

BEFORE THE
SCIENTIFIC AND MEDICAL ACCOUNTABILITY
STANDARDS WORKING GROUP OF THE
INDEPENDENT CITIZENS' OVERSIGHT COMMITTEE
TO THE
CALIFORNIA INSTITUTE FOR REGENERATIVE MEDICINE
ORGANIZED PURSUANT TO THE
CALIFORNIA STEM CELL RESEARCH AND CURES ACT
REGULAR MEETING

LOCATION: AS INDICATED ON THE AGENDA

DATE: TUESDAY, OCTOBER 1, 2013
9 A.M.

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

BRS FILE NO.: 95127

BARRISTERS' REPORTING SERVICE

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ITEM DESCRIPTION	PAGE NO.
1. WELCOME	4
2. CALL TO ORDER & ROLL CALL	3
3. REVIEW CONCEPT PROPOSAL FOR ALPHA CLINICS REQUEST FOR APPLICATIONS AND CONSIDER REGULATORY AMENDMENTS EMANATING FROM 2013 ESCRO WORKSHOP.	5
4. REVIEW DISCUSS PROJECT DRAFT RECOMMENDATIONS, RECEIVE COMMENTS FROM SWG, AND CONSIDER ENDORSEMENT OF PROJECT.	36
5. UPDATE ON PROGRESS OF CIRM IPSC BANK AND DONOR CONSENT PROTOCOL.	91
6. PUBLIC COMMENT	NONE

BARRISTERS' REPORTING SERVICE

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TUESDAY, OCTOBER 1, 2013

9 A.M.

DR. LOMAX: THIS IS GEOFF LOMAX. I'D JUST
REMINDE FOLKS FOR THE SAKE OF THE RECORDER IF YOU
COULD MENTION YOUR NAME. I'M SURE SHE RECOGNIZES A
LOT OF YOU, BUT IT'S HELPFUL.

FOR ROLL, SHERRY LANSING.

MS. LANSING: HERE.

DR. LOMAX: BERNARD LO.

CHAIRMAN LO: HERE.

DR. LOMAX: JEFFREY BOTKIN.

DR. BOTKIN: HERE.

DR. LOMAX: MARCY FEIT. TIMOTHY KAMP.

DR. KAMP: HERE.

DR. LOMAX: FRANCISCO PRIETO. TED PETERS.

DR. PETERS: HERE.

DR. LOMAX: DOROTHY ROBERTS.

DR. ROBERTS: HERE.

DR. LOMAX: JEFF SHEEHY.

MR. SHEEHY: HERE.

DR. LOMAX: PAT TAYLOR. JONATHAN THOMAS.

CHAIRMAN THOMAS: HERE.

DR. LOMAX: JOHN WAGNER. ROBERT TAYLOR.

SOUNDS LIKE ROBERT TAYLOR HASN'T JOINED US YET, BUT

BARRISTERS' REPORTING SERVICE

1 HE MAY BE JOINING THE CALL. VERY GOOD.

2 BERNIE, DID YOU HAVE COMMENTS, REMARKS
3 YOU'D LIKE TO MAKE TO OPEN THE MEETING?

4 CHAIRMAN LO: I JUST WANTED TO FIRST START
5 BY THANKING EVERYBODY FOR COMING. GEOFF AND HIS
6 COLLEAGUES AT CIRM HAVE PUT TOGETHER AN INTERESTING
7 AGENDA AND SEVERAL ITEMS WHERE THEY WANT NOT ONLY
8 OUR FEEDBACK, BUT ACTUALLY FOR US TO TAKE ACTION.
9 WE'LL TRY AND HIGHLIGHT THAT.

10 THERE'S A LOT OF EXCITING THINGS GOING ON
11 IN THE STEM CELL WORLD AND AT CIRM. GEOFF AND
12 OTHERS WILL BE TELLING US ABOUT SOME OF THE NEW
13 THINGS IN CIRM PARTICULARLY WITH REGARD TO BOTH THE
14 ALPHA CLINICS INITIATIVE AND THE STEM CELL BANKING
15 FOR INDUCED PLURIPOTENT STEM CELLS.

16 I WANT TO SAY I'M GOING TO HAVE TO LEAVE A
17 LITTLE BIT EARLY TO MAKE A DASH TO THE AIRPORT HERE
18 IN DC. IF I NEED TO DO THAT, WE'RE GOING TO DO A
19 SEAMLESS -- A BLIND, UNSEAMLESS PATH TO JEFF BOTKIN,
20 WHO WILL CONTINUE TO CHAIR THE MEETING.

21 SHERRY, DO YOU WANT TO ALSO --

22 MS. LANSING: I DON'T HAVE MUCH TO ADD.
23 AS ALWAYS, BERNIE, YOU DID A GREAT JOB. I JUST
24 AGAIN WANT TO THANK ALL OF YOU, SOME OF YOU HAVE
25 BEEN HERE SINCE THE BEGINNING, AND WELCOME OUR NEW

BARRISTERS' REPORTING SERVICE

1 MEMBERS FOR THE EXTRAORDINARY AMOUNT OF TIME THAT
2 YOU ARE DEDICATING TO CIRM AND ALSO EVEN MORE
3 IMPORTANT THE EXTRAORDINARY WISDOM.

4 THIS IS REALLY A VERY EXCITING TIME FOR
5 CIRM BECAUSE, AS WE ENTER CLINICAL TRIALS, THIS IS
6 WHAT THOSE OF US WHO ARE PATIENT ADVOCATES HAVE
7 ALWAYS DREAMED ABOUT, THAT THERE WOULD BE THESE
8 CLINICAL TRIALS. AND THEN, OF COURSE, THAT PUTS AN
9 INCREDIBLE BURDEN ON THE STANDARDS GROUP. SO I
10 THINK TODAY IS AN EXCITING DAY AS WE LOOK AT THE
11 PROPOSAL FOR THE ALPHA CLINICS AS WELL AS THE OTHER
12 PROPOSALS THAT WE'RE TALKING ABOUT.

13 DR. LOMAX: THANK YOU, BERNIE. THANK YOU,
14 SHERRY. GEOFF LOMAX AGAIN. I WANTED TO JUST GIVE A
15 LITTLE BIT OF INTRODUCTION AND CONTEXT TO THE
16 PRESENTATION WHICH, BY THE WAY, SHOULD NOW BE
17 AVAILABLE TO YOU IF YOU ARE TAKING ADVANTAGE OF THE
18 WEBEX SERVICE.

19 SO THIS IS A SUMMARY OF WHAT WAS PRESENTED
20 TO THE ICOC AND APPROVED. AND WHAT WE'VE DONE IS WE
21 BEGIN TO SORT OF LOOK AT SORT OF A REEVALUATION OF
22 OUR REGULATIONS IN ADVANCE OF THIS INITIATIVE AND IS
23 PART OF THE BRIEFING MATERIALS, SO THE PRESENTATION
24 WILL BE AN OVERVIEW OF THE SUBSTANCE. AS PART OF
25 THE BRIEFING MATERIALS, YOU HAVE A SUMMARY OF SOME

BARRISTERS' REPORTING SERVICE

1 OF THE WORK WE'VE BEEN DOING TO EVALUATE OUR
2 REGULATORY FRAMEWORK AS WE MOVE INTO THE ALPHA
3 CLINICS INITIATIVE.

4 WHAT I'D FIRST LIKE TO DO IS INTRODUCE THE
5 TWO SCIENCE OFFICERS WHO ARE LEADING THE DEVELOPMENT
6 OF THE RFA. AND THEY HAVE BEEN RECEIVING INPUTS ALL
7 ALONG THE PROCESS TO ENSURE THAT THE RFA REFLECTS
8 BOTH THE SCIENTIFIC EXCELLENCE AND THE POLICY
9 CONSIDERATIONS THAT CIRM SHOULD BE PUTTING FORWARD.
10 SO THAT'S MARIA MILLAN AND NATALIE DEWITT, WHO ARE
11 GOING TO LEAD YOU THROUGH AN INTRODUCTION TO THE
12 PROGRAM. AND IN PARTICULAR I'VE ASKED THEM TO
13 HIGHLIGHT ASPECTS OF THE PROGRAM WHICH ARE REALLY A
14 DIRECT RESPONSE TO PREVIOUS POLICY CONSIDERATIONS
15 THAT THE STANDARDS WORKING GROUP HAS RAISED IN TERMS
16 OF CLINICAL READINESS FOR STEM CELL THERAPIES. SO
17 IF I CAN TURN THAT OVER TO MY COLLEAGUES. AND I
18 THINK THE FORMAT WOULD BE TRY TO MOVE THROUGH THE
19 PRESENTATIONS FAIRLY QUICKLY, AND THEN WE'LL HAVE A
20 STOPPING POINT WHERE FOLKS CAN ASK QUESTIONS AND WE
21 CAN HAVE SOME DISCUSSIONS ABOUT THE PROGRAM ITSELF.

22 DR. DEWITT: GOOD MORNING, EVERYBODY.
23 THIS IS NATALIE DEWITT, SO I'M GOING TO START OFF
24 THE PRESENTATION AND THEN HAND IT OVER TO MARIA
25 MILLAN.

BARRISTERS' REPORTING SERVICE

1 SO THE GOAL OF THE ALPHA CLINICS
2 INITIATIVE IS TO ADDRESS UNMET NEEDS IN THE CLINICAL
3 INFRASTRUCTURE FOR STEM CELL THERAPIES, BOTH FOR
4 CLINICAL TESTING AND FOR THE EVENTUAL DELIVERY OF
5 THESE NOVEL KINDS OF MEDICINE. THIS IS AN OPPORTUNE
6 TIME TO BEGIN ANTICIPATING WHAT IS GOING TO BE
7 NEEDED AND TO START PUTTING THIS INFRASTRUCTURE IN
8 PLACE SO THAT THIS CLINICAL RESEARCH CAN TAKE PLACE
9 WITH THE MAXIMUM EFFICIENCY AND SAFETY.

