	BEFORE THE
CALIFORNIA INS ORG	ATION REVIEW SUBCOMMITTEE OF THE STITUTE FOR REGENERATIVE MEDICINE ANIZED PURSUANT TO THE TEM CELL RESEARCH AND CURES ACT
	REGULAR MEETING
LOCATION:	VIA ZOOM
DATE:	APRIL 20, 2021 10 A.M.
REPORTER:	BETH C. DRAIN, CA CSR CSR. NO. 7152
	CSR. NU. 7132
FILE NO.:	2021-09

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ITEM DESCRIPTION	PAGE NO.
OPEN SESSION	
1. CALL TO ORDER.	3
2. ROLL CALL	3
ACTION ITEMS	
3. CONSIDERATION OF APPLICATIONS SUBMITTED IN RESPONSE TO CLINICAL TRIAL ST PROJECTS PROGRAM ANNOUNCEMENT (CLIN 1,2 OR	
CLOSED SESSION	NONE
4. DISCUSSION OF CONFIDENTIAL INTELLECTUA OR WORK PRODUCT, PREPUBLICATION DATA, FINA INFORMATION, CONFIDENTIAL SCIENTIFIC RESEA DATA, AND OTHER PROPRIETARY INFORMATION RE APPLICATIONS SUBMITTED IN RESPONSE TO AGEN ABOVE. (HEALTH & SAFETY CODE 125290.30(F) AND (C)).	NCIAL RCH OR LATING TO DA ITEM 3
DISCUSSION ITEMS	
5. PUBLIC COMMENT.	NONE
6. ADJOURNMENT.	46
2	

1	APRIL 20, 2021; 10 A.M.
2	
3	CHAIRMAN THOMAS: OKAY. GOOD MORNING,
4	EVERYBODY. WELCOME TO THE APRIL 20TH MEETING OF THE
5	ICOC AND THE APPLICATION REVIEW SUBCOMMITTEE. HOPE
6	THIS FINDS YOU AND YOUR FAMILY SAFE AND WELL.
7	MARIA, WILL YOU PLEASE CALL THE ROLL.
8	MS. BONNEVILLE: YES. DAN BERNAL.
9	MR. BERNAL: PRESENT.
10	MS. BONNEVILLE: ANNE-MARIE DULIEGE.
11	DR. DULIEGE: PRESENT.
12	MS. BONNEVILLE: YSABEL DURON.
13	MS. DURON: HERE.
14	MS. BONNEVILLE: MARK FISCHER-COLBRIE.
15	DR. FISCHER-COLBRIE: HERE.
16	MS. BONNEVILLE: ELENA FLOWERS.
17	DR. FLOWERS: PRESENT.
18	MS. BONNEVILLE: DAVID HIGGINS.
19	DR. HIGGINS: HERE.
20	MS. BONNEVILLE: STEVE JUELSGAARD.
21	MR. JUELSGAARD: PRESENT.
22	MS. BONNEVILLE: DAVE MARTIN.
23	DR. MARTIN: HERE.
24	MS. BONNEVILLE: CHRISTINE MIASKOWSKI.
25	LAUREN MILLER-ROGEN.
	3
	د د

1MS. MILLER-ROGEN: HERE.2MS. BONNEVILLE: ADRIANA PADILLA. JOE	
2 MS. BONNEVILLE: ADRIANA PADILLA. JOE	
3 PANETTA.	
4 MR. PANETTA: HERE.	
5 MS. BONNEVILLE: AL ROWLETT.	
6 MR. ROWLETT: HERE.	
7 MS. BONNEVILLE: OS STEWARD.	
8 DR. STEWARD: HERE.	
9 MS. BONNEVILLE: JONATHAN THOMAS.	
10 CHAIRMAN THOMAS: HERE.	
11 MS. BONNEVILLE: ART TORRES.	
12 MR. TORRES: HERE.	
13 MS. BONNEVILLE: KAROL WATSON.	
14 DR. WATSON: HERE.	
15 MS. BONNEVILLE: DIANE WINOKUR.	
16 THANK YOU.	
17 CHAIRMAN THOMAS: THANK YOU, MARIA. WE'RE	
18 GOING TO MOVE INTO THE ACTION ITEMS HERE. FIRST IS,	
19 FIRST AND ONLY IS, CONSIDERATION OF APPLICATIONS	
20 SUBMITTED IN RESPONSE TO CLINICAL TRIAL STAGE	
21 PROJECTS PROGRAM ANNOUNCEMENTS, CLINS 1, 2, AND 3.	
22 THERE ARE TWO APPLICATIONS TO BE CONSIDERED HERE.	
23 OS, AS CHAIR OF THE APPLICATION REVIEW SUBCOMMITTEE,	
24 IS GOING TO RUN THE FIRST; BUT AS HE IS CONFLICTED,	
25 I WILL RUN THE SECOND. AND SO WITHOUT FURTHER ADO,	
4	

1	LET ME TURN THE MEETING OVER TO OS. THANK YOU, OS.
2	DR. STEWARD: THANK YOU. SO WELCOME,
3	EVERYBODY. I AM GOING TO ACTUALLY LOG ON WITH MY
4	PHONE BECAUSE I HAVE SORT OF A WEAK INTERNET
5	CONNECTION HERE. CAN EVERYBODY HEAR ME?
6	CHAIRMAN THOMAS: YES.
7	MS. BONNEVILLE: YES.
8	DR. STEWARD: OKAY. GOOD. YOU GUYS ARE
9	FREEZING, SO THAT BOTHERS ME.
10	SO I THINK THAT WE NEED TO START WITH A
11	PRESENTATION FROM GIL; IS THAT CORRECT, MARIA?
12	MS. BONNEVILLE: THAT IS CORRECT.
13	DR. STEWARD: SO, GIL.
14	DR. SAMBRANO: ALL RIGHT. THANK YOU, OS.
15	I AM GOING TO SHARE MY PRESENTATION. HOPEFULLY ALL
16	OF YOU CAN SEE THIS. SO GOOD MORNING TO ALL.
17	AND SO TODAY I WANT TO GIVE YOU AN
18	OVERVIEW OF THE RECOMMENDATIONS FROM THE GRANTS
19	WORKING GROUP, AS MENTIONED, FOR OUR CLINICAL
20	PROGRAM. JUST AS A REMINDER, OUR CLINICAL PROGRAM
21	ENCOMPASSES THREE DIFFERENT PROGRAM ANNOUNCEMENTS.
22	THE TWO APPLICATIONS THAT WE ARE CONSIDERING TODAY
23	ARE BOTH CLINICAL TRIAL APPLICATIONS.
24	WE ISSUED THE PROGRAM ANNOUNCEMENTS IN
25	JANUARY, JANUARY 1ST, UNDER PROP 14 AS THE BEGINNING
	5

1	AND RELAUNCH OF OUR CORE PROGRAMS. AND SO OUR FIRST
2	DEADLINE WAS AT THE END OF JANUARY. AND SO THIS IS
3	THE FIRST CYCLE THAT WE ARE THEN SHOWING YOU THE
4	OUTCOMES AND RECOMMENDATIONS FROM THE GRANTS WORKING
5	GROUP ON THOSE.
6	AND WE SET AND THE BOARD SET AN ALLOCATION
7	OF A HUNDRED MILLION FOR THE PERIOD OF JANUARY
8	THROUGH JUNE OF 2021. THE AMOUNT REQUESTED TODAY BY
9	BOTH APPLICATIONS WOULD TOTAL TO 14.4 MILLION. AND
10	SO IF THOSE ARE APPROVED, YOU WOULD HAVE AN UNUSED
11	BALANCE OF 85.6 MILLION REMAINING UNDER THAT
12	ALLOCATION.
13	AND SO A REMINDER JUST OF THE CRITERIA
14	THAT ARE USED BY THE GRANTS WORKING GROUP IN
15	ASSESSING THE MERIT OF THESE APPLICATIONS. WE IN
16	THE PAST HAD FOUR KEY QUESTIONS WHICH WE NOW HAVE
17	FIVE, AND I'LL GO OVER THESE, ESPECIALLY THE FIFTH
18	ONE IN MORE DETAIL.
19	THE FIRST ONE IS WHETHER THE PROJECT HOLDS
20	THE NECESSARY SIGNIFICANCE AND POTENTIAL FOR IMPACT,
21	MEANING WHAT VALUE DOES IT OFFER AND IS IT SOMETHING
22	WORTH DOING? DOES IT HAVE A SOUND RATIONALE? IS
23	THE PROJECT WELL-PLANNED AND DESIGNED? IS THE
24	PROJECT FEASIBLE, INCLUDING, DO THEY HAVE AN
25	APPROPRIATE AND QUALIFIED TEAM, THE INFRASTRUCTURE,
	6

1	AND RESOURCES TO CARRY OUT WHAT THEY PROPOSE TO DO?
2	AND THEN THE NEW AND FIFTH CRITERION, WHICH WAS
3	ADDED IN THIS CYCLE AND GOING FORWARD, IS DOES THE
4	PROJECT ADDRESS THE NEEDS OF UNDERSERVED
5	COMMUNITIES?
6	SO USING THESE CRITERIA, THE GRANTS
7	WORKING GROUP THEN ASSIGNED A SCIENTIFIC SCORE TO
8	THESE APPLICATIONS USING A SYSTEM OF 1, 2, OR 3.
9	GIVING IT A SCORE OF 1 MEANS THAT THIS IS AN
10	EXCEPTIONAL APPLICATION. IT COULD HAVE SOME MINOR
11	RECOMMENDATIONS AND ADJUSTMENTS THAT WOULDN'T
12	REQUIRE FURTHER GWG REVIEW. A SCORE OF 2 MEANS IT
13	NEEDS IMPROVEMENT. AND SO TYPICALLY THESE
14	APPLICATIONS GO BACK TO THE APPLICANT TO ADDRESS THE
15	CONCERNS OF THE REVIEWERS AND THEY RESUBMIT SO THAT
16	THEY CAN BE REEVALUATED. AND THEN, OF COURSE, A
17	SCORE OF 3 SUCH THAT IT IS SUFFICIENTLY FLAWED AND
18	WOULDN'T WARRANT FUNDING AT THIS TIME.
19	SO WHEN BEGINNING OUR REVIEW CYCLE THIS
20	YEAR, THERE WERE SOME NEW ELEMENTS THAT WE
21	INTRODUCED INTO THE APPLICATIONS. AND SO WE
22	PRESENTED THESE NEW ELEMENTS TO THE GRANTS WORKING
23	GROUP AS PART OF OUR INSTRUCTIONS. SO AMONG THEM
24	WERE THE INCREASE IN SCOPE JUST SO THAT THEY WERE
25	AWARE THAT GENE THERAPY IS NOW PART OF WHAT CIRM CAN

