

17 AND THEN THE LAST PART IS SIMPLY FIGURING  
18 OUT THE BEST WAY TO GET THERE. ONCE YOU KNOW WHERE  
19 YOU ARE AND YOU KNOW WHERE YOU WANT TO GO, THAT'S  
20 WHERE THE STRATEGY PART OF STRATEGIC PLANNING COMES  
21 IN. AND SO I'LL BE GOING THROUGH THESE THREE THINGS  
22 TODAY WITH REGARDS TO CIRM'S STRATEGIC PLAN.

23 THE FIRST THING WE'LL START WITH, WE'LL  
24 START WITH THIS CONCEPT OF WHERE ARE WE. A REALLY  
25 IMPORTANT ASPECT TO UNDERSTAND FOR CIRM IS ITS

BARRISTERS' REPORTING SERVICE

1 FINANCIAL LIFE AND ITS FUNDING RUNWAY. SO THE  
2 AMOUNT OF AWARDS THAT CIRM HAS TO GIVE OVER ITS  
3 ENTIRE LIFE WAS ABOUT 2.75 BILLION. WE HAVE AWARDED  
4 ABOUT 2 BILLION OF THAT ALREADY. WE HAVE 775  
5 MILLION THAT'S NOT COMMITTED. WE HAVE A PLAN THAT  
6 WILL CALL FOR ABOUT 190 TO \$200 MILLION IN NEW  
7 AWARDS EVERY SINGLE YEAR FOR THE NEXT FIVE YEARS.

8 AS PART OF THAT, WE ESTIMATE THAT  
9 SOMETIMES WHEN WE ISSUE AN AWARD, THE PROJECT  
10 DOESN'T WORK OUT, AND WE GET SOME OF THAT MONEY  
11 BACK. AND THAT HAPPENS AT A RATE OF ABOUT 10 TO 15  
12 PERCENT OF EVERY DOLLAR THAT WE AWARD COMES BACK TO  
13 CIRM IN AN AWARD REDUCTION OR MODIFICATION. SO,  
14 THEREFORE, OUR NET SPENDING WOULD BE ABOUT 170  
15 MILLION. AND SO THAT'S HOW YOU GET TO \$775 MILLION  
16 IN UNCOMMITTED FUNDS THAT WILL LAST FIVE YEARS WHEN  
17 ALLOCATED AT THE RATE OF 190 TO 200 MILLION A YEAR.  
18 SO FIVE YEARS IS OUR REALISTIC TIMELINE. REALISTIC,  
19 FOUR AND A HALF YEARS IS OUR REALISTIC AWARD TIME  
20 HORIZON, AND SO THIS PLAN TAKES A LOOK AT HOW CIRM  
21 CAN DO THE BEST IT POSSIBLY CAN AND ACHIEVE THE MOST  
22 IT CAN ACHIEVE IN THAT TIME PERIOD.

23 TODAY WE HAVE SPENT OR AWARDED \$1.3  
24 BILLION ON DISEASE-SPECIFIC RESEARCH. THIS ACROSS  
25 ALL KINDS OF FUNDING, FROM THE EARLIER STAGE

BARRISTERS' REPORTING SERVICE

1 RESEARCH, TRANSLATIONAL RESEARCH TO CLINICAL STAGE  
2 RESEARCH. THAT HAS GIVEN US NOW 15 TRIALS, 15  
3 CLINICAL TRIALS, AND YOU CAN SEE THE CLINICAL TRIALS  
4 LISTED. AND YOU CAN ALSO SEE THE MAKEUP OF OUR  
5 DISEASE-SPECIFIC FUNDING. SO NEURO IS BY FAR THE  
6 LARGEST FOLLOWED BY CANCER AND CARDIOVASCULAR, AND  
7 YOU CAN SEE THE REMAINING AREAS.

8 WE HAVE BEEN -- TO DATE WE HAVE BEEN  
9 OVERWHELMINGLY FUNDING ACADEMIC VERSUS INDUSTRY TO  
10 THE TUNE OF 91 PERCENT TO 9 PERCENT. I'LL SAY IF  
11 YOU LOOK AT THIS WITHOUT ANY CONTEXT, THAT MIGHT  
12 SEEM A LITTLE OVERWHELMING. IT'S NOT QUITE -- IT'S  
13 NOT QUITE THAT OVERWHELMING GIVEN THAT A LOT OF OUR  
14 PROGRAMS THAT WE'VE FUNDED, PARTICULARLY EARLY ON,  
15 MAJOR FACILITIES AND THE LIKE, ONLY HAD AN  
16 OPPORTUNITY TO GO TO ACADEMIA. WITH THAT SAID,  
17 ABOUT 20 PERCENT OF OUR CLINICAL PROGRAMS RIGHT NOW  
18 ARE THROUGH INDUSTRY, 80 PERCENT ARE STILL IN  
19 ACADEMIA. THE REASON THIS IS IMPORTANT IS BECAUSE  
20 AS CIRM MOVES FURTHER AND FURTHER ALONG IN  
21 DEVELOPING THESE STEM CELL THERAPIES, IT WILL  
22 ULTIMATELY BE INDUSTRY THAT WE WILL NEED TO BE  
23 PARTNERED WITH TO BE ABLE TO DELIVER THEM TO  
24 PATIENTS. SO ACADEMIA IS IN THE EARLY  
25 TRANSLATIONAL, EVEN EARLY CLINICAL STAGES; BUT

BARRISTERS' REPORTING SERVICE

1 COMPANIES COMMERCIALIZE THINGS, AND THAT ENABLED US  
2 TO GO FROM TREATING INDIVIDUALS TO ENTIRE  
3 POPULATIONS OF PATIENTS. AND IT'S BEEN VERY CLEAR  
4 UP UNTIL NOW THAT THERE'S BEEN AN INDUSTRY BIAS  
5 AGAINST GETTING INVOLVED IN STEM CELL THERAPY.

6 SO MOVING ON TO WHERE WE ARE TODAY, SO  
7 WE'VE SPENT A TOTAL OF \$2 BILLION, AS I SAID, AND  
8 WE'VE SPENT THEM ON SORT OF FIVE PILLARS, OR FIVE  
9 MAJOR INITIATIVES. SO WE HAVE INFRASTRUCTURE  
10 PROGRAMS LIKE THE ALPHA CLINICS, THE GENOMICS  
11 CENTER, THE IPS CELL BANK. WE HAVE EDUCATIONAL  
12 PROGRAMS, SPENT \$370 MILLION ON EDUCATIONAL  
13 ACTIVITIES, AND THEN WE HAVE OUR DISCOVERY,  
14 TRANSLATIONAL, AND CLINICAL PIECES THAT YOU CAN SEE  
15 UP THERE. THE POINT OF THIS, AND THIS IS A REALLY,  
16 REALLY IMPORTANT POINT AND A MAJOR SHIFT THAT'S  
17 GOING TO BE GOING ON AT CIRM, IS WE HAVE CREATED  
18 WITH THESE \$2 BILLION VERY BEAUTIFUL PIECES, BUT  
19 THEY EXISTED AS PIECES, NOT AS AN INTEGRATED  
20 MACHINE. AND SO THAT'S ONE OF THE THINGS THAT WE'RE  
21 GOING TO BE CHANGING.

22 SO YOU CAN JUST TAKE A LOOK BACK THROUGH  
23 OUR HISTORY. CIRM HAS EXISTED AS AN  
24 INITIATIVE-BASED AGENCY. AND WHAT I MEAN BY THAT IS  
25 THAT EARLIER ON IN CIRM'S LIFE SPAN, WHEN CIRM



BARRISTERS' REPORTING SERVICE

1 STARTED AND IT WAS STARTING TO GET GOING, THERE  
2 WASN'T TREMENDOUS DEMAND FOR DISCOVERY,  
3 TRANSLATIONAL, AND CLINICAL STAGE RESEARCH.  
4 ACTUALLY THERE WASN'T THAT MUCH DEMAND FOR ANY STEM  
5 CELL RESEARCH. THE FIELD WAS STILL VERY YOUNG. AND  
6 SO WHAT THE AGENCY WOULD DO, IN ORDER TO BE AS  
7 RESPONSIVE AS IT POSSIBLY COULD, WOULD BE ONCE THERE  
8 WAS CRITICAL MASS AROUND A PARTICULAR AREA, IT WOULD  
9 OFFER AN INITIATIVE. AN INITIATIVE WOULD  
10 ESSENTIALLY POP UP, AND THEN YOU COULD APPLY FOR  
11 THAT INITIATIVE. THE PROBLEM WITH THAT, THOUGH, IS  
12 YOU WOULDN'T KNOW WHEN THAT INITIATIVE WOULD POP;  
13 BACK UP AGAIN, IF EVER. AND SO WE ENDED UP WITH  
14 THIS INITIATIVE-BASED SYSTEM.

15 NOW, THE GREAT NEWS IS THE WORLD HAS  
16 CHANGED BETWEEN 2004 AND 2015, AND FOR STEM CELLS  
17 IT'S CHANGED IN A VERY GREAT WAY BECAUSE WE NOW HAVE  
18 DEMAND TO HAVE THESE PROGRAMS RUN, NOT AS  
19 INITIATIVES, BUT AS A MACHINE, AS A PROCESS THAT  
20 RUNS OVER AND OVER AND OVER AGAIN. AND THAT IS THIS  
21 BIG SHIFT THAT CIRM IS IN THE PROCESS OF PIVOTING  
22 TO. WE HAVE GONE FROM AN INITIATIVE-BASED APPROACH  
23 TO A SYSTEMS-BASED APPROACH WHERE EVERY YEAR  
24 MULTIPLE TIMES A YEAR ALL OF THESE PROGRAMS WILL BE  
25 OFFERED OVER AND OVER AND OVER AGAIN, AND YOU WILL

BARRISTERS' REPORTING SERVICE

1 KNOW WHEN THEY'RE AVAILABLE. THEY WILL BE LINKED UP  
2 IN A WAY THAT MAKES SENSE SO THAT WHEN YOU'RE DONE  
3 WITH ONE STAGE OF RESEARCH, THE NEXT STAGE OF  
4 RESEARCH IS THERE WAITING TO TAKE YOU FORWARD. AND  
5 SO YOU CAN SEE DISCOVERY OFFERED TWICE A YEAR,  
6 TRANSLATIONAL TWICE A YEAR, CLINICAL 12 TIMES A  
7 YEAR. ALL OF THESE PIECES ARE WORKING TOGETHER. SO  
8 WE'VE TAKEN AN INITIATIVE-BASED AGENCY THAT WAS LESS  
9 PREDICTABLE, BUT HIGHLY RESPONSIVE, AND WE'RE NOW  
10 TURNING IT INTO A SYSTEMS-BASED AGENCY. AND THE  
11 THING THAT'S ENABLED US TO MAKE THIS SWITCH TO A  
12 SYSTEMS-BASED AGENCY IS THE DEMAND THAT WE NOW HAVE  
13 FOR THESE KINDS OF TECHNOLOGIES.

14 SO THE FIRST PART OF CIRM WAS VERY  
15 SUCCESSFUL CREATING THE DEMAND. NOW OUR JOB AT CIRM  
16 IS HOW DO WE TAKE THIS DEMAND AND ASSEMBLE THESE  
17 PARTS INTO A MACHINE WHERE EVERY SINGLE THING WE  
18 HAVE, EVERY SINGLE INITIATIVE WE HAVE AT CIRM IS NOW  
19 ASSEMBLED INTO THIS GIANT ENGINE THAT WILL  
20 ACCELERATE THINGS FROM THE EARLIEST STAGES OF  
21 RESEARCH ALL THE WAY THROUGH GETTING THESE THERAPIES  
22 TO THE PATIENTS THAT DESPERATELY NEED THEM AS  
23 QUICKLY AS POSSIBLE AND IN A WAY THAT EXISTS NOWHERE  
24 ELSE IN THE WORLD.