10 AS YOU ALL ARE WELL AWARE, CIRM IS FUNDING
11 A ROBUST PIPELINE OF PROJECTS THAT ARE HEADED TO THE
12 CLINICS IN THE NEXT FEW YEARS FOR CLINICAL TESTING.
13 THE CHALLENGES OF TESTING THESE THERAPIES IS
14 COMPOUNDED BY THE FACT THAT STEM CELL-BASED PRODUCTS
15 PRESENT UNIQUE CHALLENGES IN THEIR DEVELOPMENT,
16 TESTING, AND DELIVERY TO PATIENTS. SO THIS IS GOING
17 TO REQUIRE SPECIALIZED EXPERTISE WHICH THE ALPHA
18 CLINICS NETWORK IS BEING DESIGNED TO PROVIDE.

19 SO THE MAIN GOALS OF THE ALPHA STEM CELL
20 CLINICS NETWORK IS SUMMARIZED ON THIS SLIDE. THE
21 FIRST IS TO DELIVER CLINICAL TRIALS. AND THIS IS TO
22 DEVELOP RESOURCES THAT WILL BE DEFINED FOR EFFECTIVE
23 AND EFFICIENT DESIGN AND EXECUTION OF CLINICAL
24 TRIALS FOR INVESTIGATIVE STEM CELL PRODUCTS.

25 AS THE CLINICAL TRIALS ARE MOVED FORWARD,

BARRISTERS' REPORTING SERVICE

1 THE ALPHA CLINICS WILL ALSO BE POSITIONED TO BECOME
2 THE GO-TO PLACE FOR THE DELIVERY OF THESE THERAPIES.
3 THEY'LL BECOME THE CENTER OF EXCELLENCE FOR DELIVERY
4 OF STEM CELL-BASED THERAPIES THAT HAVE BEEN PROVEN
5 SAFE AND EFFECTIVE.

6 THIS WILL ALSO BECOME -- THE NETWORK WILL
7 BECOME A SOURCE OF DATA AND INFORMATION, A MECHANISM
8 FOR COMPILING INFORMATION ABOUT CLINICAL TRIAL
9 EXPERIENCE AND OUTCOMES AND COLLECTING DATA TO
10 INFORM RESEARCH, CLINICAL, REGULATORY, AND
11 REIMBURSEMENT DECISIONS.

12 ANOTHER IMPORTANT ASPECT OF THE NETWORK
13 WILL BE INFORMING THE PUBLIC ABOUT STEM CELL
14 THERAPIES. THIS WILL INCLUDE EDUCATION, OUTREACH,
15 AND TRAINING ABOUT CLINICAL TRIALS AND AVAILABLE
16 THERAPIES, AND THE POTENTIAL DANGERS OF UNPROVEN
17 PROCEDURES.

18 AND FINALLY, ALL OF THESE ACTIVITIES WILL
19 INFORM HEALTHCARE ECONOMICS. AND THE NETWORK WILL
20 SERVE AS THE PROVING GROUND TO DEVELOP BUSINESS
21 MODELS AND TO DEVELOP EVIDENCE-BASED AND STRATEGIES
22 FOR REIMBURSEMENT.

23 TO REALLY FOCUS ON THE AREAS OF UNMET
24 NEED, THE FOCUS OF ALPHA STEM CELL CLINICS NETWORK
25 WILL BE AROUND STEM CELL-DERIVED PRODUCTS THAT ARE

BARRISTERS' REPORTING SERVICE

1 NOVEL AS OPPOSED TO MODIFICATIONS OF THERAPIES THAT
2 ARE CURRENTLY IN MEDICAL PRACTICE. IN ADDITION, THE
3 FOCUS WILL BE ON PROCEDURES THAT REQUIRE
4 TRANSPLANTATION OR INFUSION OF CELLS AS OPPOSED TO
5 SMALL MOLECULES OR BIOLOGICS.

6 SO THE ALPHA CLINICS NETWORKS WILL BE
7 COMPRISED OF FIVE CLINICAL SITES THAT WILL BE
8 DISTRIBUTED THROUGHOUT CALIFORNIA. AT THESE
9 CLINICAL SITES, WHICH WILL BE LOCATED IN ACADEMIC
10 MEDICAL CENTERS, THE SITES WILL CONDUCT CLINICAL
11 TRIALS. THEY'LL PROVIDE COUNSELORS FOR PATIENT
12 EDUCATION AND COUNSELING. AND AS THESE THERAPIES
13 BECOME APPROVED, THEY'LL BECOME A SITE FOR DELIVERY
14 OF APPROVED THERAPIES.

15 THERE WILL ALSO TO BE A COORDINATING AND
16 INFORMATION MANAGEMENT CENTER THAT WILL HAVE A STAFF
17 OF FIVE TO TEN PEOPLE WHO WILL BE CHARGED WITH THE
18 OUTREACH, EDUCATION, AND TRAINING ASPECTS. THEY'LL
19 PROVIDE CONSULTING SERVICES ON THE CLINICAL,
20 REGULATORY, AND BIostatISTICS, AS WELL AS ANY OTHER
21 SPECIFIC EXPERTISE AROUND STEM CELL THERAPIES, BUT
22 IT'S RELATIVELY DIFFICULT TO COME BY THESE DAYS.

23 THERE WILL ALSO BE A PATIENT REGISTRY AND
24 DATABASE OF THE CLINICAL TRIAL DATA AND INFORMATION.
25 AND THERE'LL BE STAFF WHO WILL BE KNOWLEDGEABLE

BARRISTERS' REPORTING SERVICE

1 ABOUT HEALTHCARE ECONOMICS AND BUSINESS DEVELOPMENT.

2 SO THE LONG-TERM VISION IS TO ESTABLISH A
3 ROBUST NETWORK FOR TESTING AND DELIVERY OF STEM
4 CELL-BASED THERAPIES. IN THIS DIAGRAM YOU CAN SEE
5 THE CLINICS WHICH WILL BE CONNECTED BY THIS
6 COORDINATING AND INFORMATION MANAGEMENT CENTER. AND
7 THE SQUARES DEPICT CLINICAL TRIALS THAT WILL COME IN
8 THROUGH BOTH ACADEMIC AND INDUSTRIAL CLINICAL TRIAL
9 SPONSORS WHO WILL RUN THEIR CLINICAL TRIALS AT THE
10 CLINICAL SITE AND WHO WILL ENGAGE WITH THE
11 COORDINATION AND INFORMATION MANAGEMENT CENTER TO
12 GAIN EXPERTISE IN SERVICES.

13 NOW I'M GOING TO PASS THE PRESENTATION
14 OVER TO MARIA WHO CAN TALK A LITTLE BIT MORE
15 SPECIFICALLY ABOUT WHAT THESE SITES WILL LOOK LIKE.

16 DR. MILLAN: GOOD MORNING. SO IN THE NEXT
17 FEW SLIDES, WHAT WE'D LIKE TO DO IS JUST GIVE AN
18 OVERVIEW OF HOW THIS CIRM-FUNDED ALPHA STEM CELL
19 CLINIC NETWORK WOULD SERVE THE COMMUNITY AND
20 PATIENTS AND THE RESEARCH AND MEDICAL AND CLINICAL
21 COMMUNITY.

22 CURRENTLY WHEN PATIENTS WITH DEBILITATING
23 DISORDERS OR DISEASES ARE SEEKING INFORMATION ON
24 WHICH TO LOOK INTO POTENTIAL STEM CELL TREATMENT,
25 THEY DON'T HAVE ANY RELIABLE PLACE TO GO. THEY MAY

BARRISTERS' REPORTING SERVICE

1 SEARCH THE INTERNET. THEY MAY TRY TO GET
2 INFORMATION FROM THEIR HEALTHCARE PROVIDERS OR THEIR
3 DOCTORS, BUT OFTEN THAT INFORMATION IS NOT AVAILABLE
4 EVEN TO THEM. SO WITH ALPHA CLINICS RESIDENT WITHIN
5 MAJOR MEDICAL CENTERS AND REPUTABLE CENTERS
6 THROUGHOUT CALIFORNIA, THESE PATIENTS AND THEIR
7 FAMILIES WOULD NOW HAVE SOMEWHERE TO GO.

8 THEY WOULD HAVE ACCESS TO HIGH QUALITY
9 UPDATED INFORMATION VIA THE COUNSELORS WHO WOULD BE
10 ARMED WITH THIS INFORMATION THAT'S BEEN VETTED AND
11 COORDINATED OR COMPILED THROUGH THE COORDINATION AND
12 INFORMATION MANAGEMENT CENTER AND BE ABLE TO HELP
13 SORT THROUGH THIS INFORMATION AND INFORM THE
14 PATIENT. THE PATIENTS, WHETHER THEY END UP
15 ENROLLING IN A TRIAL IN THAT CLINIC, RECEIVING
16 TREATMENT THERE OR ELSEWHERE OR NOT, WOULD BE BETTER
17 INFORMED ABOUT WHAT CONSTITUTES LEGITIMATE TRIALS
18 AND WOULD NOT -- IN THIS WAY HOPEFULLY, WE'LL BE
19 ABLE TO PREVENT SOME OF THE UNFORTUNATE
20 CIRCUMSTANCES WHERE PATIENTS MAY PURSUE STEM CELL
21 TOURISM WITH UNPROVEN TREATMENTS THAT ARE OFFERED
22 OUT THERE FOR PAYMENT IN THE UNREGULATED SPACE.

23 SO IF THESE PATIENTS UNDERGO TREATMENT AT
24 THE CLINICS OR ENROLL IN CLINICAL TRIALS AT THAT
25 CENTER, THEY WOULD THEN BE TREATED AND CARED FOR BY

BARRISTERS' REPORTING SERVICE

1 AN EXPERIENCED AND FOCUSED CLINICAL TRIAL TEAM THAT
2 WOULD BE SPECIALIZED AND HAVE THE EXPERIENCE IN STEM
3 CELL TREATMENTS AND TRIALS. AND THAT ALPHA CLINIC
4 WHERE THEY WOULD BE RECEIVING THIS SERVICE WOULD BE
5 SUPPORTED BY THE QUALITY AND STANDARDS AND RESOURCES
6 AT THE CIMC. AND THESE CLINICS WOULD BE FULLY
7 INTEGRATED WITHIN THAT MEDICAL CENTER AS WELL AS THE
8 HEALTHCARE NETWORK, SO THE PATIENTS WOULD BE ENSURED
9 CONTINUITY OF CARE AND THE APPROPRIATE MEDICAL
10 TREATMENTS AND REFERRALS THAT ARE ASSOCIATED WITH
11 THEIR GENERAL CARE.