7

1	FUND; THE INCLUSION OF A DATA SHARING PLAN, WHICH IS
2	PART OF THE APPLICATION AND SOMETHING THAT CAN AND
3	SHOULD BE EVALUATED; ADDRESSING THE NEEDS OF
4	UNDERSERVED COMMUNITIES; AND THE ADDITION OF THIS AS
5	A REVIEW CRITERION, ALTHOUGH WE ALREADY HAD THIS
6	SECTION AND HAVE ACTUALLY BEEN ADDRESSING IT FOR
7	QUITE A WHILE, THE REVIEW CRITERION ITSELF IS NEW;
8	AND THEN, LASTLY, A SECTION ON DIVERSITY, EQUITY,
9	AND INCLUSION. AND SO I WANT TO JUST SPEND A LITTLE
10	TIME ON THESE LAST NEW ELEMENTS. THE FIRST ONE OF
11	ADDRESSING THE NEEDS OF THE UNDERSERVED AND JUST
12	DISTINGUISHING IT FROM THE DIVERSITY, EQUITY, AND
13	INCLUSION SECTIONS BECAUSE THERE IS CERTAINLY
14	SOMETIMES CONFUSION ABOUT THESE TWO.
15	SO THE FIRST SECTION ON ADDRESSING THE
16	NEEDS OF UNDERSERVED COMMUNITIES IS A SECTION THAT
17	DESCRIBES THE APPLICANT'S PLAN FOR OUTREACH AND
18	ENROLLMENT OF A DIVERSE PATIENT COHORT THAT ACCOUNTS
19	FOR RACIAL, ETHNIC, AND GENDER DIVERSITY IN THE
20	CLINICAL TRIAL. AND SO THIS IS A COMPONENT THAT HAS
21	EXISTED IN THE APPLICATIONS FOR QUITE A WHILE. AND
22	I'LL EXPLAIN THAT FURTHER IN THAT IT IS EVALUATED AS
23	PART OF THE OVERALL PROJECT AND INCORPORATED INTO
24	THE SCIENTIFIC MERIT SCORE OF THE 1, 2, OR 3.
25	SEPARATELY, WE ADDED A SECTION ON
	0

8

1	DIVERSITY, EQUITY, AND INCLUSION IN RESEARCH. AND
2	SO THIS SECTION DESCRIBES HOW THE APPLICANT TEAM
3	WOULD INCORPORATE PERSPECTIVES AND EXPERIENCES TO
4	IMPROVE THE PROJECT THROUGH THE COMPOSITION OF THE
5	TEAM OR ANY OTHER APPROACHES THAT THE APPLICANT
6	WOULD PRESENT. AND THIS SECTION IS EVALUATED AND
7	SCORED BY PATIENT ADVOCATE MEMBERS AND IS
8	REPRESENTED BY THE DEI SCORE, WHICH IS ON A SCALE OF
9	ZERO TO TEN.
10	NOW, THIS SECTION IS NOT ONLY NEW, IT IS
11	STILL UNDER DEVELOPMENT, AND SO IT IS A SECTION THAT
12	WE WOULD ADVISE, AND I'LL GO INTO IT IN A LITTLE
13	MORE DETAIL, THAT WE CONSIDER IT SORT OF A TEST RUN
14	IN TERMS OF HOW IT IS USED IN MAKING A FINAL FUNDING
15	DECISION ON ANY OF THESE APPLICATIONS.
16	SO LET ME JUST GO AND ADDRESS THE NEEDS OF
17	THE UNDERSERVED FIRST. SO WHEN IT COMES TO CLINICAL
18	TRIALS, ALL PROJECTS THAT ARE FUNDED THROUGH STATE
19	FUNDS OR EVEN THROUGH FEDERAL FUNDS, THERE ARE
20	EXISTING LAWS THAT REQUIRE WOMEN AND MINORITIES BE
21	INCLUDED IN CLINICAL STUDIES. SO THIS HAS BEEN THE
22	CASE EVEN SINCE CIRM'S ORIGINAL FOUNDING, AND SO
23	THIS IS PART OF OUR REGULATIONS. AND SO THIS
24	SECTION REALLY DRAWS OUT WHAT THE PLANS BY THE
25	APPLICANT WOULD BE IN ORDER TO ADDRESS THIS. AND SO

9

1	GIVEN IT'S IMPORTANCE, WE CREATED THAT NEW FIFTH
2	REVIEW CRITERION IN ORDER TO INCORPORATE IT INTO THE
3	SCORING OF CLINICAL TRIAL APPLICATIONS.
4	AND SO THE INSTRUCTIONS TO THE APPLICANT,
5	BASICALLY JUST TO SUMMARIZE, ARE FOR THEM TO PRESENT
6	THEIR PLAN FOR OUTREACH AND STUDY PARTICIPATION BY
7	UNDERSERVED AND DISPROPORTIONATELY AFFECTED
8	POPULATIONS, TO PRESENT ANY JUSTIFICATION FOR THE
9	EXCLUSION OF ANY GROUPS THAT ARE AT RISK FOR THE
10	DISEASE, AND BASICALLY HAVE AN OVERALL PRESENTATION
11	OF WHAT THEY INTEND TO DO, AND NOTING THAT THE
12	GRANTS WORKING GROUP AND GOVERNING BOARD WILL
13	EVALUATE THOSE PLANS.
14	THE FIFTH REVIEW CRITERION THEN LAYS OUT
15	THESE SUBQUESTIONS OF WHETHER THE PROPOSAL
16	ADEQUATELY ADDRESSES ALL OF THIS. DOES THE PROPOSAL
17	PROVIDE A CLEAR AND ROBUST PLAN FOR OUTREACH AND
18	STUDY PARTICIPATION? DOES THE PROPOSAL ADDRESS THE
19	PLAN DISTRIBUTION OF SUBJECTS ACCORDING TO RACE,
20	SEX, GENDER, AND ETHNICITY? AND DO THEY HAVE AN
21	APPROPRIATE RATIONALE FOR THE STUDY POPULATION THAT
22	THEY ARE ADDRESSING? AND IF THERE IS ANY GROUP THAT
23	IS EXCLUDED, WHETHER THERE IS ADEQUATE
24	JUSTIFICATION? SO THIS IS WHAT THE GRANTS WORKING
25	GROUP GUIDANCE IS AND PROVIDES ON THAT SECTION.

10

1	NOW, DISTINCT FROM THAT IS A VERY SEPARATE
2	SECTION ON THE DIVERSITY, EQUITY, AND INCLUSION, AS
3	I MENTIONED BEFORE, WHICH IS THE NEW ELEMENT TO BE
4	EVALUATED BY PATIENT ADVOCATE MEMBERS. THIS IS
5	INTENDED TO BE A MORE HOLISTIC VIEW OF DIVERSITY AND
6	INCLUSION IN THE COMPOSITION OF THE RESEARCH TEAM
7	AND OTHER APPROACHES. AND SO THESE INSTRUCTIONS TO
8	THE APPLICANT ARE STILL A LITTLE BIT VAGUE. SO I
9	THINK THIS IS CERTAINLY WHERE WE NEED TO DEVELOP OUR
10	GUIDANCE BOTH TO THE APPLICANTS AS WELL AS TO
11	REVIEWERS IN TERMS OF WHAT IS EXPECTED AND WHAT TO
12	DO HERE.
13	BUT CURRENTLY THE APPLICATION INSTRUCTIONS
14	SAY DESCRIBE HOW THE RESEARCH TEAM HAD OR WILL
15	INCORPORATE DIVERSE AND INCLUSIVE PERSPECTIVES AND
16	EXPERIENCE IN THE IMPLEMENTATION OF THE RESEARCH
17	PROJECT, INCLUDING, FOR EXAMPLE, INCLUSION OF TEAM
18	MEMBERS FROM DIFFERENT SOCIOECONOMIC BACKGROUNDS.
19	AND SO ONE OF THE ELEMENTS THAT MAKES THIS
20	SECTION ALSO CHALLENGING FOR THE GRANTS WORKING
21	GROUP TO ASSESS IS THIS WARNING THAT WE PRESENTED TO
22	THEM THAT BY STATE LAW CIRM IS PROHIBITED FROM
23	TAKING RACE, ETHNICITY, NATIONAL ORIGIN, OR GENDER
24	INTO ACCOUNT IN MAKING GRANT DECISIONS, MEANING THAT
25	AS THEY DISCUSS AND EVALUATE THIS PARTICULAR

11

1	SECTION, IT CANNOT BE SOLELY BASED ON OR MAKE SOLE
2	REFERENCE TO THESE ELEMENTS. AND SO THE EVALUATIONS
3	NEED TO BE FOCUSED ON OTHER FACTORS SUCH AS
4	SOCIOECONOMIC STATUS OR THOSE THAT ARE FIRST IN
5	THEIR FAMILY TO ATTEND COLLEGE.
6	SO THE SCORING, AGAIN, ON THAT DEI SECTION
7	BY PATIENT ADVOCATE MEMBERS WAS, AT LEAST IN THIS
8	INITIAL RUN, DONE ON A SCALE OF ZERO TO TEN WITH TEN
9	BEING THE BEST POSSIBLE SCORE. WE COLLECTED
10	COMMENTS IN ORDER TO PROVIDE JUSTIFICATION FOR THOSE
11	SCORES. AND AS MENTIONED BEFORE, THIS PROCESS IS
12	NEW, SO WE ARE ANTICIPATING THAT IMPROVEMENTS ARE
13	GOING TO BE MADE AS WE GO ALONG, AND WE ARE USING
14	THE FEEDBACK FROM OUR PATIENT ADVOCATE MEMBERS AS
15	WELL AS OUR APPLICANTS WHO ARE PUTTING IN AND
16	REQUESTING GUIDANCE ON THOSE SECTIONS. SO EXPECT TO
17	SEE MORE ON THIS AS WE DEVELOP IT.
18	ANOTHER IMPORTANT NOTE REGARDING THIS
19	PARTICULAR REVIEW IS THAT THE TWO APPLICATIONS THAT
20	ARE BEING CONSIDERED ARE RESUBMITTED APPLICATIONS.
21	SO THEY ORIGINALLY APPLIED IN AUGUST OF 2020 UNDER
22	PROP 71 FUNDING AND RECEIVED A SCORE OF 2. AND SO
23	WITH A SCORE OF 2, MEANING THAT THEY GET THE
24	OPPORTUNITY TO REVISE AND RESUBMIT, UNFORTUNATELY WE
25	WERE AT A POINT WHERE THERE WAS NO CIRM FUNDING

1	AVAILABLE FOR THEM TO DO THAT, AND THAT WOULDN'T
2	OCCUR UNTIL WE REESTABLISHED FUNDING UNDER PROP 14.
3	SO WITH THE ISSUING OF THIS NEW CORE SET
4	OF PROGRAM ANNOUNCEMENTS, THE APPLICANTS
5	RESUBMITTED, AND SO WE ARE SEEING THEM NOW AS
6	REVISED APPLICATIONS. BUT ALSO IT'S IMPORTANT TO
7	NOTE THAT THE NEW ELEMENTS OF DATA SHARING AND DEI
8	WERE NOT COMPONENTS OF THE ORIGINAL APPLICATION NOR
9	OF THE ORIGINAL REVIEW, BUT THE APPLICANTS DID
10	SUBMIT SUPPLEMENTARY INFORMATION THAT ADDRESSED
11	THOSE AREAS AND WERE THEN LOOKED AT BY THE GRANTS
12	WORKING GROUP IN THE MOST RECENT REVIEW.
13	OKAY. SO BEFORE I GO INTO THEN EACH OF
14	THE APPLICATIONS, ARE THERE QUESTIONS ABOUT THE
15	BACKGROUND AND THE PROCESS? OS, DO YOU WANT TO SAY
16	ANYTHING AT THIS POINT?
17	DR. STEWARD: I'M SORRY. I HAVE TO GO TO
18	MY PHONE BECAUSE THE INTERNET IS REALLY UNSTABLE ON
19	MY OFFICE COMPUTER HERE.
20	SO JUST TO EMPHASIZE WHAT GIL SAID ABOUT
21	THE DEI, THIS WAS SOMETHING THAT ACTUALLY WE HAD A
22	LOT OF DISCUSSION ABOUT. AND I THINK THAT WHAT GIL
23	SAID ABOUT IT BEING A SORT OF TRIAL RUN IS VERY
24	IMPORTANT HERE. WE REALLY REALIZED THAT THERE'S A
25	LOT OF SORT OF MOVING PARTS TO THIS AND NEED TO GET
	13