25 SO THIS IS WHAT WE'RE DOING SORT OF IN A

BARRISTERS' REPORTING SERVICE

1 BIG PICTURE. WE ARE CREATING A GIANT, COORDINATED,  
2 INTEGRATED STEM CELL MACHINE AT CIRM. AND I THINK  
3 THIS IS A VERY, VERY EXCITING OPPORTUNITY THAT WE  
4 HAVE TO DO THIS. WE'VE SEEN THIS ALREADY WITH THE  
5 CLINICAL PROGRAM WHICH LAUNCHED IN JANUARY WITH THE  
6 DISCOVERY AND TRANSLATIONAL PROGRAMS. ALL OF THOSE  
7 PIECES LINE UP AND CONNECT AND LINK TO ONE ANOTHER,  
8 NOT AS SEPARATE PARTS, BUT AS AN INTEGRATED MACHINE.

9 OTHER THINGS THAT WE'VE LEARNED HERE,  
10 MOVING ALONG. WE HAVE VARIOUS STAKEHOLDER MEETINGS.  
11 AS I SAID, WE HAD ONE IN THE VERY ROOM THAT I'M IN  
12 TODAY, AND ONE OF THE THINGS THAT I HEARD IN THIS  
13 SPECIFIC ROOM, I THOUGHT IT WAS VERY INSIGHTFUL. I  
14 WENT UP TO KEVIN AFTER, I SAID, "WE'VE GOT TO PUT  
15 THAT IN THE PLAN." AND IT WAS SIMPLY A QUESTION  
16 THAT WAS ASKED FROM ONE OF THE PATIENTS HERE, AND  
17 THAT QUESTION WAS THIS ALL SOUNDS GREAT, BUT WHAT  
18 CAN WE DO? WE'RE HERE AND WE WANT TO HELP. WHAT  
19 CAN WE DO? WE THOUGHT ABOUT THAT, AND THAT'S A  
20 REALLY IMPORTANT PART. SO IT'S VERY CLEAR THAT OUR  
21 PATIENTS AND OUR PATIENT ADVOCATES DON'T WANT TO BE  
22 SPECTATORS IN THIS. THEY WANT TO BE ACTIVE  
23 PARTICIPANTS, AND WE'VE GOT TO DO THAT, AND WE HAVE  
24 A PLAN FOR THAT.

25 WE ALSO TALKED TO OBVIOUSLY INVESTIGATORS

BARRISTERS' REPORTING SERVICE

1 FROM VARIOUS INSTITUTIONS, ALL THE INSTITUTIONS.  
2 AND ONE OF THE THINGS THAT WE FOUND WAS THAT THEY  
3 DON'T LIKE DOING BORING TRANSLATIONAL RESEARCH.  
4 THEY LIKE DOING THE FUN AND EXCITING TRANSLATIONAL  
5 RESEARCH. SO THINGS LIKE DOING MECHANISM OF ACTION  
6 STUDIES AND ACTUALLY SHOWING THAT THEIR CELL  
7 THERAPIES MAKE A DIFFERENCE. WE DIDN'T FIND A  
8 SINGLE INVESTIGATOR THAT REALLY WANTED TO DO A  
9 STABILITY STUDY OR A PRECLINICAL TOX STUDY WHOSE  
10 ONLY PURPOSE WAS TO SATISFY THE FOOD AND DRUG  
11 ADMINISTRATION. AND SO WE NEED TO WORK ON WAYS OF  
12 HELPING THEM OUT THERE.

13 EVERY SINGLE ACADEMIC INSTITUTION THAT WE  
14 TALKED TO, WITHOUT EXCEPTION, REQUESTED HELP IN  
15 LINKING RESEARCHERS TOGETHER AT VARIOUS STAGES. SO  
16 A DISCOVERY STAGE RESEARCHER THAT HAS AN INTEREST IN  
17 TECHNOLOGY THAT WANTS TO MOVE IT INTO TRANSLATION  
18 WANTS HELP IDENTIFYING GOOD TRANSLATIONAL  
19 RESEARCHERS, TRANSLATIONAL TO CLINIC, AND ALL OF  
20 THESE TO INDUSTRY. AND SO WE NEED TO WORK ON THAT.

21 AND THEN LASTLY, CIRM NEEDS TO BE A BIGGER  
22 DEAL TO PEOPLE OUTSIDE OF THE OTHERWISE CIRM  
23 COMMUNITY. CIRM IS STILL UNDERAPPRECIATED AND  
24 UNDERREPRESENTED IN THE GENERAL FIELD OF  
25 REGENERATIVE MEDICINE, AND THAT'S SOMETHING WE NEED

BARRISTERS' REPORTING SERVICE

1 TO FIX. WE NEED TO DRAMATICALLY INCREASE AWARENESS  
2 FOR THIS AGENCY AND WHAT THIS AGENCY IS GOING TO BE  
3 DOING.

4 WE DID SURVEYS. WE DID SURVEYS OF THE  
5 BOARD, AND WE DID SURVEYS OF THE GENERAL PUBLIC.  
6 AND THERE WERE SOME INTERESTING FINDINGS. WE HAD A  
7 TOTAL OF 217 RESPONSES FROM THE GENERAL PUBLIC, AND  
8 THERE WERE SOME INTERESTING FINDINGS. FIRST IS RISK  
9 TOLERANCE AMONG ALL STAKEHOLDER GROUPS IS HIGH. SO  
10 64 PERCENT RESPONDED WITH A FOUR OR FIVE WITH A FIVE  
11 BEING THE MOST -- THE LEAST RISK AVERSE.

12 ONCE OF THE QUESTIONS WE ASKED WAS WHAT IS  
13 SORT OF THE SINGLE MOST IMPORTANT THING THAT CIRM  
14 COULD DO AS A METRIC OF SUCCESS. AND THIS ONE WAS  
15 ALSO, I THINK, VERY INSIGHTFUL. THAT IS,  
16 DEMONSTRATING PROOF OF CONCEPT IN HUMANS, 70 PERCENT  
17 OF RESPONDENTS SAID THAT WOULD BE THE SINGLE MOST  
18 IMPORTANT THING CIRM CAN DO. IT WAS VERY  
19 INSIGHTFUL, AND WE ACTUALLY NEED TO LISTEN TO THIS  
20 AND FIGURE OUT HOW WE CAN MAKE THE AGENCY MORE  
21 RESPONSIVE TO THAT.

22 SIXTY-TWO PERCENT OF RESPONDENTS SAID CIRM  
23 SHOULD ONLY FUND PROJECTS WHERE OUR INVOLVEMENT IN  
24 THEM IS AN ACCELERATING ACTIVITY. I ACTUALLY AM  
25 VERY GLAD TO HEAR THAT THIS WAS AN OVERWHELMING

BARRISTERS' REPORTING SERVICE

1 RESPONSE BECAUSE CIRM SHOULD BE AN ACCELERATING  
2 AGENCY. OUR MISSION IS TO ACCELERATE STEM CELL  
3 THERAPIES TO PATIENTS WITH UNMET MEDICAL NEEDS. SO  
4 IF OUR FUNDING ISN'T ACCELERATING SOMETHING, WE'VE  
5 KIND OF LOST OUR WAY THERE.

6 AND THEN LASTLY, AND THIS ONE REALLY  
7 JUMPED OFF THE PAGE, 70 PERCENT OF RESPONDENTS  
8 IDENTIFIED THE FOOD AND DRUG ADMINISTRATION AS THE  
9 SINGLE BIGGEST IMPEDIMENT TO DEVELOPING A STEM CELL  
10 THERAPY TODAY. AND SO THAT'S A MESSAGE THAT WE ALSO  
11 HEARD FROM PEOPLE THAT DIDN'T PARTICIPATE IN THE  
12 SURVEY AS WELL, AND SO WE NEED TO LOOK AT HOW WE CAN  
13 HELP THAT.

14 SO SORT OF IN SUMMARY ON THE WHERE WE ARE  
15 TODAY PIECE OF THIS, HISTORICALLY CIRM EXISTED AS AN  
16 INITIATIVE-BASED AGENCY. WE ARE BECOMING A  
17 SYSTEM-BASED AGENCY. IT WILL TAKE A LITTLE WHILE TO  
18 ASSEMBLE AND FULLY START THAT ENGINE, BUT I THINK  
19 ONCE THAT ENGINE GETS STARTED, IT'S GOING TO PAY A  
20 VERY BIG DIVIDEND.

21 SECONDLY, WITH VERY FEW EXCEPTIONS, AND  
22 THERE ARE SOME, MOST OF OUR PRIORITIES ARE ALIGNED  
23 AMONGST OUR STAKEHOLDERS, WHICH WAS NICE TO SEE.

24 I THINK THE TRANSLATIONAL STAGE OF  
25 DEVELOPMENT REPRESENTS ENORMOUS OPPORTUNITY FOR US

BARRISTERS' REPORTING SERVICE

1 TO SPEED THINGS UP. SO THE AVERAGE TIME IN  
2 TRANSLATIONAL RESEARCH FOR A SMALL MOLECULE THAT  
3 GETS APPROVED IS 3.2 YEARS. THE AVERAGE TIME A CELL  
4 THERAPY SPENDS -- A STEM CELL THERAPY SPENDS IN  
5 TRANSLATION IS EIGHT YEARS FOR THE SAME ACTIVITIES.  
6 WE HAVE GOT TO GET THAT EIGHT-YEAR PERIOD DOWN TO  
7 THREE YEARS SO WE CAN START GETTING THESE THINGS  
8 EVALUATED MORE QUICKLY IN PATIENTS.

9 IT IS CLEAR THAT STEM CELL THERAPIES  
10 CONTINUE TO BE A DISADVANTAGED CLASS OVER OTHER  
11 KINDS OF MEDICINES. THAT'S BOTH FROM A REGULATORY  
12 STANDPOINT AND FROM A COMMERCIAL STANDPOINT.

13 AND THEN LASTLY, THE REGULATORY  
14 ENVIRONMENT IS CLEARLY SEEN AS AN IMPEDIMENT TO  
15 DEVELOPING THESE THERAPIES.

16 SO LET'S GET INTO -- NOW THAT WE KNOW  
17 WHERE WE ARE, LET'S GET INTO WHERE WE'RE GOING AND  
18 HOW WE'RE GOING TO GET THERE AS PART OF THE PLAN.  
19 SO THERE'S A STATUS BAR SO YOU GUYS WILL KNOW WHERE  
20 WE ARE AND, MORE IMPORTANTLY, HOW CLOSE WE ARE TO  
21 THE END. YOU WILL BE ABLE TO SEE THIS STATUS BAR  
22 MOVE ACROSS THE SCREEN ON THE BOTTOM.

23 SO THE FIRST THING WE HAD TO DO WAS WE HAD  
24 TO EVALUATE OUR MISSION AND CONFIRM OUR MISSION. SO  
25 96 PERCENT OF RESPONDENTS, OF STAKEHOLDERS AGREED

BARRISTERS' REPORTING SERVICE

1 THAT OUR MISSION WAS PROPERLY STATED AS TO  
2 ACCELERATE STEM CELL TREATMENTS TO PATIENTS WITH  
3 UNMET MEDICAL NEEDS. FURTHERMORE, 100 PERCENT OF  
4 OUR BOARD RESPONDING TO THIS QUESTION ALSO ANSWERED  
5 THAT THIS WAS OUR MISSION. SO HAVING A GOOD,  
6 CONCISE, CRISP MISSION IS A GREAT PLACE FOR US TO  
7 START BECAUSE WE WILL ALWAYS ORIENT TOWARDS THAT.  
8 ALMOST EVERYTHING ELSE IS UP FOR DEBATE OR  
9 DISCUSSION ABOUT HOW WE'RE GOING TO GET THERE, BUT  
10 OUR MISSION CAN'T BE. THIS HAS TO BE OUR GUIDING  
11 STAR, THE THING THAT DOESN'T MOVE, THAT WE NEVER  
12 EVER, EVER STOP MOVING TOWARDS. SO THE FACT THAT WE  
13 HAVE THIS KIND OF CONSENSUS, AND I WOULD JUST SAY AT  
14 96 PERCENT, THIS ISN'T CONSENSUS, THIS IS  
15 CONVICTION. THIS IS WHAT CONVICTION LOOKS LIKE  
16 AROUND THIS MISSION. NOW WE KNOW EXACTLY WHERE WE  
17 WANT TO GO.