12 AND THE NEXT SLIDE JUST GIVES A DIFFERENT
13 PERSPECTIVE FROM THE PERSPECTIVE OF THE CLINICAL
14 TRIAL SPONSORS OR THOSE WHO WOULD BE INITIATING
15 TRIALS OR DELIVERING NOVEL STEM CELL TREATMENTS.
16 THESE SPONSORS WOULD NOW HAVE ACCESS TO A TEAM AT
17 THE ALPHA CLINICS WITH A TRACK RECORD AND EXPERIENCE
18 AND BACKING FOR STANDARDS AND RESOURCES FROM THE
19 CIMC. ADDITIONALLY, AND WHAT'S VERY RELEVANT TO
20 THIS MEETING TODAY, THEY WOULD HAVE ACCESS TO
21 EFFICIENCIES WHICH WOULD BE BUILT IN IN THE SHARED
22 KNOWLEDGE, ACCELERATED LEARNING THAT NATALIE HAD
23 DESCRIBED EARLIER, WHICH IS A MAJOR GOAL OF SUCH A
24 NETWORK.

25 SO ONE WOULD ENVISION HOW EFFICIENCIES

BARRISTERS' REPORTING SERVICE

1 COULD BE CREATED WITH MODEL FORMS, STANDARD
2 CONTRACTS, STANDARDS THAT WOULD GUIDE JUST THE
3 OPERATIONAL ASPECTS OF THINGS AS WELL AS VERY
4 IMPORTANT DISCUSSIONS THAT WOULD OCCUR AT THE IRB
5 AND ALSO PROVISION OF SUPPORT FOR THE VARIOUS IRB'S
6 REGARDING THE SPECIAL NATURE OF THESE CLINICAL
7 TRIALS.

8 AND SO WITH THAT, I'D LIKE TO OPEN IT UP
9 FOR ANY QUESTIONS AND HAND IT BACK TO GEOFF FOR MORE
10 DISCUSSION.

11 CHAIRMAN LO: FIRST, LET ME JUST THANK YOU
12 BOTH FOR A VERY LUCID AND HELPFUL OVERVIEW. AND AS
13 SHERRY MENTIONED, IT'S REALLY EXCITING TO SEE THIS
14 REAL STEP INTO THE CLINICAL RESEARCH REALM TO
15 DEVELOP NEW THERAPIES FOR PATIENTS.

16 DR. LOMAX: SO THIS IS GEOFF LOMAX. PAT
17 TAYLOR, I BELIEVE YOU'VE JOINED THE CALL; IS THAT
18 CORRECT?

19 DR. TAYLOR: YES.

20 DR. LOMAX: THANKS FOR THE WONDERS OF
21 TECHNOLOGY.

22 SO WE DID HAVE SOME -- AGAIN, I MENTIONED
23 THIS EARLIER. WE HAVE SORT OF SOME POLICY
24 CONSIDERATIONS WE'D LIKE TO MOVE TO. AGAIN, I THINK
25 PRIOR TO LAUNCHING INTO A FAIRLY DETAILED DISCUSSION

BARRISTERS' REPORTING SERVICE

1 OF POLICY, WE DID THINK IT WOULD BE VALUABLE JUST TO
2 GET ANY ADDITIONAL QUESTIONS OR FEEDBACK OR THOUGHTS
3 OR EVEN PERSPECTIVES FROM THE WORKING GROUP IN PART
4 BECAUSE THIS MEETING ACTUALLY, WHEN THE RFA GOES OUT
5 AND PEOPLE HAVE AN OPPORTUNITY TO LOOK AT THE RFA,
6 MEETINGS LIKE THIS ACTUALLY PROVIDE A RECORD OF SOME
7 OF THE THOUGHT PROCESSES BEHIND THE RFA.

8 SO, AGAIN, I KNOW THAT WAS A LOT OF
9 INFORMATION IN A SHORT PERIOD OF TIME; BUT BEFORE
10 MOVING INTO SORT OF POLICY NUANCE, I THOUGHT AGAIN
11 SEE IF THERE WERE QUESTIONS OR EVEN REACTIONS FROM
12 ANY MEMBERS OF THE WORKING GROUP.

13 DR. PETERS: IS THERE ANY DIRECT ACTION TO
14 BE TAKEN REGARDING STEM CELL TOURISM, OR WILL THE
15 ACTIVITIES OF THE ALPHA CLINICS DEAL SOLELY WITH
16 THEIR OWN PATIENTS?

17 DR. DEWITT: ONE ACTIVITY OF THE
18 COORDINATING CENTER WILL BE TO COMPILE INFORMATION
19 ABOUT CLINICAL TRIALS THAT ARE GOING ON WORLDWIDE
20 AND TO PROVIDE THAT AS A RESOURCE TO COUNSELORS WHO
21 CAN THEN PASS THAT INFORMATION ON TO PATIENTS. SO
22 IT WON'T BE -- I WOULD IMAGINE THE COORDINATING
23 CENTER WOULD ALSO MAKE THESE RESOURCES AVAILABLE TO
24 ANYBODY WHO WANTED TO FIND OUT MORE INFORMATION
25 ABOUT STEM CELL TOURISM. SO THAT'S ACTUALLY

BARRISTERS' REPORTING SERVICE

1 SOMETHING THAT IS A HIGH PRIORITY FOR THIS.

2 DR. TROUNSON: I THINK IT'S REALLY
3 IMPORTANT THAT WE ESTABLISH THE WHOLE IDEA BEHIND
4 THE ALPHA CLINICS WAS TO REALLY HAVE INDEPENDENT
5 COUNSELORS THAT PEOPLE COULD GO TO TO REALLY FIND
6 OUT ABOUT WHAT'S AVAILABLE FOR THEM. AND FREQUENTLY
7 THERE ARE NOT CLINICAL TRIALS AT THIS STAGE FOR
8 EVERYBODY OR THEY'VE HAD TREATMENTS WHICH ARE NOT
9 SATISFYING TO THEM. AND PEOPLE WILL TEND TO GO TO
10 THESE PLACES WHERE THEY'RE NOT GETTING GOOD
11 TREATMENT.

12 I THINK ONE OF THE VERY POSITIVE ELEMENTS
13 HERE IS THAT IF YOU SEE THE CIRM ALPHA CLINICS AS A
14 REPOSITORY OF INFORMATION YOU CAN RELY ON AND THAT
15 YOU CAN SPEAK TO AN INDEPENDENT COUNSELOR WHO'S
16 INDEPENDENT FROM THE CLINICIAN ACTUALLY WANTING TO
17 PROVIDE THE TREATMENT OR THE CLINICAL TRIAL FOR YOU,
18 AND WE NEED TO TRAIN THESE PEOPLE APPROPRIATELY,
19 THEN I THINK THIS WOULD BE A VERY POSITIVE ELEMENT
20 TO REALLY GET PEOPLE TO SEE THAT, A, THERE MIGHT BE
21 TRIALS THAT THEY CAN GET INTO EITHER IN THIS NETWORK
22 OR ELSEWHERE, AND WE MAY BE ABLE TO HELP THEM
23 IDENTIFY AND SEE WHETHER THEY FIT THE REQUIREMENTS
24 FOR THAT, OR THAT IF THEY REMAIN IN CONTACT WITH THE
25 NETWORK, THERE MAY IN THE FUTURE BE STUDIES WHICH

BARRISTERS' REPORTING SERVICE

1 THEY COULD ENTER. BUT RATHER THAN GOING INTO
2 PLACES WHERE THERE WOULD NOT BE APPROPRIATE
3 TREATMENT.

4 SO I THINK THERE IS AN IMPORTANT PLACE FOR
5 THE UNIVERSITIES TO TRAIN THESE COUNSELORS, IF YOU
6 LIKE, IN THE SAME WAY GENETIC COUNSELORS REALLY HAVE
7 BEEN DEVELOPED IN THE AREAS OF PEOPLE WHO ARE
8 INTERESTED IN ACCESSING TREATMENTS FOR GENETIC
9 DISEASES.

10 CHAIRMAN LO: THANKS. ANY OTHER
11 QUESTIONS?

12 DR. BOTKIN: I HAVE TWO QUICK QUESTIONS, I
13 THINK. WOULD YOU ANTICIPATE THAT THE COORDINATING
14 CENTER MIGHT BE ONE OF THE CLINICAL CENTERS, OR IS
15 THIS LIKELY TO BE OR IS THIS ANTICIPATED TO BE A
16 COMPLETELY INDEPENDENT ENTITY?

17 DR. DEWITT: IT COULD BE EITHER. SO THE
18 PROGRAM DIRECTOR OF A CLINICAL SITE WOULD NOT BE
19 ABLE TO BE THE PROGRAM DIRECTOR FOR THE COORDINATING
20 CENTER, BUT THEY COULD BE BOTH LOCATED AT THE SAME
21 INSTITUTION. ALTERNATIVELY, THE COORDINATING CENTER
22 COULD BE A SEPARATE ENTITY LIKE A CRO-TYPE ENTITY.

23 DR. BOTKIN: SECOND QUESTION IS WHETHER,
24 I'M LOOKING AT THE DIAGRAM NOW ABOUT THE SPONSOR
25 RELATIONSHIP WITH THE NETWORK, AND WOULD YOU

BARRISTERS' REPORTING SERVICE

1 ANTICIPATE THAT SPONSORS WOULD ALWAYS BE WORKING
2 THROUGH THE NETWORK, OR MIGHT A SPONSOR DECIDE TO
3 WORK INDEPENDENTLY WITH ONE OF THE CLINICS FOR A
4 PARTICULAR PROTOCOL?