13

<ol> <li>IT REALLY BETTER EXPLAINED TO BOTH THE APPLICANTS</li> <li>AND THE REVIEW GROUP. SO I'LL JUST EMPHASIZES THAT</li> <li>AND ALSO JUST TO SAY THAT BOTH OF THESE</li> <li>APPLICANTS, AND, GIL, MAYBE YOU CAN CORRECT ME, SO</li> <li>THEY CAME IN UNDER THE EARLIER RFP. IT ACTUALLY</li> <li>DIDN'T HAVE A SECTION 5 IN THEIR REVISED</li> <li>APPLICATION, BUT THEY WERE ASKED TO PROVIDE</li> </ol>	
AND ALSO JUST TO SAY THAT BOTH OF THESE APPLICANTS, AND, GIL, MAYBE YOU CAN CORRECT ME, SO THEY CAME IN UNDER THE EARLIER RFP. IT ACTUALLY DIDN'T HAVE A SECTION 5 IN THEIR REVISED	
<ul> <li>APPLICANTS, AND, GIL, MAYBE YOU CAN CORRECT ME, SO</li> <li>THEY CAME IN UNDER THE EARLIER RFP. IT ACTUALLY</li> <li>DIDN'T HAVE A SECTION 5 IN THEIR REVISED</li> </ul>	
5 THEY CAME IN UNDER THE EARLIER RFP. IT ACTUALLY 6 DIDN'T HAVE A SECTION 5 IN THEIR REVISED	
6 DIDN'T HAVE A SECTION 5 IN THEIR REVISED	
7 APPLICATION, BUT THEY WERE ASKED TO PROVIDE	
8 INFORMATION REGARDING THAT. SO IT'S A LITTLE BIT	
9 DIFFERENT THAN WE'LL SEE GOING FORWARD AND JUST TO	
10 SORT OF EMPHASIZE THAT FOR EVERYBODY BEFORE WE	
11 ACTUALLY START THE CONSIDERATION. THANK YOU. BUT	
12 PLEASE ANYBODY ASK ANY QUESTIONS NOW BEFORE WE	
13 ACTUALLY GET INTO THE APPLICATIONS THEMSELVES.	
14 MR. TORRES: YES. DR. STEWARD, IT'S ART	-
15 I JUST WANTED TO REMIND OURSELVES THAT PERHAPS WE	
16 SHOULD REACH OUT TO GENERAL COUNSEL FOR UC BECAUSE	
17 ON THE BOARD OF REGENTS WE'VE BEEN DEALING WITH TH	IS
18 ISSUE OBVIOUSLY ONCE PROP 16 DID NOT PASS AND HOW W	٧E
19 APPLY THIS TO ADMISSION STANDARDS AND A WHOLE LOT (	ϽF
20 OTHER EMPLOYMENT ISSUES BECAUSE IT'S VERY RELEVANT	
21 TO WHAT WE ARE DISCUSSING HERE. SO I WILL TRY AND	
22 GET A LEGAL COUNSEL'S OPINION FROM UC SO THAT WE AN	٦E
23 IN SYNC WITH OUR INSTITUTIONS.	
24 DR. STEWARD: THANK YOU. THAT'S, I THIN	<,
25 AN EXCELLENT WAY TO MOVE FORWARD ON THIS. THANK	
14	

1	YOU, ART.
2	MS. BONNEVILLE: OS, ADRIANA HAS HER HAND
3	RAISED.
4	DR. STEWARD: YES. I SEE THAT. YES,
5	ADRIANA.
6	DR. PADILLA: YES. THANK YOU. I JUST
7	WANTED TO KNOW HAVE YOU WORKED OUT, GIL, THE PROCESS
8	OF HOW THE CRITERIA ARE GOING TO BE DEVELOPED OVER
9	TIME ON THE DEI STATUS BECAUSE WE TALK ABOUT
10	DIVERSITY, BUT I WAS ALSO INTERESTED IN HOW THAT
11	PERTAINS TO INCLUSION AND EQUITY FOR, FOR INSTANCE,
12	UNDERSERVED COMMUNITIES IN CALIFORNIA AND HOW THESE
13	RESEARCH STUDIES WOULD ADDRESS THAT PARTICULARLY.
14	DR. SAMBRANO: RIGHT. THAT'S A GREAT
15	QUESTION, AND I THINK THAT'S PART OF WHAT WE NEED TO
16	THINK THROUGH MORE CAREFULLY AND BE ABLE TO DEVELOP
17	THE EXPECTATIONS FOR THESE TYPES OF PROJECTS.
18	WE ARE ALSO TRYING TO IMPLEMENT THIS
19	ACROSS THE DIFFERENT TYPES OF PROJECTS THAT WE FUND,
20	SO ALSO IN DISCOVERY AND TRANSLATION. AND SO WHAT
21	THE EXPECTATIONS FOR DEI WOULD BE ACROSS ALL OF
22	THOSE DIFFERENT TYPES OF PROJECTS WOULD LIKELY
23	DIFFER AS WELL. AND SO I THINK THAT DEVELOPMENT OF
24	IT IS GOING TO REQUIRE US JUST TO HAVE MORE
25	CONVERSATIONS PARTICULARLY WITH GRANTS WORKING GROUP

1	PATIENT ADVOCATE MEMBERS IN ORDER TO MORE FULLY
2	DEVELOP IT.
3	DR. PADILLA: SO IS THAT LIKE A WORK GROUP
4	THAT'S ALREADY IN PROCESS, OR WHAT IS THE TIMELINE
5	FOR THAT?
6	DR. SAMBRANO: SO WE DON'T YET HAVE A
7	TIMELINE FOR IT, BUT WE'VE BEGUN DISCUSSIONS WITH
8	GRANTS WORKING GROUP PATIENT ADVOCATE MEMBERS. AND
9	SO THAT IS SOMETHING THAT IS ONGOING AND WE WILL
10	HAVE TO DEVELOP.
11	DR. PADILLA: OKAY. SO WE'LL GET SOME
12	INFORMATION ON THAT DOWN THE ROAD?
13	DR. SAMBRANO: YES, ABSOLUTELY.
14	DR. PADILLA: GREAT.
15	DR. STEWARD: IF I COULD JUST EMPHASIZE
16	SOMETHING THAT GIL SAID BECAUSE IT'S REALLY
17	IMPORTANT. WHAT YOU'RE ACTUALLY ASKING ABOUT IN
18	TERMS OF OUTREACH IS COVERED UNDER SECTION 5
19	CURRENTLY AND IS SOMETHING THAT WE HAVE BEEN DOING
20	FOR QUITE A WHILE AND, AS GIL SAID, ACTUALLY IS
21	INCORPORATED INTO BOTH STATE AND FEDERAL LAWS AS
22	WELL. SO FROM THAT POINT OF VIEW, THAT'S ONE ASPECT
23	OF THIS THAT IS ALREADY IN PLACE VERY FIRMLY.
24	AND THEN THE SEPARATE DEI CONSIDERATION,
25	WHICH REALLY RELATES PRIMARILY TO THE TEAM, IS THE
	16

1ONE I THINK THAT IS GOING TO BE THE ONE THAT IS2GOING FORWARD GOING TO NEED MORE WORK. AM I STATING3THAT CORRECTLY, GIL?4DR. SAMBRANO: YES. THAT'S RIGHT, OS.5THAT'S CORRECT.6DR. STEWARD: THANK YOU. HOPE THAT7CLARIFIES. LET'S SEE. WE HAVE A HAND FROM YSABEL.8MS. DURON: YES. THANK YOU. FIRST OF9ALL, I'M GLAD THAT ART IS GOING TO CHECK IN WITH THE10LAWYERS BECAUSE THE VERY NATURE OF THE "BY STATE LAW11CIRM IS PROHIBITED" SAYS ONE THING, AND THAT REALLY12TIES HANDS BECAUSE PART AND I'M GLAD WE ARE13LOOKING AT COMPOSITION OF THE RESEARCH GROUPS. ONE,14THIS IS A WAY BY BRINGING IN INVESTIGATORS OF COLOR,15RACIAL AND ETHNIC GROUPS WE ARE IMPROVING THE16PIPELINE. WE ARE HELPING AN UNDERSERVED COMMUNITY17HAVE THESE EXPERTS. BUT BEYOND THAT, IT STRIKES ME18THAT THEY BRING WITH THEM NOT ONLY LIVED EXPERIENCE,19BUT CULTURE AND LANGUAGE THAT IS ADDITIONAL VALUE TO20THE RESEARCH TEAM AND WITHOUT IT MIGHT NOT BE ABLE21TO DO THE RECRUITMENT NECESSARY, THE OUTREACH22NECESSARY THAT IS ALREADY CREATING THE23TRUSTWORTHINESS WITH THOSE COMMUNITIES WITH WHOM24THEY WISH TO ENGAGE.25SO I HAVE A LITTLE PROBLEM WHEN YOU'RE		
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	24	THEY WISH TO ENGAGE.
17	25	SO I HAVE A LITTLE PROBLEM WHEN YOU'RE
		17

1	DISCOUNTING SOMEONE'S RACE OR ETHNICITY, AND I'M
2	HOPING THAT WE GET THE NUANCE CLARITY ON THAT
3	BECAUSE THAT SOUNDS JUST STRICTLY PROHIBITED. YOU
4	CAN'T EVEN THINK ABOUT THAT, AND I THINK THERE MUST
5	BE A NUANCE TO THAT INTERPRETATION BECAUSE, IN FACT,
6	IF WE DON'T HAVE PEOPLE WHO BRING THEIR RACE AND
7	ETHNICITY TO THE TABLE, THEN IT'S THE SAME OLE, SAME
8	OLE. THANK YOU.
9	DR. STEWARD: I THINK I HAVE A HAND FROM
10	AL ROWLETT.
11	MR. ROWLETT: THANK YOU. I DON'T WANT TO
12	REPEAT EVERYTHING THAT OS SAID. MY PERSPECTIVE
13	AROUND THIS AND CERTAINLY FOR MY COLLEAGUES ON THE
14	BOARD, THE COMMITMENT THAT WE'VE MADE AS EVALUATORS
15	IS TO PROVIDE STAFF WITH INFORMATION THAT WILL
16	RESULT IN THE KIND OF PROCESS IMPROVEMENTS THAT WE
17	ALL WANT AND THAT ARE CONSISTENT WITH THE
18	LEGISLATION, SPECIFICALLY AS IT RELATES TO THE
19	INCLUSION OF PEOPLE WITH LIVED EXPERIENCE, I.E.,
20	EITHER AS PART OF A GROUP THAT IS LEADING
21	APPLICATIONS OR CERTAINLY MAKING SURE THAT IT IS
22	REFLECTED IN THE APPLICATION, AND THAT THE
23	PERSPECTIVE OF PEOPLE WITH LIVED EXPERIENCE IS NOT
24	ONLY IMPORTANT, BUT FROM MY PERSPECTIVE ESSENTIAL,
25	AGAIN, TAKING INTO CONSIDERATION THE SOCIAL