18 SO HOW ARE WE GOING TO DO THAT? WHAT ARE  
19 WE GOING TO DO? WELL, IT CENTERS AROUND CREATING  
20 THIS GIANT ENGINE THAT I TALKED ABOUT. BUT CLEARLY  
21 IF WE LISTEN TO OUR STAKEHOLDERS, THERE'S MORE TO  
22 THAT THAN JUST BUILDING THIS ENGINE. SO THE IDEA  
23 HERE IS WE'RE GOING TO EXPONENTIALLY -- AND THESE  
24 WORDS ARE USED INTENTIONALLY, MEANING WE'RE NOT  
25 GOING TO LINEARLY CLIMB OUT -- WE ARE GOING TO



BARRISTERS' REPORTING SERVICE

1 EXPONENTIALLY CLIMB OUT, ADVANCE CIRM'S MISSION BY  
2 LEADING A COORDINATED CAMPAIGN THAT HOLISTICALLY  
3 ATTACKS THE OBSTACLES, MEANINGFULLY AFFECTING THE  
4 SPEED, PROBABILITY, AND SUSTAINABILITY OF STEM CELL  
5 TREATMENTS TO HELP PATIENTS IN NEED. SO IT OVERLAYS  
6 NICELY WITH OUR MISSION.

7 OBVIOUSLY THERE'S A LOT OF OUR MISSION IN  
8 THERE. BUT THERE ARE SOME KEY THINGS IN HERE. ONE  
9 IS LEAD. I'VE GONE OUT AND I'VE TALKED WITH A LOT  
10 OF PEOPLE, A LOT OF OTHER REGENERATIVE MEDICINE  
11 INSTITUTES IN OTHER STATES AND OTHER COUNTRIES, AND  
12 THEY ALL LOOK TO US. AND THEY SAY CIRM SHOULD BE  
13 LEADING MORE. WE ARE BY FAR THE LARGEST  
14 REGENERATIVE MEDICINE INSTITUTE IN THE WORLD. IT'S  
15 TIME THAT WE START LEADING LIKE WE WERE; AND BY THE  
16 WAY, EVERYONE WANTS US TO. SO WE'RE GOING TO GET  
17 INTO THE LEADERSHIP BUSINESS A LITTLE BIT MORE.

18 THIS COORDINATED CAMPAIGN, THAT MEANS  
19 MAKING ALL OF OUR PIECES NOT JUST FIT TOGETHER, BUT  
20 WORK TOGETHER AND PULL IN THE SAME DIRECTION.  
21 HOLISTICALLY ATTACKS ALL THE OBSTACLES. EVERYTHING  
22 THAT'S IN OUR WAY, THAT IS IN THE WAY OF A STEM CELL  
23 THERAPY REACHING A PATIENT, IS GOING TO BE FAIR GAME  
24 FOR CIRM TO GO AFTER. AND THEN OBVIOUSLY THE WHOLE  
25 THING IS ABOUT GETTING THESE TREATMENTS TO HELP

BARRISTERS' REPORTING SERVICE

1 PATIENTS IN NEED.

2 SO I'M GOING TO USE ANOTHER ANALOGY HERE.

3 I OBVIOUSLY USE A LOT OF ANALOGIES, BUT I LIKE TO DO  
4 THEM BECAUSE I THINK THEY CAN MAKE SORT OF SOMETIMES  
5 WHAT WOULD SEEM LIKE COMPLEX THOUGHTS MORE CLEAR AND  
6 MORE EASILY UNDERSTANDABLE. AND SO HERE WE HAVE THE  
7 WAY CIRM HAS EXISTED. AND THAT IS WE'RE GOING TO  
8 USE THE ANALOGY OF CIRM IS TRYING TO PUSH A GIANT  
9 BOULDER OVER A HILL, AND THAT GIANT BOULDER  
10 REPRESENTS STEM CELL TREATMENTS. AND ON THE OTHER  
11 SIDE IS THE VALLEY OF HAPPINESS IS OUR PATIENTS WHO  
12 DESPERATELY NEED THIS BOULDER TO BE EFFECTIVELY  
13 MOVED OVER THIS HILL AND DELIVERED TO THEM. I DON'T  
14 KNOW WHY WE WOULD WANT A BOULDER DELIVERED TO YOU,  
15 BUT JUST GO WITH THE ANALOGY FOR A SECOND.

16 AND WHAT CIRM HAS BEEN DOING IN THE PAST  
17 IS A VERY HONORABLE JOB OF PUSHING THIS BOULDER.  
18 AND THERE'S A LOT RIGHT ABOUT PUSHING THIS BOULDER  
19 OVER THE HILL. SO THE FIRST THING WE'RE GOING TO DO  
20 IS, FIRST, WE HAVE THESE STRATEGIC THEMES WITH  
21 SPECIFIC ACTIONS. THE FIRST THING WE'RE GOING TO DO  
22 IS WE'RE GOING TO PUSH HARDER AND BETTER. WE'RE  
23 GOING TO TAKE ALL OF OUR PROGRAMS AND WE'RE GOING TO  
24 LINE THEM UP, AND WE ARE GOING TO COORDINATE THEM  
25 ALL, AND WE ARE GOING TO GET GOOD AT THEM. WE'RE

BARRISTERS' REPORTING SERVICE

1 GOING TO GET GREAT AT THEM. THAT IS, WE'RE GOING TO  
2 FULLY OPERATIONALIZE CIRM 2.0, CLINICAL,  
3 TRANSLATIONAL, AND DISCOVERY, ALL WORKING TOGETHER  
4 IN A COORDINATED FASHION. WE ARE GOING TO OPEN  
5 TRANSLATIONAL AND ACCELERATING CENTERS THAT WORK  
6 TOGETHER, THAT TAKE THAT EIGHT-YEAR DEVELOPMENT TIME  
7 AND SQUEEZE IT DOWN AND AT LEAST CUT IT IN HALF, AND  
8 WE'RE GOING TO FOCUS OUR PROGRAMS. AND SO WE'RE  
9 GOING TO BE LOOKING AT THINGS WHERE CIRM SHOULD BE  
10 FUNDING, THE SWEET SPOT FOR CIRM.

11 DEMONSTRATING PROOF OF CONCEPT IN HUMAN  
12 CLINICAL TRIALS, MEANING WE HAVE TO LOOK AT THE  
13 KINDS OF ENDPOINTS WE'RE HAVING IN OUR HUMAN  
14 CLINICAL TRIALS, AND WE NEED TO LOOK AT THE TYPES OF  
15 HUMAN CLINICAL TRIALS THAT WE ARE PARTNERING WITH.

16 SO THE FIRST PART OF THE STRATEGY IS PUSH,  
17 BUT NOT PUSH AS AN INDIVIDUAL OR AS AN INITIATIVE,  
18 BUT PUSH AS A GIANT, COORDINATED MACHINE THAT CAN  
19 REALLY GET THAT BOULDER MOVING.

20 SECOND PART OF OUR STRATEGY IS IF YOU  
21 LOOK, THERE IS NOTHING ON THE OTHER SIDE OF THAT  
22 HILL HELPING US HERE. AND THAT JUST IS FLAT OUT  
23 THERE IS NOT ENOUGH DOWNSTREAM DEMAND THAT'S  
24 CURRENTLY ENGAGED IN THE WORK THAT WE'RE TRYING TO  
25 DO. IF I HAD TODAY A SMALL MOLECULE AND A STEM CELL

BARRISTERS' REPORTING SERVICE

1 THERAPY THAT HAD EXACTLY THE SAME AMOUNT OF DATA,  
2 THAT WERE AT EXACTLY THE SAME STAGE OF DEVELOPMENT,  
3 INDUSTRY WOULD PARTNER THAT SMALL MOLECULE AT 50 TO  
4 1 OVER THE STEM CELL THERAPY. WE NEED THEM  
5 INVOLVED, BUT WE ALSO NEED OTHER PIECES INVOLVED.

6 IT WAS REALLY TELLING TO HEAR THAT A  
7 RESEARCHER THAT ENGAGED IN BASIC OR DISCOVERY  
8 RESEARCH DIDN'T KNOW HOW TO GET AHOLD OF AND IN  
9 CONTACT WITH A TRANSLATIONAL RESEARCHER THAT COULD  
10 HELP TAKE THAT PROGRAM FORWARD. SO WE'RE GOING TO  
11 BE LAUNCHING SOMETHING CALLED A CIRM EXCHANGE.  
12 INTERNALLY WE KIND OF JUMP AROUND. IT'S LIKE THE  
13 MATCH.COM. IT'S HOW DO WE HAVE PEOPLE DOWNSTREAM  
14 THAT ARE INTERESTED IN THIS KIND OF WORK PULL  
15 FORWARD THE GREAT WORK FROM EARLIER STAGE  
16 RESEARCHERS THAT HAVE BEEN FUNDED BY CIRM?

17 WE'RE ALSO GOING TO BE LOOKING -- SO CIRM  
18 HAS LIKE 300 DIFFERENT PROGRAMS. THE VAST MAJORITY  
19 OF THOSE HAVE NO PARTNERSHIP. SO WE'VE HAD A TEAM  
20 AT CIRM THAT'S GONE AROUND TALKING TO TECH TRANSFER  
21 OFFICES AT ALL OF THE DIFFERENT MAJOR UNIVERSITIES,  
22 AND THEY ARE DESPERATE FOR HELP. HOW CAN YOU HELP  
23 GET OUR STEM CELL PROGRAMS PARTNERED UP WITH  
24 INDUSTRY? WELL, ONE OF THE THINGS WE CAN DO IS WE  
25 CAN TAKE A MORE AFFIRMATIVE ROLE IN THIS AND SAY WE

BARRISTERS' REPORTING SERVICE

1 HAVE A HUGE NUMBER OF THESE PROGRAMS. CAN WE  
2 AGGREGATE LIKE PROGRAMS TOGETHER? AND I DON'T  
3 EXACTLY KNOW WHAT LIKE WOULD BE. IT WOULD BE SORT  
4 OF DEPENDENT ON THE PERSON INTERESTED IN DOING IT.  
5 BUT LET'S SAY ALL THE CARDIAC PROGRAMS OR ALL THE  
6 OCULAR PROGRAMS OR ALL THE ORPHAN PROGRAMS AND CAN  
7 WE BUNDLE ALL OF THESE THINGS UP THAT HAVE  
8 SYNERGISTIC OPPORTUNITIES INTO A PACKAGE AND GET  
9 THAT PACKAGE LAUNCHED AS A COMPANY IN THE STATE OF  
10 CALIFORNIA THAT WILL ALSO BE PULLING THESE  
11 TECHNOLOGIES FORWARD AND CREATING JOBS AND  
12 COMMERCIALIZING LIFE-SAVING THERAPY.