5 DR. DEWITT: WHEN THE PROGRAM -- WHEN IT'S
6 FIRST INITIATED, THE IDEA IS THAT THE LEAD
7 ACTIVITIES WOULD BE WITH SPONSORS WHO WOULD WORK
8 THROUGH THE CLINICS AND THERE WOULD BE THIS
9 INTEGRATED ACTIVITY AND COORDINATION THROUGH THE
10 COORDINATING CENTER. EVENTUALLY THE CLINICS WILL
11 EXPAND THE TYPES OF ACTIVITIES THAT THEY WOULD BE
12 INVOLVED WITH; HOWEVER, THERE WILL BE SOME
13 REQUIREMENT IN TERMS OF DATA AND KNOWLEDGE SHARING
14 THAT WOULD BE IN PLACE SO THAT THOSE ENTERING THE
15 CLINICS WOULD ALSO BE ABLE TO PARTICIPATE AND
16 DEPOSIT SOME OF THE VALUABLE KNOWLEDGE AND
17 EXPERIENCES AND WHATEVER DATA COULD BE MADE
18 AVAILABLE VIA THE COORDINATING CENTER.

19 SO THE RELATIONSHIP WOULD STILL THE BE,
20 THE SHORT ANSWER, IS DIRECTLY WITH THE CLINICS, NOT
21 NECESSARILY DIRECTLY WITH THE CIMC. BUT THE NATURE
22 OF THE WAY THAT THE TRIAL IS CONDUCTED WILL BE
23 DETERMINED BY THE SPONSOR WITH THE CLINIC. AND THE
24 DEPOSITION OF INFORMATION OR PARTICIPATION IN THAT
25 KNOWLEDGE SHARING WILL BE, AGAIN, VIA THE CLINIC,

BARRISTERS' REPORTING SERVICE

1 BUT COMPONENTS FROM THE SPONSORS WILL LIKELY BE
2 INCLUDED IN THOSE ACTIVITIES.

3 DR. BOTKIN: I GUESS THE QUESTION WOULD BE
4 WHETHER ALL THE RESEARCH IN THIS DOMAIN AT THOSE
5 INSTITUTIONS THAT HAVE CLINICS WOULD BE GOVERNED BY
6 THE SAME STANDARDS THAT ARE SET UP BY THE NETWORK,
7 OR IF I AS A SPONSOR COULD DECIDE JUST TO WORK WITH
8 ONE OF THE CLINICS AND NOT NECESSARILY BE HELD TO
9 WHATEVER NETWORK STANDARDS HAD BEEN ESTABLISHED.

10 DR. DEWITT: THERE WOULD BE A MINIMUM SET
11 OF STANDARDS WHICH WOULD NOT BE INVASIVE BY ANY
12 MEANS. THEY WOULD BE THINGS LIKE SIMILAR TO
13 CAPTURING INFORMATION THAT ONE WOULD HAVE AT
14 CLINTRIALS.GOV, FOR INSTANCE, SO THAT THERE'S THAT
15 MINIMUM INFORMATION THAT WOULD BE DEPOSITED INTO THE
16 CENTER, BUT THEY WOULD NOT BY ANY MEANS BE OBLIGATED
17 TO USE ALL THE SERVICES THAT ARE PROVIDED BY THE
18 CIMC, FOR INSTANCE, BECAUSE THOSE RESOURCES ARE
19 MEANT TO BE SUPPORT RESOURCES TO ACCELERATE AND TO
20 HELP RATHER THAN NECESSARILY MAJOR OVERSIGHT.

21 BUT ELLEN FEIGAL IS ALSO HERE, AND SHE MAY
22 HAVE SOME ADDITIONAL.

23 DR. FEIGAL: IF THAT ANSWERED YOUR
24 QUESTION, I DON'T NEED TO ADDRESS IT ANY FURTHER.
25 BUT IF YOUR POINT WAS IS IT MANDATORY THAT SOMEBODY

BARRISTERS' REPORTING SERVICE

1 ENTERS THIS NETWORK TOGETHER, I THINK THE WAY MARIA
2 DESCRIBED IT IS THAT WE'RE NOT MANDATING HOW THAT
3 UNIVERSITY OR MEDICAL CENTER WOULD WORK IN ALL OF
4 ITS VARIOUS ACTIVITIES. OUR EXPECTATION IS THAT IF
5 IT INVOLVES STEM CELL CLINICAL TRIALS, THAT THERE
6 WOULD BE THE EXPECTATION THAT THERE'S SOME
7 CONNECTION WITH THE NETWORKS ABOUT THE TYPES OF
8 QUALITY MEASURES COULD BE INCORPORATED INTO A
9 NETWORK-TYPE TRIAL. WHETHER OR NOT THEY NEED THAT
10 IS SOMETHING THAT THE SPONSOR AND THE CLINICAL SITE
11 TALKING WITH THE CIMC MIGHT BE ABLE TO FIGURE OUT.

12 BASICALLY WHAT IT'S PROVIDING IS A
13 ONE-STOP SHOP FOR A SPONSOR, WHETHER THEY'RE FROM
14 ACADEMIC OR INDUSTRY AREAS, BE ABLE TO ACCESS
15 RESOURCE AND EXPERTISE SHOULD THEY NEED IT.

16 DR. TROUNSON: IN ADDITION, IT MAY BE THAT
17 IT'S INAPPROPRIATE FOR THE TRIAL TO GO ON AT EVERY
18 SITE BECAUSE SOME OF THOSE CENTERS MIGHT BE, FOR
19 EXAMPLE, SPECIFIED ON EYE DISEASE. SO, YOU KNOW, IT
20 KIND OF DEPENDS ON WHAT HAPPENS IN THE SELECTION
21 PROCESS WHETHER THERE'S MORE SPECIFIC TYPE CLINICS
22 IN THE NETWORK OR THEY'RE MORE GENERAL.

23 DR. MILLAN: ON THAT SAME TOPIC, I SHOULD
24 MENTION, AND WE HADN'T MENTIONED IT IN THIS
25 PRESENTATION, THAT THERE WILL BE A STEERING

BARRISTERS' REPORTING SERVICE

1 COMMITTEE THAT WILL BECOME PART OF THE ALPHA CLINICS
2 THEMSELVES AS WELL AS THE CIMC AND REPRESENTATION
3 FROM CIRM THAT WILL HELP TO GUIDE THE CLINICS IN
4 TERMS OF THE CHOICE OF CLINICAL TRIALS ENTERING,
5 GUIDING SOME OF THE INITIATIVES, SUCH AS FORMATION
6 OF STANDARDS, HOW TO CRAFT THE MANAGEMENT OF THE
7 EDUCATIONAL PIECE AND THE DATABASE AND THOSE
8 RESOURCES THAT ARE TO BE PROVIDED TO THE NETWORK.

9 SO JUST WANTED TO MAKE SURE THAT THAT WAS
10 OUT THERE BECAUSE THE STEERING COMMITTEE IS
11 SOMETHING THAT WILL BE IN PLACE THAT THE NETWORK
12 PARTICIPANTS WILL BE REQUIRED TO BE INVOLVED IN
13 ACTIVELY AND WILL HAVE GREAT INPUT INTO AND WILL
14 UTILIZE TO HELP THEM ALONG.

15 DR. BOTKIN: VERY GOOD. THANKS.

16 DR. LOMAX: LET'S JUST WAIT ON PUBLIC
17 COMMENT ONE MINUTE. I JUST WANT TO GET THROUGH THE
18 DISCUSSION. WE WILL GO TO PUBLIC COMMENT, AND THEN
19 WE CAN MOVE TO THE ACTION ITEM IN TERMS OF POLICY.

20 SO ARE THERE ANY ADDITIONAL QUESTIONS OR
21 COMMENTS?

22 MS. FEIT: THIS IS MARCY FEIT. I JUST
23 WANTED TO LET YOU KNOW I JOINED THE CALL.

24 CHAIRMAN LO: WELCOME, MARCY.

25 MS. FEIT: THANK YOU.

BARRISTERS' REPORTING SERVICE

1 CHAIRMAN LO: OKAY. ANY FURTHER QUESTIONS
2 FROM THE COMMITTEE? ANY PUBLIC COMMENTS OR
3 QUESTIONS?

4 MR. REED: THIS IS DON REED. FROM THE
5 PATIENT ADVOCATE PERSPECTIVE, WHAT IT FEELS LIKE IS
6 THAT THIS IS WHERE EVERYTHING, ALL THE YEARS OF WORK
7 CIRM HAS DONE COMES TOGETHER. IS THAT AN ACCURATE
8 ASSESSMENT, THAT THIS IS WHERE ALL THE -- IS THIS
9 THE PINNACLE THAT WE'VE BEEN STRIVING FOR?

10 MS. LANSING: I CAN ANSWER THAT. IT
11 CERTAINLY -- DON, THIS IS SHERRY. AS A PATIENT
12 ADVOCATE, I CAN SAY THIS IS CERTAINLY ONE OF THE
13 PINNACLES BECAUSE THOSE OF US WHO ARE PATIENT
14 ADVOCATES HAVE BEEN DREAMING OF A DAY THAT ALL OF
15 THIS WONDERFUL, WONDERFUL, EXTRAORDINARY RESEARCH
16 WOULD REACH THE PATIENTS. SO THIS IS THE BEGINNING,
17 AND IT CERTAINLY IS A DAY OF PINNACLE, A DAY OF
18 ACHIEVEMENT, BUT THE REAL PINNACLE WILL BE WHEN WE
19 FIND CURES FOR THESE DISEASES OR MAKE THEM AT LEAST
20 CHRONIC DISEASES.

21 MR. REED: I WANT TO KNOW HOW TO SELL THIS
22 BASICALLY. I WRITE ABOUT CIRM CONSTANTLY, AND I
23 WANT TO KNOW HOW THIS SHOULD BE CHARACTERIZED. IT
24 SEEMS TO ME LIKE THAT ALL OF THE CHANGES AND THE
25 CURES, THEY'LL BE TRIED HERE, THEY'LL BE DONE HERE;

BARRISTERS' REPORTING SERVICE

1 IS THAT CORRECT?

2 DR. TROUNSON: LET ME JUST ANSWER SOME OF
3 THAT, DON. YES, IT PROVIDES A FOCAL POINT
4 PARTICULARLY FOR THE TREATMENT OF CELL-BASED
5 THERAPIES. AND YOU NEED A LOT OF VERY SPECIFIC
6 CAPACITY TO DELIVER CELL THERAPIES, DIFFERENT TO
7 SURGERY AND DIFFERENT TO THE SMALL MOLECULES AND
8 MONOCLONAL ANTIBODIES, ETC. CELL THERAPY REQUIRES
9 THAT YOU EITHER TAKE A CELL FROM A PATIENT, MODIFY
10 IT, GIVE IT BACK TO THEM, OR PROVIDE CELLS THAT HAVE
11 BEEN DEVELOPED IN THE APPROPRIATE WAY AND UNDER
12 CLINICAL TRIAL OR EVENTUALLY REGISTRATION, AND THEY
13 ARE PROVIDED TO THE PATIENT FROM A SOURCE. THAT
14 MIGHT BE AN ALLOGENEIC SOURCE FROM SOMEPLACE THAT'S
15 NOT SPECIFIC TO THE PATIENT'S OWN CELLS.