18

1	DETERMINANTS OF THE HEALTH. AND, AGAIN, THAT
2	PERSPECTIVE AND MAKING SURE THAT IT'S REFLECTED IN
3	THE RESPONSES THAT WE GET.
4	AND THEN I THINK I WANT TO ASSERT THAT GIL
5	IS RIGHT ON WHEN HE SAID THAT THE INCLUSION OF THE
6	REVIEWERS IS RESULTING IN US ASKING APPLICANTS
7	BETTER QUESTIONS AND THAT AS WE ASK BETTER
8	QUESTIONS, WE'RE GOING TO GET BETTER, MORE
9	COMPREHENSIVE RESPONSES THAT ARE NOT REFLECTIVE OF
10	THE KIND OF WORK THAT TYPICALLY EXCLUDES PEOPLE OF
11	COLOR, BUT IS MORE INCLUSIVE OF PEOPLE OF COLOR,
12	UNDERSERVED AND UNSERVED COMMUNITIES.
13	DR. STEWARD: GOOD. THANK YOU. I DON'T
14	SEE ANY MORE HANDS. WAIT. STEVE JUELSGAARD.
15	MR. JUELSGAARD: YES. SO I'M NOT SURE HOW
16	MANY PEOPLE ARE AS VERSED IN THE NEW PROPOSITION 14
17	THESE DAYS, PARTICULARLY WITH REGARD TO SOMETHING
18	CALLED THE TREATMENTS AND CURES ACCESSIBILITY AND
19	AFFORDABILITY WORKING GROUP. BUT THERE ARE TWO
20	PARTICULAR SECTIONS IN WHAT THAT GROUP IS SUPPOSED
21	TO BE AIMED AT THAT I'M JUST GOING TO READ TO YOU
22	BECAUSE THEY ADDRESS SOMETHING ADRIANA MENTIONED
23	EARLIER.
24	THE FIRST IS THAT THIS GROUP IS TO
25	RECOMMEND TO THE GOVERNING BOARD, THAT'S US,
	19

1	POLICIES AND PROGRAMS TO HELP CALIFORNIANS OBTAIN
2	ACCESS TO HUMAN CLINICAL TRIALS AND TO MAKE
3	TREATMENTS AND CURES ARISING FROM INSTITUTE-FUNDED
4	RESEARCH AVAILABLE TO CALIFORNIA PATIENTS THROUGHOUT
5	CALIFORNIA.
6	SECOND PROVISION READS AS FOLLOWS.
7	THEY'RE ALSO TO RECOMMEND TO US, THE GOVERNING
8	BOARD, POLICIES AND PROGRAMS TO HELP CALIFORNIANS
9	AFFORD TO PARTICIPATE IN HUMAN CLINICAL TRIALS AND
10	TO MAKE TREATMENTS AND CURES ARISING FROM
11	INSTITUTE-FUNDED RESEARCH AFFORDABLE TO CALIFORNIA
12	PATIENTS REGARDLESS OF FINANCIAL MEANS.
13	SO WE HAVE A GROUP, I TAKE IT, THAT'S
14	STILL BEING FORMED, BUT THEIR GOAL IS TO ADVISE US
15	OF POLICIES THAT WE MIGHT ADOPT THAT WOULD REACH OUT
16	TO UNDERSERVED COMMUNITIES AND ALSO POTENTIALLY HELP
17	PAY PEOPLE IN THOSE UNDERSERVED COMMUNITIES IN
18	ASSOCIATION WITH BEING IN CLINICAL TRIALS. SO WE
19	HAVE HELP COMING, I HOPE.
20	MR. TORRES: YES. YES, YOU DO, STEVE. AS
21	CHAIR OF THAT NEW WORKING GROUP, AND YOU'RE RIGHT,
22	WE HAVEN'T FINISHED NAMING ALL OF PARTICIPANTS THAT
23	ARE ARTICULATED IN THE LANGUAGE THAT BOB AND I WROTE
24	FOR PROP 14 ON THAT VERY ISSUE, AND WE ARE STARTING
25	TO DO THAT. BUT I'VE ALSO BEEN WORKING ON IT AS
	20

20

<ol> <li>WELL IN PREPARATION FOR OUR FIRST MEETING WHEN WE</li> <li>CAN AT LEAST BEGIN TO OUTLINE THE GENERAL OUTLINES</li> <li>OF WHAT'S GOING ON. I TOOK PARTICULAR STEPS IN</li> <li>BRINGING COVERED CALIFORNIA NEGOTIATORS TO CIRM</li> <li>EARLY ON, ABOUT A YEAR AGO, TO BEGIN DISCUSSIONS OF</li> </ol>	4
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	١
5 EARLY ON, ABOUT A YEAR AGO, TO BEGIN DISCUSSIONS OF	N
6 AFFORDABILITY ISSUES AND HOW TO REACH OUT TO	
7 THIRD-PARTY PAYERS.	
8 WE ALSO HAVE A GOOD FORMULA THAT WE'VE	
9 BEEN WORKING WITH SINCE 1996 AT THE ORGAN TRANSPLA	١T
10 FOUNDATION, ONE LEGACY, OF WHICH I'M THE VICE CHAI	۲,
11 WHICH SPEAKS DIRECTLY TO WHAT YOU JUST SAID. AND	
12 THAT IS HOW DO WE ESTABLISH CRITERIA SO THAT WE CAN	١
13 HELP CAREGIVERS AND THEIR PATIENTS COME TO A	
14 LOCATION WHICH IS FAR FROM THEIR HOME AND STILL BE	
15 ABLE TO PAY FOR THEIR MINIMUM OF EXPENSES. SO I'L	-
16 GET MUCH MORE INTO DETAIL AS WE EVOLVE AND THE FIR	SТ
17 MEETING IS HELD, HOPEFULLY SOON. THANK YOU, STEVE	
18 MR. JUELSGAARD: YOU'RE WELCOME, ART.	
19 JUST ONE FOLLOW-UP TO THAT. SO IT SEEMS TO ME THAT	Г
20 THE LANGUAGE THAT'S WRITTEN HERE IN WHAT'S DESIRED	
21 IS BROAD ENOUGH TO ALLOW CIRM ITSELF TO ESTABLISH	
22 FUNDING MECHANISMS FROM CIRM FUNDS TO ASSIST IN	
23 PROVIDING ACCESS TO UNDERSERVED COMMUNITIES.	
24 MR. TORRES: YES. YOU'RE ABSOLUTELY	
25 RIGHT, STEVE. THE WAY WE HANDLE IT WITH ONE LEGAC	1
21	

-	
1	IS THAT WE CREATE SPECIFIC FOUNDATIONS THAT WE FUND.
2	FOR EXAMPLE, WE HAVE THE AVA FOUNDATION, WHICH IS
3	DIRECTLY LINKED TO HEART TRANSPLANT PATIENTS, AND WE
4	FUND THEM BY ABOUT A HUNDRED THOUSAND A YEAR, AND
5	THEY RAISE A LOT OF THEIR OWN MONEY. AND THAT
6	DIRECTLY ASSISTS HEART TRANSPLANT PATIENTS AND THEIR
7	CAREGIVERS. WE ARE MORE FORTUNATE IN THAT WE HAVE
8	THE FUNDING AND WILL HAVE THE FUNDING AVAILABLE TO
9	HELP AT LEAST BEGIN THE FIRST STEPS OF THAT
10	FINANCING FOR STEM CELL PATIENTS AND THEIR
11	CAREGIVERS AND THEIR COSTS.
12	MR. JUELSGAARD: GREAT. THANKS.
13	DR. STEWARD: GOOD. ANY OTHER QUESTIONS
14	OR COMMENTS? I WANT TO MAKE SURE THAT WE HAVE A
15	ROBUST DISCUSSION ABOUT THIS. THANKS FOR EVERYBODY
16	PROVIDING THEIR INPUT HERE. ANYTHING ELSE? I DON'T
17	SEE ANY HANDS. MARIA, DO YOU SEE ANY HANDS THAT I'M
18	MISSING?
19	MS. BONNEVILLE: NO, I DO NOT.
20	DR. STEWARD: OKAY. GREAT. SO WE CAN, I
21	THINK, GO AHEAD AND MOVE TO CONSIDERATION OF THE
22	FIRST APPLICATION. GIL, IF I CAN TURN IT BACK OVER
23	TO YOU.
24	DR. SAMBRANO: OKAY. THANK YOU, OS. SO
25	THE FIRST APPLICATION TO BE CONSIDERED IS 12153. SO
	22

1	THIS IS A CAR T-CELL THERAPY FOR PEDIATRIC BRAIN
2	TUMORS. THIS IS AN AUTOLOGOUS THERAPY OF A CHIMERIC
3	ANTIGEN RECEPTOR T-CELL CELL THERAPY. AND IT IS
4	ENGINEERED TO TARGET AN ANTIGEN ON PEDIATRIC
5	MALIGNANT BRAIN TUMORS. THE INDICATION IS FOR
6	RECURRENT OR REFRACTORY MALIGNANT PEDIATRIC BRAIN
7	TUMORS THAT EXPRESS THAT TUMOR-ASSOCIATED ANTIGEN.
8	THE GOAL OF THIS PARTICULAR STUDY IS TO
9	COMPLETE A PHASE 1 TRIAL. THE FUNDS REQUESTED IS
10	8.4 MILLION FOR THIS STUDY.
11	JUST TO PROVIDE SOME BACKGROUND
12	INFORMATION, BRAIN TUMORS ARE THE LEADING CAUSE OF
13	SOLID TUMOR CANCER DEATH IN CHILDREN BETWEEN THE
14	AGES OF ZERO AND 14, AND IT IS THE SECOND MOST
15	COMMON CANCER IN CHILDREN AFTER LEUKEMIA. AND THE
16	PROGNOSIS FOR PEDIATRIC PATIENTS THAT HAVE
17	AGGRESSIVE BRAIN TUMORS IS VERY POOR AND OFTEN IS
18	JUST A FEW MONTHS. THE PROPOSED THERAPY WOULD OFFER
19	THE POSSIBILITY OF IMPROVED PATIENT OUTCOMES THAT
20	COULD INCLUDE TUMOR SHRINKAGE AND REGRESSION. AND
21	THE APPROACH WOULD PROVIDE A THERAPEUTIC OPTION WITH
22	IMPROVED TOLERABILITY AND FEWER SIDE EFFECTS THAN
23	THE CURRENT STANDARD OF CARE, WHICH IS MOSTLY
24	RADIATION THERAPY AND IN SOME CASES NEUROSURGICAL
25	RESECTION.