13 SO BOTTOM LINE IS WE ARE NOT GOING TO BE  
14 ALONE IN THE PUSHING BUSINESS. WE ARE GOING TO  
15 AFFIRMATIVELY GET OTHER RESOURCES INVOLVED TO HELP  
16 PULL SO WE CAN MOVE THIS BOULDER AS QUICKLY AS WE  
17 CAN FROM LEFT TO RIGHT.

18 AND THE LAST SIDE OF THIS COMES DOWN TO  
19 THAT HILL IS JUST TOO DAMN BIG RIGHT NOW. AND A LOT  
20 OF THAT HILL CENTERS AROUND THE REGULATION THAT IT  
21 TAKES. IT SHOULDN'T TAKE EIGHT YEARS FOR A STEM  
22 CELL THERAPY TO BE ABLE TO GO FROM CONCEPT TO IND,  
23 AND THERE SHOULDN'T BE THE BARRIERS THAT THERE ARE  
24 AGAINST DEVELOPING TREATMENTS FOR ORPHAN CONDITIONS  
25 THAT CURRENTLY EXIST TODAY.

BARRISTERS' REPORTING SERVICE

1 SO WHAT WE'RE GOING TO DO IS WE'RE GOING  
2 TO ORGANIZE AN ARMY OF STAKEHOLDERS, PATIENTS. THE  
3 ACADEMIC COMMUNITY HAS SPOKEN LOUDLY ABOUT THIS.  
4 THE OTHER REGENERATIVE MEDICINE INSTITUTES HAVE  
5 SPOKEN LOUDLY ABOUT THIS. AND WE'RE GOING TO, AND I  
6 MEAN THIS, WE'RE GOING TO WORK WITH THE FDA TO  
7 FIGURE OUT WHATEVER COVER OR WHATEVER HELP THEY NEED  
8 IN ORDER TO COME UP WITH A REGULATORY PARADIGM THAT  
9 IS UNIQUE AND SPECIFIC AND, MOST IMPORTANTLY,  
10 RESPONSIVE TO CELL THERAPY SO WE CAN LEVEL THIS  
11 PLAYING FIELD SO IT'S NOT THIS 50 TO 1 SMALL  
12 MOLECULE VERSUS CELL THERAPY, BUT THAT THESE  
13 THERAPIES ARE GIVEN THE OPPORTUNITY THEY NEED IN  
14 ORDER TO ADVANCE.

15 SO THE LAST PART OF THE STRATEGY IS LEVEL.  
16 LEVEL THIS PLAYING FIELD A LITTLE BIT MORE SO THIS  
17 BOULDER CAN PROGRESS FROM WHERE IT IS TODAY TO THE  
18 PATIENTS THAT NEED IT. AND SO THAT'S WHAT WE MEAN  
19 BY THIS HOLISTIC APPROACH. THAT'S WHAT WE MEAN WHEN  
20 WE SAY WE'RE GOING TO ATTACK EVERY OBSTACLE THAT IS  
21 IN OUR WAY. ANYTHING WE CAN THINK TO DO IN ORDER TO  
22 MAKE PROGRESS WE'RE GOING TO GO AFTER IT AT CIRM,  
23 AND WE'RE GOING TO DO IT WITH A TREMENDOUS AMOUNT OF  
24 URGENCY BECAUSE WE DON'T HAVE A LOT OF TIME LEFT.

25 SO THE STRATEGY IS VERY SIMPLE. WHEN YOU

BARRISTERS' REPORTING SERVICE

1 LOOK AT IT THIS WAY, IT IS PUSH, PULL, AND LEVEL,  
2 AND IT IS ALL FOR PROGRESSING THESE STEM CELL  
3 THERAPIES FORWARD IN A COORDINATED WAY.

4 THE QUESTION YOU MIGHT HAVE IS CAN WE  
5 AFFORD THAT? YES. WE HAVE ABOUT A BILLION DOLLARS  
6 IN ROUND NUMBERS TO DEPLOY. AND I SAY A BILLION  
7 BECAUSE IF YOU DO THE MATH ON HAVING AWARDS WE CAN  
8 MAKE OUT, WE CAN DO ABOUT 890, ALMOST 900 MILLION.  
9 WE ALSO HAVE ALL ADMINISTRATIVE WORK WHICH IS  
10 INVOLVED IN PUSHING THIS BOULDER, ALL THE  
11 ADMINISTRATIVE FUNDS. BUT THE BOTTOM LINE IS WHEN  
12 YOU COST THESE PROGRAMS OUT OVER TIME, THEY'RE  
13 DOABLE. THEY FIT WITH THIS BUDGET. SO IT'S GOING  
14 TO REQUIRE, OBVIOUSLY, A LOT OF EFFORT AND A LOT OF  
15 COORDINATION, BUT THIS IS A PROGRAM THAT FINANCIALLY  
16 WE'RE ABLE TO DO AND WE'RE ABLE TO GET DONE AND SO  
17 WE WILL.

18 THE NEXT THING WE HAVE TO LOOK AT IS WHAT  
19 ARE WE GOING TO GET FOR THAT. SHOULDN'T SAY  
20 FINANCIAL OUTLOOK ON THERE. SO THIS IS THE INTENDED  
21 OUTCOMES FOR THIS EFFORT. WE ARE GOING TO HAVE 50  
22 NEW CLINICAL TRIALS STARTED. SO WE HAVE 15. IN THE  
23 FIRST 11 YEARS WE HAD 15 CLINICAL TRIALS STARTED.  
24 OVER THE NEXT FIVE YEARS, WE'RE GOING TO HAVE 50 NEW  
25 CLINICAL TRIALS THAT GET STARTED THAT COVER AT LEAST

BARRISTERS' REPORTING SERVICE

1 20 UNIQUE DISEASES. WE WILL HAVE INDICATIONS FOR  
2 CHILDREN, AT LEAST FIVE PEDIATRIC, AT LEAST 10 OR 15  
3 INDICATIONS. WE'RE GOING TO INCREASE PROGRESSION OF  
4 THAT. THIS IS A VERY IMPORTANT THING THAT'S UNIQUE  
5 TO CIRM, BUT A PROGRESSION EVENT FOR US IS SOMETHING  
6 FOR MOVING DISCOVERY TO TRANSLATION, OR TRANSLATION  
7 TO CLINICAL, CLINICAL TO COMMERCIAL. THAT WOULD BE  
8 A GREAT PROGRESSION EVENT. THOSE ARE PROGRESSION  
9 EVENTS. WE'RE GOING TO INCREASE PROGRESSION EVENTS  
10 SO THAT ACROSS THE BOARD AT LEAST ONE OUT OF OUR  
11 THREE PROGRAMS MOVES FORWARD. RIGHT NOW THAT NUMBER  
12 SITS AT AROUND 7 PERCENT. SO BY LINKING THESE  
13 THINGS TOGETHER, WE THINK WE'RE GOING TO HAVE A  
14 DRAMATIC UPTAKE IN HOW FAST AND HOW EFFICIENTLY  
15 THESE PROGRAMS MOVE FROM LEFT TO RIGHT.

16 AS I TALKED ABOUT BEFORE, AN EIGHT-YEAR  
17 PRECLINICAL TIME IS WAY TOO LONG. WE'RE GOING TO  
18 CUT IT BY AT LEAST IN HALF SO WE CAN GET TREATMENTS  
19 INTO PATIENTS MORE QUICKLY. WE'RE GOING TO WORK  
20 WITH THE FDA TO COME UP WITH A SYSTEM THAT MAKES  
21 SENSE. LAST WEEK I WAS IN JAPAN. I MET WITH THE  
22 HEAD OF THE CENTER FOR BIOLOGICS IN JAPAN. JUST TO  
23 GIVE YOU AN IDEA OF THIS STUFF IS POSSIBLE, JAPAN  
24 ENACTED THIS LAST YEAR. THEY DIDN'T START THINKING  
25 ABOUT IT LAST YEAR. THEY ENACTED IT LAST YEAR.



BARRISTERS' REPORTING SERVICE

1 IT'S ACTUALLY BEEN UP AND RUNNING FOR ABOUT A FULL  
2 YEAR. LAST WEEK THEY APPROVED THEIR FIRST STEM CELL  
3 THERAPY IN THAT COUNTRY'S HISTORY. SO THIS IS  
4 POSSIBLE. IT WORKS. OTHER COUNTRIES AROUND THE  
5 WORLD ARE DOING IT. UNITED STATES FDA ALSO NEEDS TO  
6 DO IT, AND WE NEED TO EXIST AS AN AGENCY THAT CAN  
7 HELP THEM GET THAT DONE HOWEVER THAT IS.

8 AND THEN LASTLY, WE'VE GOT TO, AS PART OF  
9 THIS PULL, WE'VE GOT TO MAKE SURE THAT OUR  
10 UNPARTNERED PRODUCTS GET PARTNERED. SO WE WANT TO  
11 HAVE AT LEAST A HALF OF EVERYTHING THAT COMES INTO  
12 OUR CLINICAL PROGRAM UNPARTNERED BE PARTNERED BY THE  
13 TIME THAT IT LEAVES CIRM.

14 SO THESE ARE THE SPECIFIC OUTCOMES THAT  
15 WE'RE LOOKING TO DO. I'M NOT GETTING INTO PROGRESS  
16 MILESTONES, WHICH ARE BETWEEN WHERE WE ARE NOW AND  
17 THIS, BECAUSE IT WOULD TAKE TOO LONG AND THERE ARE  
18 TOO MANY OF THEM. THERE ARE PROGRESS MILESTONES,  
19 BUT THESE ARE THE INTENDED OUTCOMES THAT WE'RE  
20 LOOKING TO HAVE.

21 NOW, GETTING CLOSE TO FINISHING,  
22 MERCIFULLY, BUT IT IS IMPORTANT TO KNOW THIS IS NOT  
23 AN EASY-TO-ACHIEVE PLAN. THIS IS REALLY HARD. IF  
24 WE DO THIS, WE WILL HAVE SUCCESSFULLY CHANGED  
25 REGENERATIVE MEDICINE, NOT JUST IN CALIFORNIA, NOT

BARRISTERS' REPORTING SERVICE

1 JUST IN THE UNITED STATES, BUT IN THE WORLD. AND  
2 THAT'S WHAT I WANT. I WANT A PROGRAM THAT IS REALLY  
3 HARD, BUT REALLY IMPACTFUL IF WE'RE SUCCESSFUL. THE  
4 DOWNSIDE OF THAT IS THERE ARE VERY REAL RISKS  
5 ASSOCIATED WITH THIS PLAN. YOU NEED TO KNOW THAT  
6 BECAUSE WE CAN'T BE THE AGENCY THAT OVERHYPES.  
7 WE'RE GOING TO TRY TO DO SOMETHING MONUMENTAL, AND  
8 OUR EYES ARE WIDE OPEN THAT THERE ARE VERY REAL  
9 OBSTACLES THAT STAND BETWEEN US AND SUCCESS. SO  
10 LET'S GO OVER WHAT SOME OF THESE ARE.

11 FIRST, WE MIGHT NOT HAVE A SUFFICIENT  
12 NUMBER OF GOOD PROJECTS, MERITORIOUS, SCIENTIFICALLY  
13 MERITORIOUS PROJECTS IN ORDER FOR US TO REACH OUR  
14 GOALS. WE ARE SETTING UP THIS ENGINE THAT CAN  
15 HANDLE MOVING 50 CLINICAL TRIALS -- INITIATING 50  
16 CLINICAL TRIALS OVER THE NEXT FIVE YEARS, THE 250  
17 NEW DISCOVERY PROGRAMS. WE HAVE AN ENGINE THAT CAN  
18 HANDLE THIS. WHAT WE'RE GOING TO NEED TO MAKE SURE  
19 IS WE HAVE SUFFICIENT NUMBER OF QUALITY PROJECTS TO  
20 GO THROUGH THIS. AND THAT'S A RISK.