16 SO YOU ARE GOING TO HAVE TO HAVE THE
17 CAPACITIES TO TREAT AND MANAGE AND DEVELOP AND GIVE
18 THOSE CELLS TO THE PATIENTS, TO ACTUALLY PUT THEM IN
19 WHEREVER, THE BRAIN, THE SPINAL COLUMN, WHEREVER
20 THOSE CELLS NEED TO GO. SO THAT'S ANOTHER VERY
21 IMPORTANT COMPONENT PART, MANAGING THE CELLS,
22 MANAGING THE DELIVERY, AND PROVIDING THIS
23 INFRASTRUCTURE THAT CAN HELP BE A RECORD OF WHAT'S
24 HAPPENING AND HELP OTHERS WHO ARE INTERESTED IN THIS
25 MOVING FORWARD.

BARRISTERS' REPORTING SERVICE

1 IT'S VERY CLEAR TO US THAT MANY OTHER
2 PLACES ARE INTERESTED IN HOW THIS IS GOING TO WORK
3 BECAUSE THEY SEE THIS AS A POSSIBLE MODEL TO ADOPT
4 NATIONALLY OR INTERNATIONALLY. SO WE HAVE HAD A LOT
5 OF INPUT FROM OTHER PLACES SAYING OF INTEREST TO SEE
6 HOW THIS IS GOING TO WORK, CAN IT BE SUSTAINABLE IN
7 THE LONGER TERM, OF COURSE. WE'RE ACTUALLY NOT
8 PAYING FOR THE ACTUAL CLINICAL TRIALS BECAUSE WE
9 CAN'T DO THAT WITH THE AMOUNT OF MONEY THAT WE HAVE,
10 BUT WE CAN PROVIDE THE INFRASTRUCTURE FOR THIS TO
11 HAPPEN.

12 WE CALL IT ALPHA BECAUSE IT'S IN THE
13 PRIMARY RESEARCH INSTITUTIONS, THEY BEING THE MOST
14 APPROPRIATE PLACE TO START THIS KIND OF NETWORK.
15 LATER ON IT MAY GO OUT TO BETA SITES OR DELTA SITES
16 AS IS APPROPRIATE AS HAS HAD IN CANCER AND IN OTHER
17 TREATMENTS. SO I THINK THIS IS VERY INTERESTING AND
18 VERY VISUAL FOR PEOPLE TO TRY AND SEE HOW IT'S GOING
19 TO FUNCTION, AND PARTICULARLY THINGS LIKE HOW DO YOU
20 KEEP THIS FUNCTIONING, HOW DOES IT WORK IN THE
21 LONGER TERM, AND WILL PATIENTS FEEL REALLY
22 COMFORTABLE GOING TO THESE PLACES. I THINK THEY
23 WILL BECAUSE THEY'LL HAVE REAL EXPERTS HELPING THEM.

24 AND IF YOU HAVE A DISEASE WHICH IS REALLY
25 NOT VERY COMMON, THIS MIGHT BE A PLACE WHERE YOU CAN

BARRISTERS' REPORTING SERVICE

1 GET HELP TO FIND WHERE THERE MIGHT BE SOMETHING
2 HAPPENING, NOT NECESSARILY IN THE NETWORK, BUT IN
3 SOME OTHER PLACE THAT YOU WOULD FEEL THAT WOULD BE
4 REASONABLE TO CONTACT THEM TO GET A REGISTERED
5 CLINICAL TREATMENT.

6 DR. FEIGAL: I JUST WANT TO ADD
7 WELL-DESIGNED CLINICAL TRIALS ARE THE ONLY WAY THAT
8 WE CAN ADVANCE AND TRANSFORM MEDICINE. SO THIS IS
9 PUTTING INTO PLACE AN INFRASTRUCTURE TO MAKE SURE
10 THOSE WELL-DESIGNED EXPERIMENTS OF THESE NOVEL AND
11 VERY PROMISING THERAPIES CAN TAKE PLACE. SO I JUST
12 WANTED TO MAKE THAT CLEAR. WE DO FUND IN OTHER
13 INITIATIVES CLINICAL TRIALS, BUT THIS IS REALLY
14 SUPPLYING A WAY TO DO IT IN A HIGH QUALITY AND
15 HOPEFULLY OUR INTENT IS IN A VERY EFFICIENT MANNER
16 SO THAT WE CAN ALSO IMPACT ON HOW CLINICAL TRIALS
17 ARE DONE AND DO IT IN A MORE CREATIVE AND INNOVATIVE
18 WAY SO THAT WE CAN BE COGNIZANT OF THE HEALTH
19 ECONOMICS OF HOW THESE NEW THERAPIES WILL BE ABLE TO
20 COME INTO THE COMMERCIAL MARKET.

21 DR. LOMAX: SO AT THIS STAGE, BERNIE,
22 SHOULD WE MOVE FORWARD TO THE POLICY? CAN YOU MOVE
23 TWO SLIDES FORWARD. THERE'S A TIMELINE SLIDE. IF
24 FOLKS ARE INTERESTED, WE CAN MOVE THROUGH THAT. AND
25 WANTED TO MOVE TO ISSUES FOR CONSIDERATION BY THE

BARRISTERS' REPORTING SERVICE

1 WORKING GROUP.

2 CHAIRMAN LO: SO IT'S THE -- GEOFF JUST
3 READ THE TITLE OF THE SLIDE. IT'S IN BLUE.

4 DR. LOMAX: SLIDE 11.

5 CHAIRMAN LO: GO, GEOFF.

6 DR. LOMAX: SO AS A LEAD-UP TO THIS POINT
7 IN TIME, WE DID HOLD MULTIPLE WORKSHOPS AND MEETINGS
8 TO CONSIDER OVERSIGHT ASPECTS OF CLINICAL TRIALS.
9 AND NOTABLY THERE WAS A LARGE ALPHA CLINICS WORKSHOP
10 NOVEMBER OF LAST YEAR. AND JOHN WAGNER, JEFF
11 SHEEHY, FRANCISCO PRIETO, AND, MARCY, I DON'T RECALL
12 IF YOU ATTENDED THAT, BUT WE DID HAVE A SIZABLE
13 REPRESENTATION BY WORKING GROUP MEMBERS. AND A
14 SUBSTANTIAL FOCUS OF THAT WORKSHOP WAS OVERSIGHT
15 ISSUES IN CLINICAL TRIALS.

16 IN ADDITION, WE THEN CONVENED A WORKSHOP
17 OF CIRM GRANTEES TO REALLY HEAR ABOUT SORT OF THE
18 CURRENT STATE OF THE ART IN TERMS OF THE DEVELOPMENT
19 OF THE ESCRO OR STEM CELL RESEARCH OVERSIGHT
20 COMMITTEES. AND THAT WORKSHOP WAS IN JUNE. AND IN
21 EACH OF THOSE EVENTS, THERE WAS A MAJOR -- WELL, THE
22 ALPHA CLINICS WORKSHOP WAS FOCUSED SPECIFICALLY ON
23 ALPHA CLINICS. THE ESCRO WORKSHOP, A MAJOR SEGMENT
24 OF THAT WORKSHOP WAS HAVING THE PARTICIPANTS HEAR
25 BASICALLY THE SAME PRESENTATION YOU JUST HEARD AND

BARRISTERS' REPORTING SERVICE

1 THEN GO INTO AN IN-DEPTH DISCUSSION ABOUT SORT OF
2 OPERATIONALLY HOW BEST TO ENSURE THE OVERSIGHT
3 REVIEW OF CLINICAL TRIALS.

4 AND WHAT EMERGED FROM THOSE DISCUSSIONS,
5 AND PARTICULARLY THE SECOND DISCUSSION, IS THAT IN
6 TERMS OF APPLIED CLINICAL RESEARCH AS OPPOSED TO
7 BASIC RESEARCH, OUR GRANTEES HAVE REALLY MOVED TO
8 WHAT I'M NICKNAMING AN IRB-CENTRIC APPROACH WHERE
9 THE DECISIONS ABOUT RISK, BENEFIT, SAFETY,
10 EVALUATION OF CELL-BASED THERAPIES IS GOING ON IN AN
11 IRB SETTING WITH TECHNICAL SUPPORT FROM EITHER THE
12 SCRO'S, SO IT WOULD BE A JOINT IRB-ESCRO MEETING, OR
13 MEMBERS FROM THE ESCRO ARE PARTICIPATING IN THOSE
14 DISCUSSIONS, BUT THE DELIBERATIONS ARE REALLY
15 FOCUSED IN THE IRB SETTING.