23

1	WHY IS THIS A STEM CELL PROJECT?
2	THERAPEUTIC CANDIDATE CONTAINS MEMORY T-CELLS.
3	IN LOOKING AT OUR PORTFOLIO PROJECTS OF
4	PROJECTS WE HAVE FUNDED THAT MIGHT BE RELATED OR
5	SIMILAR TO THIS, ON THIS TABLE IS LISTED THE CURRENT
6	APPLICATION AND THEN TWO OTHER PROJECTS. SO THERE
7	IS ANOTHER PHASE 1 CLINICAL TRIAL FOCUSED ON
8	MALIGNANT GLIOMA, IN THIS CASE IN ADULTS. IT IS BY
9	THE SAME TEAM, AND IT'S USING THE SAME CANDIDATE IN
10	ADULT PATIENTS. SO LARGELY A SIMILAR STUDY, BUT A
11	DIFFERENT PATIENT POPULATION.
12	THERE IS ANOTHER SOMEWHAT RELATED STUDY
13	THAT WE ARE FUNDING. IT'S ALSO A PHASE 1 CLINICAL
14	TRIAL. THAT ONE IS FOCUSED ON USING A SIMILAR
15	T-CELL THERAPY APPROACH, BUT IT IS FOR BRAIN
16	METASTASES FROM HER2 POSITIVE BREAST CANCER CELLS.
17	THE APPLICANT, AS MENTIONED, HAS RECEIVED
18	PREVIOUS CIRM FUNDING. AND SO LISTED HERE ARE TWO
19	PREVIOUS PROJECTS. THE OTHER ONE IS THE PHASE 1
20	CLINICAL TRIAL THAT WE JUST MENTIONED THAT HAS
21	PROGRESSED QUITE WELL AND ACHIEVED ALL MILESTONES ON
22	TIME, AND THEY ARE ON TRACK FOR COMPLETING THEIR
23	LAST MILESTONE BY NOVEMBER 2021 WHEN THEY WOULD WRAP
24	UP THAT PROJECT. THEY ALSO RECEIVED A TRANSLATIONAL
25	AWARD IN THE PAST THAT HELPED DEVELOP THIS OVERALL

24

1	THERAPEUTIC CANDIDATE.
2	SO THE RECOMMENDATION FROM THE GRANTS
3	WORKING GROUP WAS A SCORE OF 1 WITH 11 MEMBERS OF
4	THE WORKING GROUP GIVING IT A SCORE OF 1. THERE
5	WERE FOUR MEMBERS THAT GAVE IT A SCORE OF 2 AND NO
6	MEMBERS THAT GAVE IT A SCORE OF 3. THIS HAD A DEI
7	SCORE OF 9. CIRM'S TEAM RECOMMENDATION IS TO FUND
8	THIS APPLICATION, CONCURRING WITH THE GRANTS WORKING
9	GROUP RECOMMENDATION, FOR AN AWARD AMOUNT OF 8.4
10	MILLION. AND SO I WILL PAUSE THERE.
11	DR. HIGGINS: GIL, MAY I ASK A QUESTION
12	PLEASE? THIS IS DAVID IN SAN DIEGO.
13	DR. SAMBRANO: ABSOLUTELY.
14	DR. HIGGINS: WHAT DEI SCORE WOULD
15	INDEPENDENTLY KILL THIS APPLICATION IF IT
16	WERE WHAT IF THE DEI SCORE WAS 1 AND ALL THE
17	OTHER SCORES WERE AS PRESENTED? WHAT WOULD THAT DO
18	TO THE PROCESS?
19	DR. SAMBRANO: WELL, I THINK THAT IS UP TO
20	THE APPLICATION REVIEW SUBCOMMITTEE. SO WHAT WE DO
21	IS PRESENT THE RECOMMENDATIONS AND THE SCORES AS
22	WERE DESIGNATED BY THE GROUP, BUT ULTIMATELY I THINK
23	THAT BECOMES PART OF PROGRAMMATIC REVIEW THAT
24	HAPPENS HERE IN TERMS OF WHAT WEIGHT YOU WISH TO
25	GIVE IT RELATIVE TO THE OVERALL SCIENTIFIC MERIT OF
	25

1	THE APPLICATION.
2	DR. HIGGINS: SO IT'S NOT GOING TO BE
3	FORMULAIC. IT'S GOING TO BE ON AN INDIVIDUAL BASIS.
4	DR. SAMBRANO: THAT'S RIGHT.
5	DR. HIGGINS: OKAY.
6	MR. HARRISON: GIL, COULD I JUST JUMP IN
7	THERE QUICKLY. DAVID, I THINK THAT'S YOUR
8	QUESTION IS ONE OF THE VERY REASONS THAT WE VIEW THE
9	CURRENT DEI SCORES AS A TEST RUN BECAUSE WE NEED TO
10	DEVELOP MORE AND MORE CLEARLY CRITERIA BOTH FOR THE
11	EVALUATION AND FOR THE PRESENTATION OF INFORMATION
12	BY THE APPLICANTS THEMSELVES. AND BECAUSE THE
13	PROCESS IS EVOLVING AND WE HAVE NOT YET ACHIEVED
14	THAT LEVEL OF CLARITY, WE ARE AT THIS STAGE NOT
15	CONSIDERING THE DEI SCORES AS PART OF YOUR
16	DECISION-MAKING. THEY'RE THERE FOR INFORMATION
17	PURPOSES ONLY WHILE WE CONTINUE TO REFINE THE
18	PROCESS.
19	DR. HIGGINS: THANK YOU, JAMES.
20	THAT'S AS USUAL YOU'RE VERY CLEAR. BUT MY
21	QUESTION SORT OF HAS TO DO NOT WITH HOW WE'RE GOING
22	TO ARRIVE AT A SCORE THAT WE ARE HAPPY WITH, BUT
23	WHAT ARE WE GOING TO DO WITH THAT SCORE. SO
24	ESSENTIALLY THE SLIDE IN FRONT OF US WE'VE GOT TWO
25	SCORES. WE'VE GOT A 1 AND A 9, SAY. ARE THEY EQUAL

1	WEIGHT, OR DOES THE 9 DEI EMPHASIS, IS IT ONE-FIFTH
2	OF THE TOTAL SCORE? IS THERE SOME WAY IT
3	AUTOMATICALLY GETS AVERAGED IN, OR IS THIS SOMETHING
4	THAT WILL BE DONE ON A CASE-BY-CASE BASIS?
5	SO THIS TIME I THINK THE DEI SCORE IS
6	REALLY IMPORTANT AND THE NEXT APPLICANT I DON'T
7	THINK IT'S AS IMPORTANT. DOES THAT MAKE SENSE? THE
8	QUESTION MAKE SENSE?
9	DR. STEWARD: I THINK IT MAKES GREAT
10	SENSE. THANK YOU. YES.
11	MR. HARRISON: AND I THINK THOSE ARE THE
12	TYPES OF QUESTIONS THAT WE WILL BE EVALUATING AS WE
13	CONSIDER HOW TO MOVE FORWARD IN UTILIZING, BOTH
14	APPLYING THE DEI CRITERIA, THE SCORING METHODOLOGY,
15	WHAT'S THE DIFFERENCE BETWEEN A SIX AND A NINE, FOR
16	EXAMPLE, AND THEN WHAT THE GROUP'S THOUGHTS ARE WITH
17	RESPECT TO HOW THOSE SCORES ARE THEN UTILIZED IN THE
18	ULTIMATE FUNDING DECISIONS.
19	DR. HIGGINS: OKAY. JAMES, I'M ABSOLUTELY
20	SATISFIED. THAT'S A PERFECT ANSWER. THANK YOU.
21	MS. DURON: YSABEL HERE.
22	DR. STEWARD: YES, YSABEL. GO AHEAD.
23	THANK YOU.
24	MS. DURON: THANK YOU, OS. I'M GLAD THAT
25	DAVID RAISED THE QUESTION BECAUSE I HAVE THAT SAME
	27
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1	KIND OF A CURIOSITY BOTH WHEN IT COMES TO THE DEI,
2	BUT ALSO WHEN IT COMES TO THE INCLUSION PLAN. SO
3	LET'S SAY THE INCLUSION PLAN SHOWS THAT THEY'RE
4	REALLY SCORING I HOPE THAT'S NOT ME MAKING ALL
5	THE SQUEAKS THE INCLUSION PLAN SHOWS THAT THEY'VE
6	GOT A VERY ROBUST ENGAGEMENT PLAN AND THAT THEY'VE
7	LOOKED AT I'M SORRY ABOUT THAT YOU LOOK AT THE
8	INCLUSION PLAN. IT'S VERY ROBUST. IT TAKES INTO
9	ACCOUNT THE IMPACT OF THESE BRAIN CANCERS ON
10	CHILDREN OF COLOR WHO OFTENTIMES DON'T END UP IN THE
11	BEST OF TREATMENT AND CARE CIRCUMSTANCE AND DON'T
12	HAVE ACCESS TO THE HIGHEST QUALITY KIND OF
13	SCIENTIFIC DIAGNOSIS AND ASSESSMENT.
14	SO IF THAT IS HIGH IN TERMS OF ITS SCORE,
15	THEN I MIGHT HAVE LESS CONCERN THAT THE DEI SCORE IS
16	NOT AS MUCH INCLUSIVE OF A LARGE GROUP OF
17	INVESTIGATORS FROM THESE COMMUNITIES SO THAT THERE
18	PROVIDES SOME BALANCE. BUT IF BOTH ARE LOW, THEN I
19	WOULD HAVE A GREAT DEAL OF CONCERN THAT ONE OF THE
20	MAJOR REASONS FOR CONSIDERING INCLUSION IS NOT BEING
21	PROMOTED SIMPLY BECAUSE HISTORY SHOWS US THAT UNLESS
22	WE ARE IN FRONT OF YOU, YOU'RE NOT NECESSARILY
23	THINKING ABOUT US. AND, THEREFORE, THIS IS WHY WE
24	KEEP ASKING FOR INCLUSION AND PLANS THAT ARE VERY
25	SPECIFIC AND HAVE OUTCOMES AS A RESULT OF THOSE