21 WE MAY NOT HAVE SUFFICIENT INTEREST FOR  
22 QUALIFIED APPLICANTS FOR SOME OF OUR KEY COMPONENTS.  
23 WE TALKED ABOUT BEING AN ACCELERATING CENTER, WHICH  
24 IS A REALLY HIGH-END CRO SPECIFICALLY DESIGNED FOR  
25 CALIFORNIA STEM CELL PROJECTS AND A TRANSLATING

BARRISTERS' REPORTING SERVICE

1 CENTER NECESSARY TO DO THE TRANSLATING WORK, THE  
2 COMMERCIALIZATION ENTITIES TO PARTNER UP OUR  
3 UNPARTNERED PROGRAMS. THERE MAY NOT BE SUFFICIENT  
4 INTEREST EXTERNALLY. WE HAVE TO BE AWARE OF THAT.  
5 WE HAVE TO TRY TO FIGURE OUT HOW WE CAN GET THAT  
6 INTEREST.

7 THIS IS A REAL CONCERN WE HAVE INTERNALLY  
8 AT CIRM. WE HAVE A LIMITED LIFE SPAN AHEAD OF US AS  
9 AN AGENCY. WE ARE OBVIOUSLY RUNNING OUT OF MONEY.  
10 AT THE END OF THIS PROGRAM, CIRM WILL BE OUT OF  
11 MONEY, AND WE HAVE TO WORRY INTERNALLY ABOUT THE  
12 ABILITY TO ATTRACT AND RETAIN THE OUTSTANDING TEAM  
13 THAT WE CURRENTLY HAVE AT CIRM. AND I CANNOT SAY  
14 ENOUGH GREAT THINGS ABOUT THE GROUP OF PROFESSIONALS  
15 WE HAVE RIGHT NOW INSIDE THE AGENCY ALL PULLING IN  
16 THE SAME DIRECTION AND REALLY JUST DOING A  
17 PHENOMENAL JOB. AND I WORRY ABOUT THEM AND I WORRY  
18 ABOUT HOW WE'RE GOING TO KEEP THAT TEAM TOGETHER  
19 MOVING FORWARD. IT'S A REAL RISK.

20 WE MAY NOT BE ABLE TO ATTRACT SUFFICIENT  
21 INVESTORS TO COME AND HELP LAUNCH SOME OF THESE  
22 THINGS. AND AT THE END OF THE DAY, WE MIGHT GO AND  
23 TRY TO PUSH THE MOUNTAIN, THAT'S THE FDA, AND THAT  
24 MOUNTAIN MAY NOT MOVE. NOW, WE'RE GOING TO WORK  
25 REALLY HARD ON THAT, BUT IT MAY NOT HAPPEN. AND SO

BARRISTERS' REPORTING SERVICE

1 WE JUST NEED TO BE AWARE OF THESE RISKS AND WORK  
2 REALLY HARD TO MITIGATE AND WORK AROUND THEM.

3 SO I WILL STOP NOW AND TAKE QUESTIONS, BUT  
4 LEAVE YOU WITH THIS CONCEPT THAT WE NOW HAVE THIS  
5 INTEGRATED APPROACH AT CIRM. WE'RE BECOMING NOT  
6 JUST CIRM 2.0, BUT WE'RE REALLY TRYING TO PUSH CIRM  
7 2.0 BEYOND THAT TO WHERE WE ATTACK ALL OF THE  
8 OBSTACLES THAT STAND IN OUR WAY, AND WE'RE GOING TO  
9 PUSH THAT BOULDER UP THAT HILL, WE ARE GOING TO  
10 ENGAGE INDUSTRY AND OTHER KEY STAKEHOLDERS THAT ARE  
11 DOWNSTREAM TO GET INTO THE GAME AND START PULLING,  
12 AND WE'RE GOING WORK WITH THE FDA TO LEVEL THE  
13 PLAYING FIELD ON THIS. SO PUSH, PULL, LEVEL IS A  
14 SIMPLISTIC WAY OF TALKING ABOUT OUR STRATEGIC PLAN  
15 GOING FORWARD.

16 IF YOU HAVE ANY COMMENTS OR QUESTIONS  
17 ABOUT THIS, DO NOT CALL ME, CALL KEVIN. NO, I'M  
18 JOKING. YOU CAN CALL ME TOO. BUT HERE'S KEVIN'S  
19 CONTACT INFORMATION. AND, J.T., I AM SORRY FOR  
20 RAMBLING ON, AND I TURN IT BACK TO YOU, SIR.

21 CHAIRMAN THOMAS: THANK YOU, DR. MILLS.  
22 AS YOU CAN TELL, EVERYBODY ON THE PHONE, RANDY AND  
23 TEAM AND ALL OF US HAVE PUT AN ENORMOUS AMOUNT OF  
24 WORK INTO DEVELOPING THIS STRATEGIC PLAN GOING  
25 FORWARD. AND I WOULD VERY MUCH LIKE TO CONGRATULATE

BARRISTERS' REPORTING SERVICE

1 ALL MEMBERS OF THE TEAM FOR A TERRIFIC EFFORT AND  
2 WOULD JUST SAY I THINK RESULTED IN A HIGHLY  
3 SUBSTANTIVE AND VERY EXCITING PLAN.

4 ARE THERE COMMENTS BY MEMBERS OF THE BOARD  
5 ON DR. MILLS' PRESENTATION?

6 DR. JUELSGAARD: I HAVE A QUESTION. SO,  
7 RANDY, SLIDE 27, WHICH IS TERMED "FINANCIAL  
8 OUTLOOK," BUT WHICH HAS A LIST OF INTENDED OUTCOMES,  
9 RESEMBLES A FIVE-YEAR LONG-RANGE PLAN IN MY  
10 EXPERIENCE. AND WHAT'S NEEDED, THEN, IS A SERIES OF  
11 GOALS YEAR BY YEAR THAT ARE AIMED AT ACHIEVING THAT  
12 FIVE-YEAR PLAN. AND YOU TALKED ABOUT MILESTONES  
13 BEFORE, SO I ASSUME THE NEXT TIME WE TALK ABOUT THIS  
14 THAT YOU'RE GOING TO HAVE SOME CLOSER-IN GOALS THAT  
15 ARE IN LINE WITH THESE INTENDED OUTCOMES THAT TAKE  
16 US THROUGH HOW WE'RE GOING TO GET THERE ON A  
17 YEAR-BY-YEAR BASIS.

18 DR. MILLS: YEAH. THAT'S CORRECT, STEVE.  
19 THAT WAS A COMMENT THAT I MADE WHEN ON THAT SLIDE IS  
20 I HAD SPECIFIC ACTIONS AND WE HAD INTENDED OUTCOMES,  
21 AND OBVIOUSLY PROGRESS MILESTONES ARE A VERY  
22 IMPORTANT PART OF THE STRATEGIC PLAN AND MAKING SURE  
23 THAT WE STAY ON TRACK TO ACHIEVING THESE GOALS. FOR  
24 BREVITY, OBVIOUSLY WE COULDN'T PUT EVERYTHING INTO  
25 THIS PLAN, BUT THE ACTUAL WRITTEN DOCUMENT WILL

BARRISTERS' REPORTING SERVICE

1 CONTAIN THE SPECIFIC PROGRESS MILESTONES FOR THE  
2 SPECIFIC ACTIONS THAT WILL, IF ACHIEVED, GIVE US A  
3 HIGH LIKELIHOOD OR HIGH CONFIDENCE THAT THE OUTCOMES  
4 THAT I DID LIST IN THIS PLAN WILL BE ACHIEVED.

5 DR. JUELSGAARD: PERFECT. THAT'S GREAT.  
6 THANK YOU.

7 CHAIRMAN THOMAS: OTHER COMMENTS FROM  
8 MEMBERS OF THE BOARD?

9 MR. ROWLETT: I HAVE A QUESTION, CHAIRMAN  
10 THOMAS.

11 CHAIRMAN THOMAS: YES, MR. ROWLETT.

12 MR. ROWLETT: THERE'S A BULLET THAT SAYS  
13 PATIENT ADVOCATES WANT A MORE ACTIVE ROLE, AND I  
14 WON'T READ THE REST OF IT. AND CERTAINLY THAT  
15 RESONATES WITH ME, AND I'M LOOKING FORWARD TO,  
16 RANDY, HAVING YOU ENGAGE THE PATIENT ADVOCATES  
17 CERTAINLY IN A MORE ROBUST WAY.

18 AND ALSO TO COMMENT THAT AS A MEMBER OF  
19 THE GRANTS WORKING GROUP, BEING GIVEN THE  
20 OPPORTUNITY TO ENGAGE IN THE EVALUATION PROVIDED MY  
21 UNDERSTANDING OF ALL THE SCIENCE, I'M NOT A  
22 SCIENTIST, BUT CERTAINLY I'M AN ADVOCATE FOR  
23 PATIENTS AND MAKING SURE THAT WE REPRESENT A  
24 DIVERSITY OF CALIFORNIA AS WE COME UP WITH REMEDIES  
25 FOR DISEASES THAT AFFECT ALL OF OUR CONSTITUENTS.

BARRISTERS' REPORTING SERVICE

1 IN SHORT, THAT'S PART OF THE ROLE OF A PATIENT  
2 ADVOCATE FROM MY PERSPECTIVE. AND SO MORE OF THAT  
3 KIND OF ENGAGEMENT IS INVIGORATING FOR ME. THE  
4 FIRST BULLET THERE MEANS A LOT TO ME.

5 CHAIRMAN THOMAS: THANK YOU, MR. ROWLETT.  
6 OTHER COMMENTS FROM MEMBERS OF THE BOARD?

7 MR. SHEEHY: IF I CAN MAKE A COUPLE. SO I  
8 HAD REALLY TWO QUESTIONS OR COMMENTS, QUESTIONS. SO  
9 ON THIS FDA ISSUE, I ASSUME THERE WILL BE MORE  
10 DETAIL WHEN THIS COMES FORWARD, BUT THIS SEEMS LIKE  
11 THAT TO REALLY DO THAT RIGHT IS PROBABLY GOING TO  
12 INVOLVE EITHER ADDITIONAL PERSONNEL OR ADDITIONAL  
13 FUNDING BECAUSE THIS IS OBVIOUSLY A WASHINGTON-BASED  
14 EFFORT. AND I THINK MOST OF OUR WORK, AT LEAST IN  
15 GOVERNMENT RELATIONS, THAT INVOLVED THE STATE. SO  
16 FIRST OF ALL, WHERE WILL THAT FUNDING COME FROM?  
17 I'M GUESSING IT COMES OUT OF THE OPERATIONS BUDGET  
18 THAT WE HAVE AS OPPOSED TO THE GRANT FUNDING BUDGET.  
19 AND REALLY WHAT'S THE THINKING THERE BECAUSE IT  
20 SEEMS LIKE THAT'S A MASSIVE EFFORT COORDINATING  
21 RESEARCHERS, INDUSTRY, AND, VERY IMPORTANTLY,  
22 PATIENTS AND PATIENT ADVOCATES BECAUSE I THINK IT  
23 WAS VERY COMPELLING TO HAVE PATIENTS. AND YOU'VE  
24 ALLUDED TO THAT, AND I'M SURE THERE WILL BE MORE  
25 DETAIL, BUT I'M JUST WONDERING HOW YOU VISUALIZE

BARRISTERS' REPORTING SERVICE

1 BECAUSE I DO THINK THERE'S A BIG BUDGET IMPACT HERE  
2 IF THIS IS TO BE DONE SUCCESSFULLY.

3 DR. MILLS: JEFF, SO ONE OF THE THINGS  
4 THAT CIRM CAN DO THAT PLAYS A ROLE IN HERE CENTERS  
5 AROUND COORDINATING THE VARIOUS GROUPS THAT EXIST  
6 RIGHT NOW THAT ARE TRYING TO DO THIS PIECEMEAL AND  
7 ONE OFF. AND THAT'S AS I'VE GOTTEN DEEP INTO THIS  
8 TOPIC, THAT'S THE ONE PIECE THAT HAS BECOME CLEAR.  
9 THERE ARE PROBABLY TEN ORGANIZATIONS TRYING TO DO  
10 THIS ALL BY THEMSELVES ALL IN AN UNCOORDINATED WAY.