16 AND WHAT OUR GRANTEES HAVE REALLY
17 EMPHASIZED IS THAT THE INSTITUTIONAL REVIEW BOARD
18 ALWAYS HAS THE RESPONSIBILITY FOR THE REVIEW AND
19 OVERSIGHT OF CLINICAL TRIALS. THAT'S KIND OF A
20 UNIVERSAL TRUTH. AND WHAT THEY RECOMMENDED OR
21 SUGGESTED WOULD BE IMPORTANT FOR REALLY MAKING THE
22 REGULATORY GLIDEPATH SORT OF CLEAR AND EFFICIENT IS
23 THAT IF THE CIRM REGULATIONS REALLY MADE CLEAR THAT
24 THE REVIEW AND OVERSIGHT OF CELL-BASED TRIALS WAS
25 SORT OF THAT THE LEAD BODY, IF YOU WILL, IS THE IRB

BARRISTERS' REPORTING SERVICE

1 AND THAT THE REGULATIONS REFLECT THAT POSITION.

2 AND SO WHAT WE'VE DONE IS WE'VE PROVIDED
3 SOME -- GIVEN YOU A SENSE OF SORT OF HOW THE CURRENT
4 REGULATIONS HAVE A LITTLE BIT OF A TWIST TO IT, AND
5 I THINK THE HISTORY OF THIS IS THAT WHEN WE
6 ORIGINALLY PUT THE CIRM REGULATIONS TOGETHER, I
7 THINK WE WERE FOCUSED ALMOST ENTIRELY ON THE BASIC
8 RESEARCH ENVIRONMENT, BUT WE THOUGHT WE SHOULD
9 INCLUDE SOMETHING ON CLINICAL TRIALS. AND I KNOW
10 THERE'S A NUMBER OF MEMBERS THAT WERE THERE AT THAT
11 TIME; SO IF I'M MISSTATING THAT, PLEASE CORRECT ME.
12 BUT WE KIND OF LEFT THAT TO SOMETHING THAT -- THE
13 IMPERATIVE SIX YEARS AGO WAS TO REALLY HAVE
14 REGULATIONS IN PLACE OR SEVEN YEARS AGO THAT ENABLED
15 THE BASIC RESEARCH TO MOVE FORWARD, AND WE ALWAYS
16 KNEW THERE WOULD BE A POINT IN TIME WHERE WE'D WANT
17 TO COME BACK AND THINK THROUGH THE CLINICAL SETTING
18 IN MORE DETAIL.

19 AND BASED ON THAT FEEDBACK, WE IDENTIFIED
20 A COUPLE OF THINGS THAT ARE IN THE REGULATIONS THAT
21 WE THINK COULD BE IMPROVED TO REALLY REFLECT THE
22 CURRENT STANDARD OF CARE, STATE OF THE ART IN
23 RESEARCH OVERSIGHT IN THE CLINICAL SETTING. IF YOU
24 NOTICE, WE CIRCULATED SOME OPTIONS LANGUAGE. WE
25 DON'T HAVE A SLIDE ON THAT, BUT IT WAS CIRCULATED TO

BARRISTERS' REPORTING SERVICE

1 YOU ALL. THE HEADING IS SECTION 170, CIRM MEDICAL
2 AND ETHICAL STANDARDS REGULATIONS.

3 THERE'S A SORT OF A STRIKE-THROUGH OF
4 SECTION F, WHICH IS THIS IS THE SECTION THAT SORT OF
5 DISCUSSES THE RESEARCH -- THE REVIEW AND OVERSIGHT
6 OBLIGATIONS. AND AT THE MOMENT IT SAYS THE ESCRO
7 SHALL REQUIRE THE INVESTIGATOR TO PROVIDE A CERTAIN
8 SET OF INFORMATION TO THE ESCRO. AND THE WAY THAT
9 IS WORDED, THERE WERE, AGAIN, A NUMBER OF PROBLEMS
10 IDENTIFIED WITH THAT WORDING IN TERMS OF KIND OF
11 CREATING CONFUSION AND, MORE SPECIFICALLY, CREATING
12 OVERLAP IN TERMS OF IRB RESPONSIBILITIES.

13 AND, AGAIN, THIS IS TOUCHED ON IN THE
14 BACKGROUND MEMO. SO WHAT WE'VE PROVIDED TO YOU ALL
15 IS LANGUAGE THAT WE THINK WOULD CREATE GREATER
16 FLEXIBILITY IN TERMS OF ALLOWING -- FIRST OF ALL,
17 ALLOWING OVERSIGHT TO REALLY GO -- THE POINT OF
18 RESPONSIBILITY BEING WITH THE IRB CONSISTENT WITH
19 NATIONAL REGULATIONS. AND FURTHERMORE, WE STILL SEE
20 A ROLE FOR THE OVERSIGHT COMMITTEE IN TERMS OF DOING
21 THE THINGS THAT IT TRADITIONALLY DOES IN TERMS OF
22 CHECKING CELL LINES AND REVIEWING DOCUMENTATION.
23 THEN RATHER THAN HAVING IT PLAY A -- SORT OF
24 MANDATING IT TO PERFORM CERTAIN ACTIONS, WE TALK
25 ABOUT CONFIRMING CERTAIN THINGS ARE IN PLACE,

BARRISTERS' REPORTING SERVICE

1 PARTICULARLY THERE'S AN ACCEPTABLE SCIENTIFIC
2 RATIONALE FOR INTRODUCING CELLS TO PATIENTS AND THAT
3 THERE'S BEEN AN IN-DEPTH EVALUATION OF THE EFFECTS
4 OF CELL TRANSPLANTATION.

5 AND, AGAIN, WE THINK THIS IS AN APPROACH
6 THAT THE IRB WOULD BE DOING THIS WORK ANYWAY, AND IT
7 ALLOWS SORT OF A CLEARER REGULATORY PATHWAY THAT
8 REALLY REFLECTS WHAT'S ALREADY GOING ON IN THE
9 INSTITUTIONS AT THIS TIME.

10 SO CAN I TURN IT OVER TO YOU, BERNIE?

11 CHAIRMAN LO: THANKS. IF I CAN JUST SORT
12 OF MAKE A FRAMING COMMENT HERE. FIRST, I JUST WANT
13 TO EMPHASIZE THAT CIRM IS COMMITTED AND THE ALPHA
14 CLINICS PROGRAM WILL BE COMMITTED TO PROVIDING NOT
15 ONLY CUTTING-EDGE SCIENCE, BUT RIGOROUS, HIGH
16 STANDARDS, ETHICAL STANDARDS, FOR THE CONDUCT OF
17 THOSE STEM CELL CLINICAL TRIALS. AND ON THE ONE
18 HAND THERE ARE SOME TECHNICAL MODIFICATIONS TO OUR
19 EXISTING REGULATION. IF YOU TAKE AWAY THE STRIKEOUT
20 AT THE TOP OF THE PAGE, THE CURRENT REGULATION IS
21 THAT THE SCRO SHALL REQUIRE INVESTIGATORS TO PROVIDE
22 INFORMATION.

23 SO ONE THING WE THOUGHT IS IT WOULD BE
24 DESIRABLE TO TIGHTEN THE LANGUAGE TO SAY SOMEONE HAS
25 TO CONFIRM THAT THERE IS AN ACCEPTABLE SCIENTIFIC

BARRISTERS' REPORTING SERVICE

1 RATIONALE, THAT THE LINES HAVE BEEN ACCEPTABLY
2 DERIVED, AND THAT THE PATTERNS OF DIFFERENTIATION
3 AND INTEGRATION HAVE BEEN EVALUATED, AND ALSO OTHER
4 COMPLIANCE REVIEWS IN PLACE. BUT IN ADDITION -- SO
5 WE'RE REALLY MAKING SURE THAT CERTAIN THINGS ARE
6 REVIEWED AND JUDGED TO BE ADEQUATE, ACCEPTABLE.

7 BEYOND THAT WE THOUGHT THAT THE RATIONALE
8 FOR HAVING A SEPARATE SCRO WAS MUCH STRONGER FOR
9 BASIC RESEARCH CARRIED OUT SEVEN YEARS AGO AND THAT
10 NOW WITH THE EVALUATION OF OVERSIGHT OF CLINICAL
11 TRIALS, WE WERE CONCERNED ABOUT A DUPLICATION OF
12 EFFORT BETWEEN A SCRO AND AN IRB AND BASICALLY
13 WANTED TO GIVE INSTITUTIONS CARRYING OUT CIRM-FUNDED
14 CLINICAL TRIALS, THIS WOULD INCLUDE THE ALPHA CLINIC
15 PROGRAM GRANTS, TO HAVE FLEXIBILITY AS TO HOW THIS
16 OVERSIGHT IS DONE.

17 ULTIMATELY, AS GEOFF SAID, THE IRB HAS TO
18 APPROVE A CLINICAL TRIAL, AND WE'RE GIVING THE IRB
19 THE OPTION OF DOING ALL THIS REVIEW ITSELF BY EITHER
20 HAVING MEMBERS OF THE COMMITTEE WHO HAVE THE
21 SCIENTIFIC STEM CELL CLINICAL EXPERTS AND CLINICAL
22 EXPERTISE, PERHAPS APPOINTING AD HOC MEMBERS. IF
23 THEY WANT, THEY COULD STILL CONTINUE TO HAVE A
24 SEPARATE SCRO COMMITTEE REVIEW ON THESE POINTS AND
25 REPORT BACK TO IT, BUT WE'RE CLARIFYING THAT THE IRB

BARRISTERS' REPORTING SERVICE

1 IS THE SORT OF FINAL COMMON PATHWAY, IF YOU WILL,
2 FOR APPROVAL. AND WE'RE GIVING THE INSTITUTION
3 FLEXIBILITY AS TO HOW THE IRB GOES ABOUT MAKING SURE
4 SCIENTIFIC, IMPORTANT SCIENTIFIC ISSUES ARE REVIEWED
5 AND APPROVED OF.

6 SO THE GOAL IS CLEAR, AND WE'RE GIVING
7 FLEXIBILITY AS TO HOW DIFFERENT INSTITUTIONS MAY
8 CHOOSE TO GO ABOUT FULFILLING THAT GOAL.