28

1	PLANS THAT MAKES FOLKS HAVE TO DO SOMETHING AS
2	OPPOSED TO WE'LL CONSIDER IT. AND THAT INCLUDES FOR
3	ME THE REVIEW TEAM WHO WILL SAY, "WELL, THAT'S GOOD.
4	WE'LL THINK ABOUT IT," INSTEAD OF IT BEING REQUIRED
5	AS ONE OF THE SCIENTIFIC SCORES. VERY HIGH, NOT
6	JUST
7	JUST AT THIS POINT IN TIME I'VE SEEN
8	ENOUGH RESEARCH APPLICATIONS WHERE THEY CHECK A BOX
9	AND THEN THEY DON'T LIVE UP TO THE EXPECTATION THAT
10	THEY DO MUCH BEYOND THE CHECKING THE BOX. AND SO
11	I'M WANTING US TO HOLD PEOPLE'S FEET TO THE FIRE AT
12	EVERY LEVEL, BE IT THE DEI SCORE OR BE IT AT THE
13	INCLUSION PLAN, THAT THERE ARE, IN FACT YOU LOSE
14	POINTS IF YOU DON'T HAVE A STRONG PLAN, PERIOD.
15	WHAT DO THEY SAY? NO STOP HERE. SORRY, OS. MAYBE
16	YOU CAN HELP WITH THAT ONE. BUT THIS IS WHERE I
17	THINK WE NEED TO BE NOW. AND GIVEN THE NUANCES WE
18	TALKED ABOUT THAT ART IS GOING TO LOOK INTO ABOUT IT
19	CAN'T BE JUST ON RACE, ET CETERA, ET CETERA, IN
20	TERMS OF THIS, I STILL THINK WE NEED TO GET AS CLOSE
21	TO THAT EDUCATION AS WE CAN WITH HOW MUCH WE CAN
22	MAKE PEOPLE RESPOND. THANKS.
23	DR. STEWARD: THANK YOU, YSABEL. I JUST
24	WANT TO REMIND EVERYBODY OF WHAT GIL SAID IN THE
25	BEGINNING. AND THAT IS THAT THE ISSUE OF INCLUSION
	29

1	IN THE CLINICAL ACTIVITIES IN ALL ASPECTS OF THE
2	PROPOSAL ITSELF IS ACTUALLY CRITERION 5. THAT IS
3	PART OF THE SCORED CRITERIA. IT'S NOT SCORED
4	SEPARATELY. THAT'S ACTUALLY IMPORTANT. SO THE DEI
5	SCORE IS SEPARATE FROM THAT ALTHOUGH YOU MIGHT
6	CONSIDER THIS IT IS OBVIOUSLY A CRITERION
7	RELATING TO INCLUSION, BUT IT IS PART OF THE
8	APPLICATION, IT'S SCORED, IT IS FACTORED INTO THE
9	OVERALL SCORE OF THE APPLICATION BY THE GRANTS
10	WORKING GROUP, WHICH, OF COURSE, INCLUDES PATIENT
11	ADVOCATES ON IT. SO, AGAIN, THE DEI THAT WE ARE
12	SORT OF TALKING ABOUT HERE, THAT SEPARATE SCORE,
13	RELATES TO THE OTHER ISSUE. THANK YOU. JUST TO SAY
14	AGAIN WHAT GIL SAID, BUT I JUST WANT TO MAKE IT
15	REALLY CRYSTAL CLEAR TO EVERYBODY AS WE ARE LOOKING
16	AT EVERYTHING GOING FORWARD. THANK YOU.
17	ANY OTHER QUESTIONS, COMMENTS?
18	DR. MARTIN: THIS IS DAVE MARTIN. I AM
19	HAVING DIFFICULTY, IT MAY BE MY COMPUTER, BUT
20	CERTAINLY THINGS ARE GETTING FROZEN, INCLUDING THE
21	AUDIO. BUT MY QUESTION OR TECHNICAL QUESTIONS THAT
22	ARE RELATED, THE FIRST IS CAN YOU SHARE WHAT THE
23	TARGET IS HERE FOR THIS CAR T? AND THEN THE SECOND
24	IS WHAT ELSE IS GOING ON AGAINST THAT TARGET WITH
25	OUR AUTOLOGOUS CAR T'S FOR PEDIATRIC BRAIN TUMORS?

30

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1	DR. SAMBRANO: CERTAINLY. SO THE TARGET
2	IS IL-13 RECEPTOR ALPHA 2. AND THIS IS THE SAME
3	TARGET THAT THE PREVIOUS TRIAL IN ADULT PATIENTS
4	THAT IS ONGOING IS ALSO DESIGNED TO TARGET. THE
5	OTHER ELEMENTS THIS TRIAL IS TRYING TO ASSESS IS THE
6	EFFECT OF LYMPHODEPLETION IN THE PATIENTS AS A
7	MECHANISM OF INCREASING THE EFFECTIVENESS OF THE CAR
8	T THERAPY AS WELL AS DOING AN INTRACRANIAL
9	VENTRICULAR ADMINISTRATION OF THE CAR T-CELL THERAPY
10	AND TESTING THAT IN THE PATIENTS.
11	SO THOSE TWO ADDITIONAL ELEMENTS ARE A
12	COMPONENT OF THIS TRIAL THAT I THINK MAKES IT UNIQUE
13	AMONG OTHER TRIALS THAT ARE ALSO TARGETING MALIGNANT
14	BRAIN TUMORS.
15	DR. MARTIN: AND IS THE TARGET THE SAME,
16	THE MOLECULAR TARGET THE SAME AS WHAT'S IN THE
17	FIELD?
18	DR. SAMBRANO: THE MOLECULAR TARGET IS NOT
19	NECESSARILY THE SAME. IT HAS BEEN STUDIED IN OTHER
20	TRIALS, BUT THERE ARE TRIALS THAT ARE TESTING OTHER
21	MOLECULAR TARGETS AS WELL.
22	DR. MARTIN: THANK YOU. I'LL MAKE ONE
23	OTHER COMMENT. BEING IN THIS BUSINESS, I'M VERY
24	COGNIZANT OF THE COST OF PHASE 1S. THIS IS
25	VERY QUITE HIGH COMPARED TO WHAT I'M AWARE OF FOR
	31

1	AUTOLOGOUS PHASE 1 STUDIES.
2	DR. DULIEGE: ALONG THOSE LINES, HOW MANY
3	HEALTHY PATIENTS, ACTUALLY IN THAT CASE, WOULD THAT
4	INCLUDE?
5	DR. SAMBRANO: YOU KNOW, THAT'S A GOOD
6	QUESTION. I DON'T HAVE THE ANSWER RIGHT IN FRONT OF
7	ME, BUT I CAN FIND IT VERY QUICKLY FOR YOU.
8	DR. DULIEGE: BECAUSE THE COST IS NOT
9	SOLELY RELATED TO THE NUMBER OF SUBJECTS, BUT IT IS
10	LARGELY INFLUENCED BY THAT NUMBER.
11	DR. SAMBRANO: SURE.
12	DR. DULIEGE: AND ALSO CAN WE KNOW OR
13	MAYBE DOES IT MATTER OR NOT WHETHER THIS APPLICATION
14	COMES FROM AN ACADEMIC CENTER VERSUS A BIOPHARMA
15	COMPANY? AND I ASSUME THAT WE CANNOT KNOW THAT AND
16	THAT IT SHOULD NOT INFLUENCE OUR ASSESSMENT OF THE
17	SCIENTIFIC MERIT OF THE PROPOSAL; IS THAT RIGHT?
18	DR. SAMBRANO: SO, YES, IT SHOULDN'T
19	INFLUENCE YOUR ASSESSMENT OF THE PROPOSAL, BUT I
20	THINK IT IS IMPORTANT TO KNOW THAT THERE IS A
21	DISTINCTION IN TERMS OF AN ACADEMIC ENTITY APPLYING
22	BECAUSE THERE ARE THE INDIRECT AND FACILITIES COSTS
23	THAT ARE GREATER SO THAT THAT INFLUENCES THE TOTAL
24	AMOUNT THAT IS OFTEN REQUESTED.
25	SO IN THIS CASE, BEING AN ACADEMIC
	32

1	INSTITUTION, SOME OF THE COSTS OR A SIGNIFICANT
2	AMOUNT OF COSTS ARE RELATED TO THAT AS WELL AND NOT
3	ALL DIRECT COSTS THAT ARE GOING TO THE TRIAL PER SE.
4	DR. DULIEGE: THANK YOU. VERY CLEAR.
5	DR. MARTIN: AND SOME EXAMPLES, AS I
6	UNDERSTAND IT OR RECALL, THE ACADEMIC INSTITUTIONS
7	HAVE WAIVED OR SIGNIFICANTLY REDUCED THE INDIRECT
8	COSTS THAT ARE IMPOSED.
9	DR. SAMBRANO: SO IT'S RARE FOR AN
10	ACADEMIC INSTITUTION TO WAIVE THE INDIRECT COSTS.
11	BUT CERTAINLY FOR A COMPANY, MANY DO AND CHOOSE TO
12	DO THAT, BUT ALSO THEY ARE LIMITED TO ONLY 35
13	PERCENT TOTAL FACILITIES COSTS. SO THEY GENERALLY
14	CANNOT CLAIM AS MUCH AS AN ACADEMIC INSTITUTION
15	WOULD.
16	DR. DULIEGE: BUT, GIL, THE REASON WHY WE
17	ARE SCHOOLING IS NOT SO MUCH ABOUT INDIRECT COSTS,
18	BUT JUST BETTER UNDERSTANDING OF THE ENTITY
19	PROPOSING THIS EFFORT THAT HOPEFULLY WE ARE ABOUT TO
20	FUND AS OTHER FINANCIAL LEVERAGES. YES, YOU'RE
21	RIGHT, THERE IS INDIRECT COSTS WITH AN ACADEMIC
22	INSTITUTION, BUT A BIOPHARMA COMPANY WOULD HAVE TO
23	PAY A HEFTY PRICE TO A CRO TO DO THE JOB, AND THAT
24	COMES, AGAIN, A CRO OR OTHER ACTUALLY ACADEMIC
25	INSTITUTION TO ENROLL VOLUNTEERS COMES WITH AN

33

1	INDIRECT COST. SO MY THOUGHTS WERE MORE I THINK
2	BIOPHARMA, IF IT WERE TO DO IT, AND I UNDERSTAND
3	IT'S NOT THE CASE, WOULD HAVE MORE LEVERAGE TO GET
4	SOURCES FROM OTHER FUNDING, PARTICULARLY ANGEL
5	INVESTORS. BUT I THINK HERE I'M GETTING BEYOND THE
6	POINT OF SCIENTIFIC MERIT, AND THAT'S WHERE THE
7	NUMBER OF SUBJECTS WOULD INFLUENCE POTENTIALLY OUR
8	ASSESSMENT OF THE VALUE OF THE COST VERSUS THE
9	OUTCOME.
10	DR. STEWARD: THANK YOU. I ACTUALLY I
11	DO AGREE PERHAPS THAT WE ARE GETTING INTO TERRITORY
12	THAT'S BEYOND OUR CONSIDERATION OF SCIENTIFIC MERIT,
13	NOT THAT IT SHOULDN'T BE CONSIDERED, BUT I'M NOT
14	SURE QUITE WHAT LEVEL OF DISCUSSION WE SHOULD HAVE
15	ABOUT IT. I SEE A HAND FROM STEVE JUELSGAARD HERE.
16	THANK YOU.
17	MR. JUELSGAARD: SO QUITE SOME TIME AGO,
18	YEARS AGO, THIS WHOLE ISSUE OF THE AMOUNT OF MONEY
19	THAT'S BEING ASKED FOR, DOES IT LINE UP WITH WHAT
20	THE WORK TO BE DONE IS? AND SO WE INSTITUTED A
21	BUDGET REVIEW PROCESS, OR AT LEAST AT THAT TIME WE
22	DID, WHERE THE PROGRAM WAS AN ISSUE TO BE SHIPPED
23	OFF TO SOMEBODY WHO WAS FAMILIAR WITH COSTS
24	ASSOCIATED WITH DOING TRIALS, AND THEY WERE TO GIVE
25	US A THUMBS UP OR THUMBS DOWN AS TO WHETHER OR NOT