11 WITH REGARDS TO THE SPECIFIC FUNDING AND  
12 COORDINATION OF IT, YES, IT WILL TAKE ADMINISTRATIVE  
13 FUNDS TO DO IT. I THINK THERE'S ALSO AN OPPORTUNITY  
14 AROUND THE COORDINATING FOR US TO ALSO USE SOME OF  
15 THE CONFERENCE FUNDS AS WELL. BUT THAT IS SOMETHING  
16 WE'RE AWARE OF, AND WE'RE MAKING THE SPACE IN THE  
17 BUDGET TO DO IT. YES, THERE WILL BE MORE DETAIL IN  
18 THE PLAN.

19 MR. SHEEHY: I HAVE TWO QUESTIONS AND  
20 WANTED TO JUST FINISH IF THAT'S OKAY.

21 CHAIRMAN THOMAS: SURE.

22 MR. SHEEHY: SO JUST A PART TWO TO THAT.  
23 ARE YOU LOOKING AT LEGISLATION IN WASHINGTON OR  
24 ADMINISTRATIVE CHANGES AT THE FDA? JUST TRYING TO  
25 FIGURE OUT WHAT THE NATURE -- HOW YOU'RE GOING TO



BARRISTERS' REPORTING SERVICE

1 ATTACK IT.

2 DR. MILLS: IT WILL DEPEND. RIGHT NOW  
3 THERE ARE A COUPLE OF INITIATIVES UNDER WAY. AND SO  
4 WE'RE GOING TO HAVE TO SEE HOW IT ROLLS OUT, JEFF.  
5 AND SO I THINK RIGHT NOW IT WOULD BE -- WE DON'T  
6 HAVE THAT BALL YET PULLED TOGETHER BECAUSE THERE ARE  
7 A COUPLE OF PIECES THAT ARE STILL MOVING.

8 MR. SHEEHY: AND THEN MY OTHER QUESTION.  
9 SO JUST A GENERAL COMMENT. I THINK THERE IS LIKE A  
10 BIG GAP HERE IN THAT I THINK WE SHOULD EITHER -- TO  
11 ME IT SEEMS LIKE WE SHOULD ADDRESS THE FUTURE OF  
12 CIRM GIVEN THAT THIS IS LIKELY TO BE THE LAST  
13 STRATEGIC PLAN UNDER CIRM 1.0 FUNDING. SO EITHER  
14 MAYBE THIS INVOLVES THE LEADERSHIP OF THE BOARD, BUT  
15 REALLY AT LEAST SOME SCENARIOS OR OPTIONS OR NOT,  
16 JUST THE ASSUMPTION THAT WE'RE GOING TO CEASE WHEN  
17 THIS FIRST TRANCHE OF MONEY RUNS OUT, THAT'S THE END  
18 OF CIRM, SOMETHING ABOUT THAT BECAUSE IT SEEMS TO ME  
19 THAT WITHOUT HAVING SOME SORT OF EITHER OPTIONS OR  
20 DEFAULT TO JUST ENDING WHEN WE END. BUT THERE'S A  
21 LACK OF CLARITY ON THAT, AND I THINK THAT WOULD BE  
22 HELPFUL TO HAVE THAT AS PART OF WHAT I BELIEVE WILL  
23 LIKELY BE THE LAST STRATEGIC PLAN FOR CIRM'S  
24 FIRST -- FOR THE PROP 71 FUNDING. NO?

25 DR. MILLS: I MEAN I THINK -- SO OBVIOUSLY

BARRISTERS' REPORTING SERVICE

1 WE HAVE VARIOUS ROLES. OPERATIONALLY AT CIRM OURS  
2 IS TO DO THE MOST WE CAN WITH WHAT WE HAVE. I THINK  
3 YOU'RE CORRECT IN SAYING IT'S A TOPIC THAT THE  
4 BOARD, I THINK, NEEDS TO TAKE UP AND HAVE A  
5 DISCUSSION AROUND. OUR VIEW OF THIS IS WE NEED --  
6 THE WAY WE MAKE THE BEST CASE FOR CIRM IS BY DOING  
7 THE MOST WE CAN WITH WHAT WE'VE BEEN GIVEN. AND SO  
8 THAT'S WHAT THIS PLAN CONTEMPLATES.

9 CHAIRMAN THOMAS: I THINK, JEFF, THE POINT  
10 IS VERY WELL TAKEN. WE SHOULD KEEP PART OF THE  
11 DISCUSSION AVAILABLE IN DECEMBER FOR THAT PARTICULAR  
12 TOPIC.

13 MR. SHEEHY: OH, GREAT. THANK YOU.

14 DR. MELMED: I'D ALSO ECHO THE  
15 CONGRATULATIONS TO THE CIRM FOR A REALLY  
16 ENTHUSIASTIC AND PASSIONATE PRESENTATION WHICH GOES  
17 A LONG WAY TO ACHIEVING OUR GOALS. I'D JUST LIKE TO  
18 EMBELLISH THE CONCERNS THAT WERE EXPRESSED ABOUT THE  
19 POSSIBILITY THAT WE WON'T HAVE SUFFICIENT  
20 APPLICATIONS AND THERE WILL BE NOT BE SUFFICIENT  
21 QUALITY PROJECTS TO FUND. SOMEHOW I HOPE THAT IN  
22 OUR PLAN WE'RE NOT NEGLECTING THE INITIATION OF  
23 TRANSLATIONAL PROJECTS TO DEVELOP THE FARM OF HIGH  
24 QUALITY SCHOLARLY WORK IN TRANSLATIONAL STEM CELL  
25 PROGRAMS. IF WE DON'T DEVELOP PI'S AND WE DON'T

BARRISTERS' REPORTING SERVICE

1 DEVELOP STEM CELL LABS, NO ONE ELSE IS GOING TO DO  
2 IT. SO I THINK THAT THE CAUTION THAT WAS EXPRESSED  
3 ABOUT THE POSSIBILITY OF NOT HAVING SUFFICIENT  
4 PROJECTS TO FUND IS A VERY REAL CAUTION. AND I  
5 WOULD HOPE THAT STAFF HAS A MECHANISM TO ADDRESS THE  
6 CONCERN OF ENRICHING THE FARM BACK HOME WHO ARE  
7 GOING TO DEVELOP THESE PROJECTS FROM THEIR LABS.

8 DR. MILLS: YEAH. THAT'S WHAT WE HAVE  
9 REALLY TRIED TO DO BY THE ENORMOUS, I WOULD SAY,  
10 INVESTMENTS THAT WE HAVE PROPOSED IN THE EARLIER  
11 STAGES OF RESEARCH, THE DISCOVERY AND THE  
12 TRANSLATIONAL RESEARCH. SO THIS PLAN CONTEMPLATES  
13 SPENDING \$180 MILLION IN DISCOVERY AND \$175 MILLION  
14 IN TRANSLATIONAL STAGE RESEARCH OVER THE NEXT FIVE  
15 YEARS.

16 JUST TO GIVE YOU A COMPARISON OF THE WAY  
17 THIS USED TO WORK, THESE TWO PROGRAMS HISTORICALLY  
18 AT CIRM HAVE BEEN OFFERED ABOUT EVERY 24 MONTHS.  
19 UNDER THIS PROPOSED PROGRAM, AND ACTUALLY UNDER JUST  
20 THE CIRM 2.0 THAT WAS APPROVED AT THE LAST BOARD  
21 MEETING FOR DISCOVERY AND TRANSLATIONAL, THAT WILL  
22 GO FROM EVERY 24 MONTHS TO EVERY SIX MONTHS. AND SO  
23 WE'RE BASICALLY GOING TO QUADRUPLE THE OFFERING  
24 THAT'S BEEN TAKING PLACE HISTORICALLY, AND THAT IS  
25 IN HOPES, OBVIOUSLY, OF BEING ABLE TO HAVE ENOUGH

BARRISTERS' REPORTING SERVICE

1 PROGRAMS COME IN AND HAVE THOSE PROGRAMS BE  
2 SUCCESSFUL AND THAT OBVIOUSLY MOVE DOWNSTREAM.

3 BUT WHEN I TALKED ABOUT THE SUFFICIENT  
4 NUMBER OF MERITORIOUS PROJECTS TO MEET OUR  
5 OBJECTIVES, THIS IS AN IMPORTANT THING. WE ARE NOT  
6 TRYING TO ACHIEVE A SUCCESS. WE'RE TRYING TO CREATE  
7 A MACHINE THAT, UNLIKE ANYWHERE ELSE IN THE WORLD,  
8 ACCELERATES STEM CELL THERAPIES FOR WHEREVER THEY  
9 ARE. IF THEY ARE IN THE EARLIEST STAGE RESEARCH, WE  
10 WANT THEM TO MOVE TO TRANSLATIONAL, THINGS IN  
11 TRANSLATIONAL INTO THE CLINIC, AND THE THING IN THE  
12 CLINIC HOPEFULLY TO PATIENTS. AND SO IT'S ABOUT  
13 CREATING THAT ENTIRE CONTINUUM, NOT ANY ONE  
14 PARTICULAR PIECE.

15 DR. MELMED: OKAY, THANK YOU. BUT THEN AS  
16 LONG AS WE DON'T GET UNDUE EXPECTATIONS BY THE  
17 PUBLIC THAT WE WILL HAVE 50 TRIALS. WE MAY NOT.

18 DR. MILLS: WE MAY NOT. THAT IS CORRECT.

19 CHAIRMAN THOMAS: OTHER COMMENTS BY  
20 MEMBERS OF THE BOARD? OKAY. HEARING NONE, THANK  
21 YOU VERY MUCH, DR. MILLS. ARE THERE ANY MEMBERS OF  
22 THE PUBLIC WHO WOULD LIKE TO COMMENT ON THIS  
23 PRESENTATION?

24 DR. MILLS: WE HAVE SOME HERE.

25 DR. LORING: SO THAT WAS A TERRIFIC

BARRISTERS' REPORTING SERVICE

1 PRESENTATION, BY THE WAY.

2 (APPLAUSE.)

3 DR. LORING: AND YOU CAN TELL THAT THE  
4 PUBLIC HERE IN SAN DIEGO REALLY DID ENJOY IT. SO I  
5 HAVE -- I ALSO AM VERY GRATEFUL FOR THE OPPORTUNITY  
6 TO BE ABLE TO APPLY FOR A TRANSLATIONAL AWARD FOR  
7 OUR PARKINSON'S DISEASE PROGRAM BECAUSE THAT IS THE  
8 STAGE AT WHICH OUR PROGRAM IS NOW.

9 I JUST HAVE ONE QUESTION, AND IT GOES BACK  
10 TO SLIDE 8. YOU DON'T HAVE TO GO BACK TO SLIDE 8.  
11 THAT WAS THE TIMING OF WHEN THE APPLICATIONS CAN  
12 COME THROUGH. AND THERE'S A DIFFERENCE BETWEEN 2X  
13 FOR THE DISCOVERY AND TRANSLATIONAL AND 12X FOR THE  
14 CLINICAL. AND I WAS WONDERING IF THERE'S ANY  
15 FLEXIBILITY IN THE TRANSLATIONAL PROGRAM TO MAKE IT  
16 A BIT MORE FREQUENT SO IT FITS IN BETWEEN THOSE TWO.  
17 AND THE REASON I ASK IS THAT YOU HAVE THIS TERRIFIC,  
18 VERY FAST FEEDBACK FOR THE CLINICAL PROJECTS IN  
19 WHICH IT WENT FROM A TWO TO A ONE BECAUSE OF THE  
20 FEEDBACK FROM THE GRANT REVIEWERS.