9 SO AT THIS POINT LET ME SORT OF INVITE SWG
10 MEMBERS TO COMMENT AND SHARE THEIR THOUGHTS.

11 DR. BOTKIN: THANKS FOR THAT
12 CLARIFICATION. THAT'S HELPFUL. JUST A COUPLE OF
13 QUICK COMMENTS. I THINK THAT ONE OF THE THINGS THIS
14 DOES BETWEEN THE TWO ALTERNATIVES IS REMOVES SOME OF
15 THE WEIGHT OF RESPONSIBILITY FROM THE INVESTIGATOR
16 AND PUTS IT ON THE INSTITUTION IN THE FORM OF THE
17 IRB. I THINK THAT MAKES SENSE, AND I THINK I VERY
18 MUCH SUPPORT THE GENERAL THEME HERE OF DESIGNATING
19 THE IRB AS THE APPROPRIATE REVIEW BODY. BUT SAY I
20 THINK THERE'S SOME DISCUSSION AT THE NATIONAL LEVEL
21 ABOUT TRYING TO HAVE THE CURRENT REGULATIONS PROVIDE
22 A LITTLE BIT MORE FOCUS ON THE INVESTIGATOR AS A
23 PERSON WHO HAS TO TAKE RESPONSIBILITY FOR
24 MAINTAINING SOME OF THE STANDARDS. I DON'T HAVE
25 ANYTHING SPECIFIC TO SUGGEST THERE, BUT JUST TO

BARRISTERS' REPORTING SERVICE

1 THROW THAT OUT.

2 THE OTHER MORE SPECIFIC POINT UNDER THE
3 ALTERNATIVE, WHICH I THINK IN GENERAL IS GOOD, IS
4 THAT THE LANGUAGE DOESN'T WORK VERY WELL. THE
5 SECOND SENTENCE SAYS THE IRB MUST ASSURE THAT IT HAS
6 ADEQUATE EXPERTISE TO, AND IF YOU DROP DOWN TO FOUR,
7 PROVIDE DOCUMENTATION OF COMPLIANCE WITH, ETC. SO
8 THAT'S NOT REALLY AN EXPERTISE ISSUE. SO WONDER
9 WHETHER YOU REALLY WANT TO JUST SAY THE IRB MUST,
10 COLON, ONE, CONFIRM THERE'S AN ACCEPTABLE SCIENTIFIC
11 RATIONALE. AND IMPLICIT IN THAT CONFIRMATION WOULD
12 BE THAT THERE IS ADEQUATE EXPERTISE TO FULFILL THAT
13 FUNCTION.

14 SO BASICALLY THE SUGGESTION IS GET RID OF
15 THE EXPERTISE COMPONENT HERE AND JUST SAY THE IRB
16 HAS TO DO THESE FOUR THINGS OR CONFIRM THESE FOUR
17 THINGS.

18 CHAIRMAN LO: OKAY. THANK YOU. OTHER
19 COMMENTS, SUGGESTIONS?

20 DR. LOMAX: SHALL I TAKE THAT AS A NO?

21 CHAIRMAN LO: NO COMMENTS. JUST WANT TO
22 MAKE SURE WE'RE NOT MISSING ANYONE.

23 DR. LOMAX: ONE POINT OF PROCESS, BERNIE.
24 JUST TO LET FOLKS KNOW, WHAT WE CONTEMPLATED -- AND
25 THANK YOU, DR. BOTKIN. WE WILL TIDY THIS UP A BIT.

BARRISTERS' REPORTING SERVICE

1 WE PROBABLY DIDN'T GIVE THIS THE LEVEL OF HARD
2 REVIEW WE SHOULD HAVE, BUT WE WERE TRYING TO GET YOU
3 SOMETHING SPECIFIC TO REACT TO. AND WE APPRECIATE
4 THOSE REACTIONS BECAUSE THEY'RE VERY SENSIBLE.

5 WHAT WE ANTICIPATED WAS THAT WE WOULD,
6 PENDING YOUR APPROVAL, PUT FORWARD BOTH OPTIONS
7 REALLY AND IT WOULD GO THROUGH THE STANDARD PROCESS
8 THROUGH WHICH WE WOULD THEN GET FEEDBACK FROM THE
9 REGULATED COMMUNITY AND BE ABLE TO ALLOW THE PROCESS
10 TO DECIDE WHAT THE MOST EFFECTIVE FORMULATION OF
11 THIS REGULATION WOULD BE. IT'S NOT NECESSARILY AN
12 EITHER/OR. WE CAN ENTERTAIN BOTH OPTIONS AND THE
13 EVIDENCE CAN SPEAK FOR ITSELF AS THE PROCESS MOVES
14 FORWARD.

15 CHAIRMAN LO: I JUST WANT TO MAKE SURE.
16 JEFF BOTKIN MADE A SUGGESTION FOR AMENDING THE
17 WORDING OF THE ALTERNATIVE. ANY COMMENTS FROM ANY
18 OF THE SWG MEMBERS ON JEFF'S SUGGESTION TO MAKE IT
19 MORE CLEAR AND LOGICAL?

20 GEOFF LOMAX -- SORRY. THERE'S TOO MANY
21 JEFFS TO KEEP STRAIGHT OVER THE PHONE -- SINCE I
22 DON'T HEAR ANY COMMENT FROM THE SWG, SHOULD WE THROW
23 THIS OPEN TO PUBLIC COMMENT ON THIS PARTICULAR ISSUE
24 OF THE 100070?

25 DR. LOMAX: I THINK THAT WOULD BE -- WE

BARRISTERS' REPORTING SERVICE

1 HAVE SOME MEMBERS OF THE PUBLIC IN THE ROOM.

2 CHAIRMAN LO: IF ANYONE WANTS TO COMMENT
3 ON THIS SPECIFIC ISSUE, WE WOULD WELCOME THAT.

4 DR. LOMAX: OKAY. NONE HERE.

5 WHAT WE WOULD ASK YOU, THEN, IS WE WOULD
6 NEED TO PROPOSE A MOTION AND HAVE A SECOND, THE
7 MOTION BEING THAT STAFF COULD MOVE FORWARD WITH THE
8 PROCESS. JAMES, CAN YOU HELP ME WITH THE LANGUAGE
9 HERE?

10 MR. HARRISON: THE MOTION WOULD BE THAT
11 THE STANDARDS WORKING GROUP WOULD RECOMMEND TO THE
12 BOARD INITIATING THE PROCESS WITH THE OFFICE OF
13 ADMINISTRATIVE LAW TO AMEND 100.070 BASED ON THE
14 INPUT FROM THE STANDARDS WORKING GROUP AND THE
15 PUBLIC.

16 CHAIRMAN LO: WITH THE UNDERSTANDING THAT
17 IT'S, I THINK, TO PRESENT THE TWO OPTIONS -- FOR THE
18 BOARD TO CONSIDER THOSE TWO OPTIONS AND TO POSSIBLY
19 GET FEEDBACK FROM THE PUBLIC ON BOTH, OR DO WE HAVE
20 TO CHOOSE ONE?

21 MR. HARRISON: BOTH OPTIONS WOULD BE
22 PRESENTED.

23 CHAIRMAN LO: OKAY. HAVE WE WRITTEN DOWN
24 THE MOTION? AND DO YOU WANT TO REPEAT THAT,
25 SOMEBODY?

BARRISTERS' REPORTING SERVICE

1 MR. HARRISON: SURE. I'LL REPEAT IT. THE
2 MOTION IS TO RECOMMEND THAT CIRM'S BOARD APPROVE
3 INITIATING A RULEMAKING PROCESS WITH THE TWO OPTIONS
4 SET FORTH TO AMEND REGULATION 100070.

5 CHAIRMAN LO: OKAY. WOULD SOMEONE LIKE TO
6 MOVE THAT?

7 MS. LANSING: I'LL MOVE IT.

8 DR. PETERS: SECOND.

9 CHAIRMAN LO: ANY DISCUSSION? OKAY.
10 LET'S DO A ROLL CALL. DID SOMEONE WANT TO MAKE A
11 COMMENT? GEOFF LOMAX, DO YOU WANT TO DO A ROLL CALL
12 FOR THIS THEN?

13 DR. LOMAX: SURE. THIS ONE LAST CHANCE.
14 NO PUBLIC COMMENT?

15 SHERRY LANSING.

16 MS. LANSING: YES.

17 DR. LOMAX: BERNARD LO.

18 CHAIRMAN LO: YES.

19 DR. LOMAX: JEFFREY BOTKIN.

20 DR. BOTKIN: YES.

21 DR. LOMAX: MARCY FEIT.

22 MS. FEIT: YES.

23 DR. LOMAX: TIMOTHY KAMP.

24 DR. KAMP: YES.

25 DR. LOMAX: FRANCISCO PRIETO. TED PETERS.

BARRISTERS' REPORTING SERVICE

1 DR. PETERS: YES.
2 DR. LOMAX: DOROTHY ROBERTS.
3 DR. ROBERTS: YES.
4 DR. LOMAX: JEFF SHEEHY.
5 MR. SHEEHY: YES.
6 DR. LOMAX: PATRICK TAYLOR.
7 DR. TAYLOR: YES.
8 DR. LOMAX: ROBERT TAYLOR, ARE YOU ON THE
9 CALL? JONATHAN THOMAS.
10 CHAIRMAN THOMAS: YES.
11 DR. LOMAX: JOHN WAGNER.
12 DR. WAGNER: YES.
13 CHAIRMAN LO: WELCOME, JOHN. THANKS VERY
14 MUCH.
15 SO LET'S MOVE ON TO THE NEXT ITEM ON OUR
16 AGENDA, WHICH IS NO. 4 IN THE OFFICIAL MEETING
17 NOTICE AND AGENDA, REVIEW THE DISCUSS PROJECT, DRAFT
18 RECOMMENDATIONS, RECEIVE COMMENTS FROM SWG, AND
19 CONSIDER AN ENDORSEMENT OF THE PROJECT. AND BY THIS
20 WE ACTUALLY MEAN THE RECOMMENDATIONS IN THE
21 PUBLICATION.
22 SO JUST AS BACKGROUND, THIS PAPER THAT WAS
23 GIVEN TO US REALLY GOES BACK TO A PREVIOUS SWG
24 MEETING WHERE WE DISCUSSED THIS ISSUE OF CONSENT FOR
25 THE DONATION OF MATERIALS TO DERIVE INDUCED

BARRISTERS' REPORTING SERVICE

1 PLURIPOTENT STEM CELL LINES.

2 SO FROM A DISCUSSION AT THE SWG, GEOFF AND
3 STAFF SORT OF TOOK THAT, MADE LINKAGES PARTICULARLY
4 WITH OTHERS WORKING IN THIS AREA, PARTICULARLY WITH
5 FOLKS AT NIH, TO COME UP WITH GUIDING PRINCIPLES
6 THAT WOULD SORT OF HOPE TO BE THE STANDARDS IN THE
7 FIELD OF REALLY REPRESENTING THE THINKING OF BOTH
8 CIRM AND NIH AS WELL AS OTHERS. AND THEY'VE REALLY
9 TAKEN THIS TO THE PUBLICATION STAGE, WHICH WAS
10 DISTRIBUTED TO US, AND THAT PUBLICATION ACTUALLY
11 CONTAINS SOME SPECIFIC RECOMMENDATIONS. AND THIS IS
12 REALLY SORT OF AN INTERIM STEP, THAT THIS IS A STAGE
13 THAT IS NOT FINAL, BUT IT'S SOMETHING THAT THE
14 AUTHORS OF THE DISCUSS PROJECT WOULD LIKE TO GET
15 FEEDBACK ON TO REFINE, MODIFY, ETC.