34

1	THEY THOUGHT THAT THE COSTS THAT WOULD BE THE
2	AMOUNT OF MONEY THAT WAS BEING ASKED FOR WAS
3	APPROPRIATE FOR THE SCOPE OF WORK.
4	SO I DON'T KNOW WHETHER WE STILL DO THAT
5	OR NOT, AND I GUESS THAT'S REALLY MY QUESTION.
6	DR. SAMBRANO: SO WE
7	DR. STEWARD: YES, GIL, PLEASE.
8	DR. SAMBRANO: SO WE DON'T DO THAT. WE
9	ARE DOING IT IN-HOUSE. SO WHAT WE ASSESS IS
10	GENERALLY WHETHER THE COSTS ARE ALLOWABLE, WHETHER
11	THEY ARE COMPARABLE TO WHAT WE OBSERVE IN REAL COSTS
12	FROM OTHER AWARDS THAT WE'VE ISSUED. SO BASED ON
13	DATA THAT WE HAVE, WE MAKE THOSE COMPARISONS, BUT WE
14	HAVE NOT ACTUALLY FOR QUITE A WHILE PRESENTED IT TO
15	ANOTHER ENTITY TO DO A BUDGET REVIEW AS I THINK WE
16	HAD ORIGINALLY INTENDED SEVERAL YEARS AGO.
17	DR. STEWARD: THANK YOU, GIL. AND IF I
18	COULD JUST MAKE AN AMENDMENT TO MY STATEMENT. WHEN
19	I WAS TALKING ABOUT GETTING INTO TERRITORY THAT
20	PERHAPS IS BEYOND SCIENTIFIC MERIT, THAT REFERRED TO
21	CONSIDERATIONS OF INDIRECT COSTS. AND THAT'S WHERE
22	WE ACTUALLY HAVE DEFINED VALUES. IF YOU WANT, IT'S
23	ALL SORT OF FORMULAIC. THE ISSUE OF COST OF THE
24	RESEARCH PROGRAM ITSELF IS A SEPARATE ISSUE THAT, AT
25	LEAST IN MY OPINION, IS A TOPIC FOR DISCUSSION HERE.

35

1	BUT I JUST WANTED TO SEPARATE THOSE TWO. ONE IS
2	REALLY MORE TOTALLY CONTRACTUAL DEFINED BY LAW
3	ACTUALLY, AND THE OTHER IS SOMETHING THAT HOW MUCH
4	DOES RESEARCH ACTUALLY COST AND HOW MUCH ARE THEY
5	ASKING FOR IT. THANK YOU.
6	OTHER QUESTIONS OR COMMENTS?
7	DR. DULIEGE: INDEED, OS, I REALLY
8	APPRECIATE THAT YOU'RE MAKING THIS DISTINCTION WHICH
9	WE SHOULD ALL MAKE, BUT MY QUESTION TO GIL AND TO
10	THE CIRM IS THAT WE ARE VOTING FOR SCIENTIFIC MERIT.
11	WE GET IT. BUT IN ADDITION TO THAT, WAS THIS OR
12	WILL THERE BE THE REVIEW THAT STEVEN ALLUDED TO,
13	WHICH IS THE FINANCIAL CONSIDERATION? ARE THEY
14	ASKING TOO MUCH FOR WHAT THEY INTEND TO DO? AND HOW
15	WOULD THAT INFLUENCE ULTIMATELY THEM RECEIVING THE
16	GRANT?
17	DR. SAMBRANO: SO WE DO A BUDGET
18	ASSESSMENT, AGAIN, THAT IS PERIPHERAL AT THE
19	BEGINNING THAT IS DONE IN-HOUSE TO JUST ASSESS
20	WHETHER THEY HAVE THE APPROPRIATE GENERALIZED
21	BUDGET, BUT WE DO A MORE DETAILED BUDGET REVIEW
22	AFTER AN AWARD IS APPROVED. AND SO OFTENTIMES THERE
23	WILL BE COSTS THAT ARE REMOVED EITHER BECAUSE
24	THEY'RE NOT ALLOWABLE OR FOUND TO BE EXCESSIVE. AND
25	SO IN TERMS OF DETERMINING WHETHER A COST IS

1	EXCESSIVE, THAT CAN COME FROM THE GRANTS WORKING
2	GROUP. SO EITHER WE GET COMMENTARY FROM GRANTS
3	WORKING GROUP REVIEWERS THAT SUGGEST THAT WE LOOK AT
4	SPECIFIC ITEMS OR COSTS OR IN OUR COMPARISON TO
5	OTHER AWARDS THAT WE'VE ISSUED.
6	NOW, THE OTHER IMPORTANT THING TO NOTE IS
7	THAT THE AMOUNT THAT IS APPROVED IS BASICALLY THE
8	MAXIMUM AMOUNT THAT CAN BE ISSUED TO THAT AWARDEE OR
9	GRANTEE. AND SO THE REAL COSTS ARE MONITORED OVER
10	TIME BECAUSE WE HAVE AN ONGOING ASSESSMENT IN
11	PROGRESS OF THE PROJECT. SO IN MANY CASES THE TOTAL
12	AWARD AMOUNT THAT'S APPROVED IS NOT NECESSARILY
13	SPENT GIVEN THE OVERSIGHT OVER THE PERIOD OF THE
14	AWARD.
15	AND THEN JUST I WANT TO ADD THAT YOU WERE
16	ASKING FOR THE NUMBER OF PATIENTS IN THIS STUDY
17	WHICH IS 22 FOR THIS PARTICULAR ONE.
18	DR. DULIEGE: THANK YOU. VERY CLEAR.
19	VERY HELPFUL.
20	MS. LEWIS: GIL, CAN I JUMP IN REALLY
21	QUICK. JUST WANT TO ADD SO WE DO DO, AS GIL
22	MENTIONED, A BENCHMARKING OF THE INTERNAL PORTFOLIO.
23	AND SO WE DID AN ANALYSIS OF SIMILAR PROJECTS IN CAR
24	T THAT ARE AUTOLOGOUS. AND THIS CAME IN THAT THE
25	COST PER PATIENT RANKED AMONGST THOSE PROGRAMS AT
	37