21 SO I WOULD LIKE TO HAVE IN THE  
22 TRANSLATIONAL PROGRAM THAT OPPORTUNITY AS WELL SO  
23 THAT IF WE GOT TWO ON OUR FIRST APPLICATION, WE  
24 WOULDN'T HAVE TO WAIT FOR A REALLY LONG TIME TO BE  
25 ABLE TO USE THE FEEDBACK THAT WE GET AND REAPPLY.

BARRISTERS' REPORTING SERVICE

1 SO THAT'S MY QUESTION. IS THERE ANY FLEXIBILITY IN  
2 THE NUMBER OF TIMES THAT THE TRANSLATIONAL GRANTS  
3 CAN BE APPLIED FOR?

4 CHAIRMAN THOMAS: DR. MILLS.

5 DR. MILLS: OKAY. GOOD NEWS. YES.  
6 ACTUALLY ONE OF THE FEATURES, AND I THINK WE  
7 PROBABLY UNDERPUBLICIZED THIS WHEN WE TALKED ABOUT  
8 DISCOVERY AND TRANSLATION, BUT WHAT WE SAW IN THE  
9 CLINICAL PROGRAM TODAY WAS A GREAT THING. WE SAW A  
10 PHASE III CLINICAL PROGRAM COME IN AND HAVE THE  
11 OVERWHELMING NUMBER OF GWG MEMBERS RECOMMEND IT,  
12 THAT IT WAS A GOOD PROGRAM, BUT THAT IT NEEDED TO  
13 GET BETTER IF IT WAS GOING TO GET FUNDING. AND THEN  
14 IN A RELATIVELY SHORT PERIOD OF TIME, IN A 30-DAY  
15 TIME PERIOD, THAT PROGRAM WENT FROM RECEIVING A  
16 SPLIT VOTE, WHICH ENDED UP AS A TWO, TO A UNANIMOUS  
17 VOTE AS A THREE. AND THIS WAS ONLY SOMETHING THAT  
18 WE HOPED WOULD HAPPEN WITH CIRM 2.0 WAS THAT WE  
19 WOULDN'T JUST LAUNCH PROGRAMS FASTER, BUT WE WOULD  
20 LAUNCH PROGRAMS BETTER, THAT THE 70 THAT ALWAYS USED  
21 TO SORT OF CONFRONT AND CHALLENGE THE BOARD WOULD BE  
22 SOMETHING THE BOARD WOULDN'T HAVE TO DEAL WITH  
23 MAKING A TOUGH DECISION ON. WE COULD HAVE THAT COME  
24 BACK AND GET LAUNCHED AS A 95 AND THEN EVERYONE  
25 WOULD WIN. IF WE COULD DO THAT IN A REASONABLE

BARRISTERS' REPORTING SERVICE

1 PERIOD OF TIME.

2 AND THAT'S A FEATURE THAT WE BUILT INTO  
3 DISCOVERY AND TRANSLATION TOO. WE HAVEN'T TALKED  
4 ABOUT IT AS MUCH. WE CAN'T RUN THOSE REVIEW CYCLES  
5 ANY MORE FREQUENTLY THAN THAT. WE JUST DON'T HAVE  
6 THE BANDWIDTH TO DO IT. BUT THE GREAT THING ABOUT  
7 OUR REVIEW CYCLES, AND ALSO CONTRAST THIS TO THE WAY  
8 IT USED TO BE WHERE THESE THINGS ONLY HAPPENED EVERY  
9 24 MONTHS ON AVERAGE, A TRANSLATIONAL PROGRAM, FOR  
10 EXAMPLE, ONLY HAPPENED EVERY 24 MONTHS. SO WHEN YOU  
11 GOT YOUR FEEDBACK THAT SAID THAT DIDN'T GO WELL, IT  
12 WAS A REAL PROBLEM BECAUSE YOU HAD TO NOW WAIT 24  
13 MONTHS FOR THAT OPPORTUNITY. WELL, NOW YOU'LL GET  
14 YOUR FEEDBACK. LET'S SAY YOU APPLY IN JANUARY.  
15 YOU'LL GET YOUR FEEDBACK IN MAY ON HOW IT WENT. AND  
16 IF IT IS A TWO OR A SCORE THAT'S NOT IN THE RANGE OF  
17 FUNDING, YOU WILL HAVE YOUR COMMENTS AND CAN  
18 IMMEDIATELY APPLY AGAIN FOR THE JULY FUNDING.

19 SO THE REVIEW PROCESSES ARE INTENDED TO  
20 WORK FOR TRANSLATIONAL AND DISCOVERY EXACTLY LIKE  
21 THEY WORK FOR CLINICAL SO THAT YOU DON'T HAVE TO  
22 WAIT TWO YEARS, YOU DON'T EVEN HAVE TO WAIT A YEAR.  
23 YOU HAVE TO WAIT -- YOU GET YOUR FEEDBACK, YOU  
24 MODIFY YOUR APPLICATION, AND YOU'RE APPLYING AGAIN  
25 FOR THIS SAME PROGRAM IN SIX WEEKS.

BARRISTERS' REPORTING SERVICE

1 SO I'M ACTUALLY GLAD YOU ASKED THE  
2 QUESTION BECAUSE IT'S A FEATURE I WANTED TO MAKE  
3 SURE THAT EVERYONE UNDERSTOOD AND APPRECIATED ABOUT  
4 THE DISCOVERY AND TRANSLATIONAL PROGRAMS.

5 MS. GOULD: MY NAME IS SHERRIE GOULD, AND  
6 I AM REPRESENTING THE SUMMIT4STEMCELL GROUP. AND I  
7 WOULD SAY ON BEHALF OF MYSELF AND THE HUNDREDS OF  
8 PEOPLE THAT ARE INVOLVED IN THIS PROJECT THAT WE  
9 WOULD BE HAPPY TO COMPLEMENT CIRM AND STAND BEHIND  
10 CIRM AS FAR AS THE POWER OF PATIENT ADVOCACY IN  
11 RAISING MONEY AND SUPPORTING THESE TYPE OF RESEARCH  
12 PROJECTS. SO I JUST WANTED TO COMMEND YOU AND  
13 CERTAINLY OFFER WHATEVER SUPPORT WE CAN GIVE IN  
14 TERMS OF GETTING OTHER PATIENT GROUPS INVOLVED.

15 DR. MILLS: THANK YOU.

16 CHAIRMAN THOMAS: THANK YOU. ANY OTHER  
17 COMMENTS IN SAN DIEGO? ANY OTHER COMMENTS EITHER AT  
18 UCLA OR USC? OKAY. I THINK THAT THEN CONCLUDES  
19 THAT AGENDA ITEM.

20 WE DID HAVE A HARD STOP AT 11:30. WE HAVE  
21 ONE MORE AGENDA ITEM THAT IS, I BELIEVE, ALEX, ABOUT  
22 A TEN-MINUTE ITEM MAX. IF WE COULD INDULGE THOSE ON  
23 THE PHONE, UPDATE ON THE MOSS-ADAMS AUDIT AND HOW WE  
24 ARE BEING RESPONSIVE TO IT. SO IF YOU DON'T MIND,  
25 WE MIGHT EXTEND A FEW MORE MINUTES AND I'LL TURN IT



BARRISTERS' REPORTING SERVICE

1 OVER HERE TO ALEX.

2 DR. CAMPE: THANK YOU, CHAIRMAN THOMAS,  
3 MEMBERS OF THE BOARD, PRESIDENT MILLS, AND CIRM.  
4 I'D LIKE TO UPDATE EVERYONE ON OUR PERFORMANCE AUDIT  
5 REPORT. AS YOU ALL KNOW, MOSS-ADAMS, MARK STERANKA,  
6 PRESENTED IN MAY OF 2015, A FEW MONTHS AGO, ON THEIR  
7 FINAL REPORT TO US. THIS IS THE SECOND PERFORMANCE  
8 AUDIT WE RECEIVED. IT WAS FOR THE '13-'14 FISCAL  
9 YEAR. AND AMONG OTHER THINGS, HE DID COMMEND US ON  
10 STRENGTHENING OUR GRANTS MANAGEMENT SYSTEM, THE  
11 GRANTS REVIEW PROCESSES, AND OUR OVERALL  
12 ORGANIZATIONAL CULTURE.

13 WITH THE '13-'14 AUDIT WE SEE 12  
14 RECOMMENDATIONS, AND WE ARE ALL FOCUSING VERY MUCH  
15 ON THOSE 12 RECOMMENDATIONS SO THAT WE CAN ACHIEVE  
16 FURTHER EFFICIENCIES AND EFFECTIVENESS WITHIN THE  
17 ORGANIZATION.

18 I'D LIKE TO QUICKLY RUN THROUGH THE 12  
19 RECOMMENDATIONS. IF ANYONE HAS ANY QUESTIONS, FEEL  
20 FREE NOW OR AT THE END TO ASK ME.

21 WE DID GET A RECOMMENDATION TO ADDRESS  
22 GRANTS MANAGEMENT SYSTEM ISSUES IN THE NO. 1 ISSUE  
23 REGARDING FINANCIAL INTEREST DISCLOSURE FORMS, AND  
24 WE WILL CONTINUE TO USE THE GMS SYSTEM TO CAPTURE  
25 THIS INFORMATION.

BARRISTERS' REPORTING SERVICE

1 THE NO. 2, WE'RE ADDRESSING FINANCIAL  
2 INTEREST DISCLOSURE FORM REVIEW AND REPORTING  
3 PROCESSES. WE WILL IMPLEMENT GMS MODULES, A MODULE  
4 TO DOCUMENT ALL ACTIONS NECESSARY TO ENSURE THAT WE  
5 HAVE ACCOUNTABILITY IN THOSE AREAS.

6 THE THIRD ITEM, WE ARE ADDRESSING  
7 IMPLEMENTING POLICIES AND PROCEDURES AND RESOURCES  
8 TO ACHIEVE MORE TIMELY REVIEW OF PROGRESS REPORTS.  
9 THIS IS AN ITEM THAT DID COME UP A FEW YEARS AGO,  
10 AND WE ARE CONTINUING TO ADDRESS THIS. OUR TARGET  
11 WITHIN THE ORGANIZATION IS 30 CALENDAR DAYS FOR  
12 PROGRESS REPORT REVIEW IN ORDER TO PRIORITIZE THIS  
13 WORK ACROSS THE ENTIRE ORGANIZATION.

14 THE FOURTH ITEM IS IMPLEMENTING PROCEDURES  
15 TO ENSURE ADHERENCE TO THE GRANTS ADMINISTRATION  
16 POLICY, AND WE ARE WORKING ON THAT TO IMPLEMENT NEW  
17 BUSINESS RULES AND SOP'S TO ENSURE FINAL PROGRESS  
18 REPORTS ARE SUBMITTED AND CONTINUE TO USE THE  
19 PAYMENT MODULE IN THE GRANTS MANAGEMENT SYSTEM TO  
20 ADDRESS ANY LATE ANNUAL PROGRESS REPORTS.