1	THE 41 PERCENTILE. SO IT'S ON THE LOWER END IN
2	COMPARISON TO THE REST OF THE PORTFOLIO. NOW,
3	AGAIN, THAT'S NOT ASSESSING EACH INDIVIDUAL COST IN
4	A GRANULAR WAY, BUT THAT JUST GIVES YOU A BROADER
5	PORTFOLIO PERSPECTIVE OF THE BENCHMARKING IF THAT
6	HELPS IN CONSIDERING THIS REQUEST.
7	DR. STEWARD: THANK YOU. THAT'S VERY
8	HELPFUL. MUCH APPRECIATED.
9	OKAY. I THINK WE ARE TO THE POINT WHERE
10	WE NEED A MOTION. DO I HEAR A MOTION?
11	DR. DULIEGE: I'M HAPPY TO DO A MOTION.
12	MR. ROWLETT: THIS IS AL. I'LL SECOND.
13	DR. STEWARD: ALL RIGHT. I TAKE IT THAT
14	WAS A MOTION TO APPROVE, BUT JUST TO SAY THAT OUT
15	LOUD. ANY FURTHER DISCUSSION BY THE BOARD? DO WE
16	HAVE PUBLIC COMMENT?
17	MS. BONNEVILLE: I DON'T SEE ANY HANDS
18	RAISED.
19	DR. STEWARD: OKAY. EXCELLENT. SO,
20	MARIA, COULD YOU CALL THE ROLL.
21	MS. BONNEVILLE: SURE. DAN BERNAL.
22	MR. BERNAL: AYE.
23	MS. BONNEVILLE: ANNE-MARIE DULIEGE.
24	DR. DULIEGE: YES.
25	MS. BONNEVILLE: YSABEL DURON.
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1	MS. DURON: YES.
2	MS. BONNEVILLE: MARK FISCHER-COLBRIE.
3	DR. FISCHER-COLBRIE: YES.
4	MS. BONNEVILLE: ELENA FLOWERS.
5	DR. FLOWERS: YES.
6	MS. BONNEVILLE: DAVID HIGGINS.
7	DR. HIGGINS: YES.
8	MS. BONNEVILLE: STEVE JUELSGAARD.
9	MR. JUELSGAARD: YES.
10	MS. BONNEVILLE: DAVE MARTIN. DAVE. CAN
11	I SEE YOU? CHRISTINE MIASKOWSKI. LAUREN MILLER
12	ROGEN.
13	MS. MILLER-ROGEN: YES.
14	MS. BONNEVILLE: ADRIANA PADILLA.
15	DR. PADILLA: YES.
16	MS. BONNEVILLE: JOE PANETTA.
17	MR. PANETTA: YES.
18	MS. BONNEVILLE: AL ROWLETT.
19	MR. ROWLETT: YES.
20	MS. BONNEVILLE: OS STEWARD.
21	DR. STEWARD: YES.
22	MS. BONNEVILLE: JONATHAN THOMAS.
23	CHAIRMAN THOMAS: YES.
24	MS. BONNEVILLE: ART TORRES.
25	MR. TORRES: AYE.
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1	MS. BONNEVILLE: KAROL WATSON.
2	DR. WATSON: YES.
3	MS. BONNEVILLE: DIANE WINOKUR. THANK
4	YOU. AND THE MOTION CARRIES.
5	DR. STEWARD: EXCELLENT. SO THANKS,
6	EVERYBODY. THAT WAS A GREAT WAY TO START TO HAVE A
7	THOROUGH DISCUSSION ABOUT ALL THE DIFFERENT ASPECTS
8	THAT WE'RE GOING TO BE CONSIDERING HERE. SO I'M IN
9	CONFLICT ON THE NEXT APPLICATION, SO WILL PASS THE
10	GAVEL, SO TO SPEAK, OVER TO J.T., AND I WILL SIGN
11	OFF. THANK YOU.
12	CHAIRMAN THOMAS: THANK YOU VERY MUCH, OS.
13	THAT WAS A GREAT DISCUSSION BOTH ON THE INCLUSION
14	DEI ELEMENTS AS WELL AS THE QUESTIONS ON THE BUDGET
15	FOR THAT AWARD. AND I THINK BOTH ARE HIGHLY TOPICAL
16	AND VERY HELPFUL. SO THANK YOU, EVERYBODY, FOR YOUR
17	INPUT ACROSS THE BOARD.
18	SO WE ARE ON TO OUR SECOND AND FINAL
19	APPLICATION. WE WILL START WITH A PRESENTATION BY
20	GIL.
21	DR. SAMBRANO: THANK YOU. SO THE NEXT
22	APPLICATION IS 12149. THIS IS AN MONOCLONAL
23	ANTIBODY TARGETING LEUKOCYTE IMMUNOGLOBULIN-LIKE
24	RECEPTOR B4, AND THE INDICATION IS ACUTE MYELOID
25	LEUKEMIA WITH MONOCYTIC DIFFERENTIATION AND CHRONIC
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MYELOMONOCYTIC LEUKEMIA OR CMML. AND THE GOAL OF
THIS APPLICATION IS TO COMPLETE A PHASE 1 TRIAL.
THE FUNDS REQUESTED IS 6 MILLION. THE APPLICANT IS
PROVIDING APPROXIMATELY 3 MILLION IN CO-FUNDING FOR
THIS APPLICATION.
A LITTLE BIT ABOUT AML. THERE'S ABOUT
20,000 NEW CASE OF AML THAT ARE DIAGNOSED EACH YEAR
IN THE U.S. WITH A FIVE-YEAR SURVIVAL RATE OF ABOUT
29 PERCENT. CHRONIC MYELOMONOCYTIC LEUKEMIA HAS AN
INCIDENCE OF ABOUT 4 PER MILLION PEOPLE, BUT ABOUT
15 TO 30 PERCENT OF THOSE CASES WILL ADVANCE TO AML.
THE PROPOSED THERAPY TARGETS THIS SUBSET
OF AML WHICH REPRESENTS ABOUT 30 PERCENT OF AML, AND
SOME THERAPEUTIC OPTIONS ARE NOT EFFECTIVE IN THE
SUBPOPULATION OF PATIENTS, AND THE PROPOSED THERAPY
OFFERS A NEW AND POTENTIALLY EFFECTIVE OPTION IN
THESE PATIENTS.
WHY IS THIS A STEM CELL PROJECT? THE
PROPOSED THERAPEUTIC CANDIDATE TARGETS CANCER STEM
CELLS AS THE PRIMARY MECHANISM OF ACTION.
SO IN TERMS OF RELATED CIRM PORTFOLIO
PROJECTS, WE SUPPORT SEVERAL PROJECTS THAT BROADLY
IMPACT LEUKEMIAS AND LYMPHOMAS; HOWEVER, AT LEAST
CURRENTLY ACTIVE WE DON'T HAVE ANY IN THE PORTFOLIO.
WE HAVE HAD TWO PREVIOUS TRIALS THAT WERE RELATED TO
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1	AML THAT WE SUPPORTED, BUT NONE THAT SPECIFICALLY
2	TARGET MYELOMONOCYTIC OR MONOCYTIC AML. AND THIS
3	PARTICULAR APPLICANT DOES NOT HAVE PREVIOUS CIRM
4	FUNDING.
5	THE GRANTS WORKING GROUP RECOMMENDATION
6	FOR THIS APPLICATION IS A SCORE OF 1, MEANING IT HAS
7	EXCEPTIONAL MERIT. THERE WERE 11 MEMBERS THAT
8	SCORED THIS A 1. THERE WAS ONE MEMBER THAT SCORED
9	THIS A 2 AND NO MEMBERS THAT SCORED THIS A 3. THE
10	DEI SCORE IN THIS CASE IS A 10. THE CIRM TEAM
11	RECOMMENDATION IS TO FUND THIS APPLICATION IN
12	CONCURRENCE WITH THE GWG RECOMMENDATION FOR AN AWARD
13	AMOUNT OF 6 MILLION. J.T.
14	CHAIRMAN THOMAS: THANK YOU, GIL. DO WE
15	HAVE A MOTION TO APPROVE?
16	DR. HIGGINS: SO MOVED. THIS IS DAVID IN
17	SAN DIEGO.
18	CHAIRMAN THOMAS: THANK YOU, DAVID. IS
19	THERE A SECOND?
20	MS. DURON: SECOND. YSABEL.
21	CHAIRMAN THOMAS: THANK YOU, YSABEL.
22	QUESTIONS OR COMMENTS BY MEMBERS OF THE BOARD?
23	DR. HIGGINS: THIS IS DAVID IN SAN DIEGO.
24	I JUST WANTED TO, AS A REVIEWER FOR THE DEI ASPECT
25	OF THIS GRANT, I WAS I DON'T HAVE A LOT OF
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1	EXPERIENCE REVIEWING THIS KIND OF THING, BUT WITH
2	THAT CAVEAT I WAS INCREDIBLY IMPRESSED WITH HOW
3	CREATIVE AND HOW MANY DIFFERENT WAYS THEY CAME TO
4	THE SAME GOAL OF PROMOTING DIVERSITY. VERY
5	IMPRESSED.
6	CHAIRMAN THOMAS: THANK YOU, DAVID. OTHER
7	QUESTIONS OR COMMENTS BY MEMBERS OF THE BOARD?
8	MS. DURON: YSABEL HERE. SIMPLY BACK TO
9	DAVID. I'D CERTAINLY LOVE TO HEAR MORE. PERHAPS WE
10	CAN TAKE AN OCCASION TO TALK ABOUT WHAT LOOKS
11	CREATIVE VERSUS WHAT IS NOT AND THINGS WE CAN
12	RECOMMEND AS BEST PRACTICE KIND OF PROGRAMS AND
13	PROJECTS.
14	DR. HIGGINS: I WOULD LOVE TO DO THAT. I
15	NEED THAT KIND OF EDUCATION TRAINING. I WOULD LOVE
16	TO DO THAT.
17	MS. DURON: THANK YOU.
18	CHAIRMAN THOMAS: OTHER COMMENTS?
19	MR. ROWLETT: THIS IS AL. TO YSABEL'S
20	POINT, WE MADE SOME RECOMMENDATIONS OR I MADE SOME
21	RECOMMENDATIONS TO STAFF REGARDING WHAT CRITERIA
22	THEY MIGHT WANT TO CONSIDER AND HOW THEY MIGHT WANT
23	TO ADVISE FUTURE APPLICATIONS AND IN WHAT CONTEXT
24	THEY MIGHT WANT TO CONVENE REVIEWERS TO HAVE
25	DISCUSSIONS IN ORDER TO ADVANCE PROCESS IMPROVEMENT.
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1	SO WE ARE CERTAINLY THINKING THE SAME WAY, YSABEL.
2	MS. DURON: THAT'S GREAT, AL. THANKS.
3	CHAIRMAN THOMAS: THANK YOU ALL. OTHER
4	COMMENTS BY MEMBERS OF THE BOARD? ARE THERE
5	COMMENTS FROM MEMBERS OF THE PUBLIC?
6	MS. BONNEVILLE: THERE ARE NONE.
7	CHAIRMAN THOMAS: HEARING NONE, MARIA,
8	WILL YOU PLEASE CALL THE ROLL.
9	MS. BONNEVILLE: YES. DAN BERNAL.
10	MR. BERNAL: AYE.
11	MS. BONNEVILLE: ANNE-MARIE DULIEGE.
12	DR. DULIEGE: YES.
13	MS. BONNEVILLE: YSABEL DURON.
14	MS. DURON: YES.
15	MS. BONNEVILLE: MARK FISCHER-COLBRIE.
16	DR. FISCHER-COLBRIE: YES.
17	MS. BONNEVILLE: DAVID HIGGINS.
18	DR. HIGGINS: YES.
19	MS. BONNEVILLE: STEVE JUELSGAARD.
20	MR. JUELSGAARD: YES.
21	MS. BONNEVILLE: DAVE MARTIN.
22	DR. MARTIN: YES. AND I ALSO TRIED TO
23	VOTE YES ON THE PREVIOUS ONE JUST FOR COMPLETION.
24	MS. BONNEVILLE: THANK YOU.
25	DR. MARTIN: BUT JUST UNSTABLE I.T.
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1	MS. BONNEVILLE: NO PROBLEM. THANK YOU SO
2	MUCH FOR CLARIFYING THAT.
3	LAUREN MILLER ROGEN.
4	MS. MILLER-ROGEN: YES.
5	MS. BONNEVILLE: ADRIANA PADILLA.
6	DR. PADILLA: YES.
7	MS. BONNEVILLE: JOE PANETTA.
8	MR. PANETTA: YES.
9	MS. BONNEVILLE: AL ROWLETT.
10	MR. ROWLETT: YES.
11	MS. BONNEVILLE: JONATHAN THOMAS.
12	CHAIRMAN THOMAS: YES.
13	MS. BONNEVILLE: KAROL WATSON.
14	DR. WATSON: YES.
15	MS. BONNEVILLE: THANK YOU. AND DIANE
16	WINOKUR. THANK YOU SO MUCH. THAT MOTION CARRIES.
17	CHAIRMAN THOMAS: THANK YOU, MARIA. THAT
18	CONCLUDES THE ACTION ITEMS. WE ARE NOW DOWN TO
19	PUBLIC COMMENT ON ANY TOPIC ANYBODY WOULD LIKE TO
20	DISCUSS. DO WE HAVE ANY SUCH PUBLIC COMMENT?
21	MS. BONNEVILLE: NO.
22	CHAIRMAN THOMAS: OKAY. IN THAT CASE,
23	MARIA, COULD YOU JUST REMIND EVERYBODY WHEN THE NEXT
24	MEETING OF THE ICOC WILL BE?
25	MS. BONNEVILLE: SURE. WE HAVE A MAY
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1	MEETING, SO THANKS TO EVERYONE WHO RESPONDED AND IS
2	ALLOWING US TO HAVE A MEETING BY ATTENDING. WE HAVE
3	QUORUM FOR MAY 17TH FROM TWELVE TO THREE. THERE
4	WILL BE ACTION ITEMS FOR THE FULL BOARD TO CONSIDER.
5	THAT SHOULD PROBABLY TAKE ABOUT AN HOUR OR AN HOUR
6	AND A HALF AT MOST. AND THEN THE REST OF THE TIME
7	WILL BE FOR THE APPLICATION REVIEW SUBCOMMITTEE TO
8	CONSIDER TRANSLATION PROJECT APPLICATIONS. SO THANK
9	YOU.
10	MR. TORRES: MARIA, DID I MISS A VOTE
11	BECAUSE I WAS MUTED?
12	MS. BONNEVILLE: NO.
13	MR. TORRES: OKAY.
14	MS. BONNEVILLE: THANK YOU. YOU'RE ALL
15	GOOD. THANKS, ART.
16	CHAIRMAN THOMAS: OKAY. WELL, I THINK
17	THAT CONCLUDES THINGS UNTIL MAY 17TH. EVERYBODY
18	HAVE A WONDERFUL SPRING, AND WE WILL SEE YOU ALL
19	THEN. THANKS VERY MUCH.
20	MS. BONNEVILLE: THANKS, EVERYONE.
21	(THE MEETING WAS THEN CONCLUDED AT 11 A.M.)
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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 ZOOM PROCEEDINGS BEFORE THE APPLICATION REVIEW SUBCOMMITTEE OF THE CALIFORNIA INSTITUTE FOR REGENERATIVE MEDICINE IN THE MATTER OF ITS REGULAR MEETING HELD ON APRIL 20, 2021, WAS HELD AS HEREIN APPEARS AND THAT THIS IS THE ORIGINAL TRANSCRIPT THEREOF AND THAT THE STATEMENTS THAT APPEAR IN THIS TRANSCRIPT WERE REPORTED STENOGRAPHICALLY BY ME AND TRANSCRIBED BY ME. I ALSO CERTIFY THAT THIS TRANSCRIPT IS A TRUE AND ACCURATE RECORD OF THE PROCEEDING.

BETH C. DRAIN, CA CSR 7152 133 HENNA COURT SANDPOINT, IDAHO (208) 920-3543

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