21 THE FIFTH ITEM, ADDRESSING IMPLEMENTING  
22 ENHANCEMENTS TO THE GRANTS MANAGEMENT SYSTEM TO  
23 SUPPORT INCREASED ACCOUNTABILITY AND ENFORCEMENT OF  
24 ANNUAL UTILIZATION REPORT REQUIREMENTS, WE ARE  
25 PROVIDING ADDITIONAL NOTIFICATION TO GRANTEES AND

BARRISTERS' REPORTING SERVICE

1 IMPLEMENTING POLICIES TO ADDRESS MORE TIMELY  
2 SUBMITTAL OF THE REPORTS.

3 THE SIXTH ITEM IS CIRM-FUNDED IP  
4 DEVELOPMENTS. WE ARE ADDING THREE FIELDS IN THE IP  
5 MODULE OF THE GRANTS MANAGEMENT SYSTEM TO REFLECT  
6 THE FOLLOWING THREE COMMERCIAL EVENTS THAT WE WANT  
7 TO ENSURE WE GATHER THE APPROPRIATE DATA ON. ONE,  
8 INITIATION OF CLINICAL TESTING; TWO, THE INITIATION  
9 OF PIVOTAL STUDIES; AND, THREE, APPLICATION FOR  
10 MARKETING APPROVAL.

11 THE SEVENTH ITEM IS DEVELOPING AN INTERNAL  
12 SLATE OF OPERATIONAL PERFORMANCE MEASURES ALIGNED  
13 WITH CIRM'S STRATEGIC PLAN AND REPORTING REGULARLY  
14 TO THE ICOC. THIS IS SOMETHING WE'RE DIRECTING AS  
15 PART OF THE CORE 2.0 PROCESS WHERE OUR INTERNAL  
16 ADMINISTRATIVE AREAS ARE COLLABORATING TO ADDRESS  
17 THIS AND REVIEWING ALL OUR POLICIES TO MAKE THEM  
18 CONSISTENT WITH OUR OVERALL STRATEGIC PLAN AND  
19 ADDRESSING INEFFICIENCIES AND SUCH.

20 NO. 8 IS CONTINUE TO PROACTIVELY FOCUS ON  
21 IMPROVING EMPLOYEE ENGAGEMENT THROUGH ACTIVE  
22 EMPLOYEE OUTREACH. THIS IS BEING DONE IN MULTIPLE  
23 WAYS INCLUDING, BUT NOT LIMITED TO, HOLDING  
24 QUARTERLY MEETINGS, ENGAGING TEAM IN STRATEGIC PLAN,  
25 AND MANY OTHER ITEMS.

BARRISTERS' REPORTING SERVICE

1 NO. 9 IS ENSURING THAT THE PERFORMANCE  
2 EVALUATION AND MERIT INCREASES OCCUR IN A TIMELY  
3 MANNER. I CAN TELL YOU ALL THAT IT WAS IMPLEMENTED  
4 IN A TIMELY MANNER ON JULY 1 OF THIS YEAR, AND OUR  
5 PLAN IS TO CONTINUE THAT IN THE FUTURE.

6 NO. 10 IS CONTINUE TO MONITOR CURRENT  
7 TRENDS IN WEB APPLICATION DEVELOPMENT. THIS WILL  
8 CONTINUE TO BE ADDRESSED AND HAS BEEN. OBVIOUSLY  
9 THIS IS DEPENDENT ON THE LIFE SPAN OF CIRM, AND  
10 WE'LL CONSIDER NEW WEB APPLICATION DEVELOPMENT  
11 PLATFORMS FOR ANY NEW NON-GMS OR GRANTS MANAGEMENT  
12 SYSTEM WEB APPLICATION DEVELOPMENT.

13 NO. 11 IS TO CONTINUE TO IDENTIFY AND  
14 PURSUE OPPORTUNITIES TO ENHANCE GRANTS MANAGEMENT  
15 SYSTEM CAPABILITIES TO AUTOMATE PROCESSES, REDUCE  
16 PAPERWORK, AND, OF COURSE, ENHANCE INFORMATION  
17 ACCESS. WE'LL BE WORKING TO -- CONTINUE TO WORK  
18 WITH THE STAKEHOLDERS TO DEFINE SUCH AND IMPROVE  
19 BUSINESS PROCESSES.

20 AND THE LAST ONE IS ACTUALLY A FOLLOW-UP  
21 FROM THE 2010/2011 PERFORMANCE AUDIT  
22 RECOMMENDATIONS. AND THIS IS TO ENSURE THAT ANY  
23 REMAINING AUDIT RECOMMENDATIONS FROM THAT PERIOD ARE  
24 ADDRESSED GOING FORWARD FOR '13-'14.

25 SO WE'D THANK YOU FOR HEARING ALL OF THAT.

BARRISTERS' REPORTING SERVICE

1 AS I SAID, WE'RE ALL FOCUSED IN ON THIS, AND WE WILL  
2 CONTINUE TO GIVE UPDATES TO THE BOARD ABOUT WHERE WE  
3 ARE IN THE PROGRESS IN COMPLETING THESE  
4 RECOMMENDATIONS. THANK YOU.

5 CHAIRMAN THOMAS: THANK YOU, ALEX. ANY  
6 COMMENTS OR QUESTIONS? OKAY. WE ARE NOW IN THE  
7 GENERAL PUBLIC COMMENT SEGMENT. ANY COMMENTS TO BE  
8 MADE BY MEMBERS OF THE PUBLIC ON ANY OTHER TOPICS WE  
9 HAVEN'T DISCUSSED?

10 MS. CHEUNG: WE HAVE A MEMBER OF THE  
11 PUBLIC IN SAN DIEGO.

12 MS. ROBB: IT'S JENNIFER ROBB. I FEEL  
13 LIKE A KID AT CHRISTMAS. THANK YOU, EVERYONE, VERY  
14 MUCH FOR THIS. I LOVE THE NEW PROGRAM AND THE  
15 PRESENTATION, RANDY. IT'S AGGRESSIVE, AMBITIOUS,  
16 AND I'M HOPING IT'S VERY SUCCESSFUL, BUT THANK YOU.

17 CHAIRMAN THOMAS: THANK YOU. ANY OTHER  
18 PUBLIC COMMENT? HEARING NONE, I'D LIKE TO AT THIS  
19 POINT GIVE MR. JUELSGAARD, MR. ROWLETT, ANYBODY ELSE  
20 WHO WOULD CARE TO OFFER ANY REAL-TIME COMMENTARY OR  
21 ANALYSES ON THE PENNANT RACE OF THE NATIONAL LEAGUE.

22 DR. JUELSGAARD: J.T., HOPE SPRINGS  
23 ETERNAL.

24 CHAIRMAN THOMAS: THANK YOU, MR.  
25 JUELSGAARD. MR. ROWLETT, DO YOU HAVE ANY COMMENT?

BARRISTERS' REPORTING SERVICE

1 MR. ROWLETT: NOT AT THIS TIME, SIR.  
2 HOWEVER, I WILL BE CHATTING WITH YOU SOON.

3 MS. CHEUNG: J.T., WE ACTUALLY HAVE ONE  
4 PERSON WHO WOULD LIKE TO MAKE ADDITIONAL PUBLIC  
5 COMMENT HERE.

6 CHAIRMAN THOMAS: PRESUMABLY THAT'S ON  
7 ANOTHER TOPIC, BUT, YES, PLEASE, GO AHEAD.

8 MR. RODUNSKY: I'M AFRAID I'M NOT MUCH OF  
9 A BASEBALL FAN. THIS IS MICHAEL RODUNSKY AGAIN.  
10 AGAIN, I WANT TO THANK RANDY AND THE TEAM AT CIRM  
11 FOR HELPING US OUT.

12 I WOULD LIKE TO ASK A KIND OF MECHANISTIC  
13 QUESTION BECAUSE AT LEAST TO ME IT WAS A WELCOME  
14 SURPRISE THAT YOU CHANGED WHEN WE COULD START  
15 APPLYING FOR OUR GRANT. AND IT SOUNDED LIKE THAT  
16 WAS IN SEVEN DAYS. CAN YOU PROVIDE MORE DETAIL ON  
17 WHEN THIS FUNDING GRANT APPLICATION ACCEPTANCE  
18 STARTS IN SEVEN DAYS, WHEN DOES IT CLOSE, WHAT CAN  
19 WE EXPECT IN TERMS OF APPROVAL, DENIAL TIMING, ETC.?

20 CHAIRMAN THOMAS: DR. MILLS.

21 DR. MILLS: ALL OF THAT INFORMATION WILL  
22 BE CONTAINED IN WHAT WE CALL A PROGRAM ANNOUNCEMENT,  
23 WHICH DETAILS THE APPLICATION. WE ANTICIPATE HAVING  
24 THAT POSTED WITHIN THE NEXT SEVEN DAYS. THAT WILL  
25 NOT BE TOMORROW. BUT IT WILL BE -- WE FEEL

BARRISTERS' REPORTING SERVICE

1 CONFIDENT WE'LL HAVE IT UP WITHIN THE NEXT SEVEN  
2 DAYS. AND THAT WILL OUTLINE THE REVIEW PERIOD.

3 WE ANTICIPATE NOT HAVING A VERY LENGTHY  
4 OPEN PERIOD FOR THIS ONE BECAUSE WE HAVE TO GET IT  
5 STARTED RIGHT AWAY. SO I WOULD ANTICIPATE THE  
6 APPLICATION WOULD PROBABLY -- THE APPLICATION WINDOW  
7 TO APPLY WOULD PROBABLY CLOSE SOMETIME IN NOVEMBER.  
8 AND THEN, AS I SAID, WE WOULD ANTICIPATE HAVING  
9 COMMENTS -- HAVING THE REVIEW DONE BY WHAT WE CALL  
10 OUR GRANTS WORKING GROUP AND HAVING COMMENTS BACK IN  
11 FOUR TO FIVE MONTHS FROM THAT, AND THEN A FUNDING  
12 DECISION ABOUT ROUGHLY A HUNDRED -- BY THE ICOC,  
13 WHICH IS THE FINAL FUNDING DECISION THAT TAKES  
14 PLACE, ABOUT 180 DAYS AFTER IT CLOSES. THOSE ARE  
15 ROUGH TIME FRAMES RIGHT NOW THAT WILL BE SPELLED OUT  
16 MORE EXPLICITLY IN THE PROGRAM ANNOUNCEMENT THAT  
17 POSTS. AND THEN, AGAIN, KEEP IN MIND THAT IS FOR  
18 THE FIRST ONE, AND THEN THEY WILL RUN OVER AND OVER  
19 AND OVER AGAIN FROM THAT POINT FORWARD.

20 CHAIRMAN THOMAS: ANY OTHER COMMENTS BY  
21 ANYBODY AT THIS POINT ON ANY TOPIC? HEARING NONE, I  
22 BELIEVE THAT CONCLUDES OUR AGENDA. THANK YOU VERY  
23 MUCH, EVERYBODY.

24 (THE MEETING WAS THEN CONCLUDED AT  
25 11:45 A.M.)

BARRISTERS' REPORTING SERVICE

REPORTER'S CERTIFICATE

I, BETH C. DRAIN, A CERTIFIED SHORTHAND REPORTER IN AND FOR THE STATE OF CALIFORNIA, HEREBY CERTIFY THAT THE FOREGOING TRANSCRIPT OF THE PROCEEDINGS BEFORE THE INDEPENDENT CITIZEN'S OVERSIGHT COMMITTEE OF THE CALIFORNIA INSTITUTE FOR REGENERATIVE MEDICINE IN THE MATTER OF ITS REGULAR MEETING ON SEPTEMBER 24, 2015, WAS HELD AS HEREIN APPEARS AND THAT THIS IS THE ORIGINAL TRANSCRIPT THEREOF AND THAT THE STATEMENTS THAT APPEAR IN THIS TRANSCRIPT WERE REPORTED STENOGRAPHICALLY BY ME AND TRANSCRIBED BY ME. I ALSO CERTIFY THAT THIS TRANSCRIPT IS A TRUE AND ACCURATE RECORD OF THE PROCEEDING.

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