16 SO WHAT WE WOULD LIKE IS, FIRST OF ALL, TO
17 ACKNOWLEDGE THE ORIGINS OR THE EARLY IMPORTANT INPUT
18 OF SWG INTO THIS. SECONDLY, TO INVITE COMMENT ON
19 THE PAPER, BUT PARTICULARLY THE NINE STATEMENTS THAT
20 ARE KIND OF OVERARCHING GUIDANCE. AND THEN I
21 SUPPOSE AFTER THAT TO CONSIDER WHETHER THE SWG WANTS
22 TO FORMALLY ENDORSE IN SOME WAY THE NINE STATEMENTS.

23 BUT LET ME FIRST JUST ASK GEOFF TO PROVIDE
24 ANY FURTHER SORT OF BACKGROUND OR CONTEXT. AND
25 AFTER THAT, TO REALLY OPEN IT UP TO SWG DISCUSSION.

BARRISTERS' REPORTING SERVICE

1 DR. LOMAX: THANK YOU FOR THE
2 INTRODUCTION, BERNIE. AND YOU SUMMED IT UP QUITE
3 NICELY, SO I WON'T GO THROUGH ALL THE DETAILS HERE.
4 LIKE I SAID, JUST TO MAKE THE DISTINCTION IS THAT
5 THE WORK WE SPENT ALMOST TWO YEARS ON WAS A CONSENT
6 TEMPLATE THAT WOULD BE APPLIED IN THE CONTEXT OF A
7 NEW DONOR COMING IN SPECIFICALLY WHAT WE ANTICIPATE
8 IN THE IPS STEM CELL BANK. AND WE'VE HAD THE
9 SUCCESSFUL UPTAKE OF THAT MODEL, AND WE'RE VERY
10 PLEASED WITH THAT.

11 BUT THE GENESIS OF THIS PROJECT WAS WE
12 WERE ENCOUNTERING, AND WE IN THIS CASE, WE WERE
13 GETTING INTERESTING QUESTIONS COMING IN AT CIRM AND
14 WE WERE LEARNING OF CHALLENGES PEOPLE WERE HAVING IN
15 TERMS OF DEPOSITING IPS LINES TO NATIONAL BANKS.
16 AND THEN IN DISCUSSIONS WITH NIH, WE LEARNED THAT
17 THEY WERE ENCOUNTERING SIMILAR QUESTIONS. SO WE
18 THOUGHT WE KNOW THAT INVESTIGATORS ARE WORKING WITH
19 BIOLOGICAL SPECIMENS THAT HAVE BEEN COLLECTED FOR
20 RESEARCH. SO WE'RE TRYING TO DEAL WITH BIOSPECIMENS
21 THAT HAVE BEEN COLLECTED UNDER SOME SORT OF RESEARCH
22 PROTOCOL. AND WE THEN TRIED TO TAKE BOTH SORT OF
23 WHAT NIH WOULD RECOMMEND, WHAT CIRM RECOMMENDS
24 THROUGH REGULATIONS AND TRIED TO PULL THAT TOGETHER
25 INTO SOME SORT OF EXPANDED SORT OF WHAT WE'RE

BARRISTERS' REPORTING SERVICE

1 CALLING A POINTS TO CONSIDER BECAUSE THIS IS A
2 NONREGULATORY EFFORT, BUT IT'S SOMETHING TO GIVE
3 PEOPLE A LITTLE MORE TO USE IN TERMS OF MAKING
4 DECISIONS ABOUT WHETHER OR NOT A PARTICULAR CELL
5 LINE WOULD, IN FACT, BE ELIGIBLE FOR DEPOSIT IN SOME
6 SORT OF A REPOSITORY WHERE THAT CELL LINE WOULD BE
7 SHARED AND DISTRIBUTED.

8 AND, AGAIN, I THINK THE TWO POINTS TO
9 EMPHASIZE HERE IS WE'RE TALKING ABOUT A VERY
10 SPECIFIC UNIVERSE, WHICH IS EXISTING RESEARCH
11 SPECIMENS OR EXISTING RESEARCH PROTOCOLS THAT STILL
12 MAY BE COLLECTING SPECIMENS, BUT THEY'RE NOT
13 SPECIFICALLY INTENDED FOR IPS DERIVATION AND
14 BANKING, AND THEN THE DEPOSIT OF ANY DERIVED LINE TO
15 A REPOSITORY WHERE IT WOULD BE SUBSEQUENTLY USED BY
16 OTHER RESEARCHERS AND DISTRIBUTED.

17 SO WE BELIEVE, BASED ON THE SORT OF
18 FEEDBACK AND QUESTIONS WE'RE RECEIVING, THAT'S THE
19 IMPORTANT UNIVERSE OF MATERIALS. WE'VE INITIATED
20 THIS PROJECT. I DON'T THINK I'LL GO THROUGH THE
21 SLIDE. I'D LIKE TO TURN IT OVER TO DOROTHY ROBERTS,
22 WHO'S KINDLY AGREED TO LEAD THE DISCUSSION. WE'VE
23 ALSO HIGHLIGHTED THAT THIS IS ONE STEP IN A SIX- OR
24 SEVEN-STEP PROCESS WHERE WE'RE TRYING TO WORK WITH
25 STAKEHOLDER COMMUNITIES TO DEVELOP CONSENSUS HERE ON

BARRISTERS' REPORTING SERVICE

1 A NONREGULATORY APPROACH, BUT SOMETHING THAT WILL
2 HELP GUIDE THE DECISION-MAKING IN THIS AREA.

3 CHAIRMAN LO: OKAY. GREAT. SO, DOROTHY
4 ROBERTS, THANK YOU VERY MUCH FOR SORT OF AGREEING TO
5 SORT OF TAKE THE LEAD AND SORT OF STIMULATING THE
6 DISCUSSION HERE ON THESE TOPICS. I'LL LET YOU SORT
7 OF GET US STARTED ON OUR DISCUSSION.

8 DR. ROBERTS: OKAY. THANK YOU. AND I
9 THOUGHT WHAT I WOULD DO IS JUST GO THROUGH EACH
10 STATEMENT AND TRY TO GENERATE SOME DISCUSSION ABOUT
11 EACH ONE. DOES THAT SOUND OKAY?

12 CHAIRMAN LO: SOUNDS GREAT. THANK YOU.

13 DR. ROBERTS: AND I WOULD JUST START BY
14 SAYING THAT ONE OF THE WAYS OF THINKING ABOUT THIS
15 THAT I FOUND HELPFUL WAS THE STATEMENT IN THE PAPER,
16 THAT WHAT THIS IS ABOUT IS REPURPOSING PREVIOUSLY
17 COLLECTED RESEARCH BIOSPECIMENS AND HOW TO ADDRESS
18 INFORMED CONSENT ISSUES RELATING TO REPURPOSING
19 THESE SPECIMENS. I JUST THOUGHT IT WAS AN
20 INTERESTING WAY OF STATING IT, AND THAT HELPED ME
21 FOCUS ON WHAT THE QUESTION IS HERE.

22 SO HOW CAN WE RESPONSIBLY, THAT IS,
23 ETHICALLY AND SCIENTIFICALLY, USE COLLECTIONS THAT
24 WERE PREVIOUSLY OBTAINED UNDER BIOMEDICAL RESEARCH
25 PROTOCOLS AND NOW FOR IPSC DERIVATION AND

BARRISTERS' REPORTING SERVICE

1 DISTRIBUTION? AND ONE OF THE QUESTIONS IS TO WHAT
2 EXTENT ARE THESE SPECIMENS THAT ARE GOING TO BE
3 REPURPOSED COVERED BY THE PREVIOUS CONSENT PROCESS?
4 IS THERE ANY ADDITIONAL GUIDELINES, REQUIREMENTS
5 THAT WOULD BE REQUIRED? AND THIS *DISCUSS* PAPER
6 SUGGESTS SEVERAL CONSIDERATIONS THAT WOULD BE
7 IMPORTANT IN ENSURING THAT THERE IS -- THAT THE
8 REPURPOSING IS ETHICAL AND SCIENTIFICALLY
9 APPROPRIATE.

10 DID I STATE THAT ALL RIGHT, GEOFF AND
11 BERNIE?

12 CHAIRMAN LO: THAT'S VERY HELPFUL. THANK
13 YOU.

14 DR. ROBERTS: OKAY. SO ANOTHER THING
15 THAT'S IMPORTANT TO TAKE INTO ACCOUNT IS THAT
16 THERE'S AN ASSUMPTION HERE THAT THE ORIGINAL
17 COLLECTION WAS DONE UNDER THE MINIMUM CORE ETHICAL
18 STANDARDS THAT ARE REQUIRED FOR THE COLLECTION OF
19 BIOSPECIMENS. SO THEY WOULD HAVE MET THE COMMON
20 RULE REQUIREMENTS, THE NIH GUIDELINES, AND CIRM
21 REGULATIONS. AND NOW THE QUESTION IS WHAT
22 ADDITIONAL CONSIDERATIONS SHOULD CIRM LOOK TO AND,
23 WELL, NIH, AND THIS IS A COLLABORATION, SHOULD
24 RESEARCHERS LOOK TO IN REPURPOSING THESE SPECIMENS.

25 SO INITIALLY ONE QUESTION I HAD WAS

BARRISTERS' REPORTING SERVICE

1 WHETHER IT CAN BE ASSUMED IN ALL CASES THAT ANY
2 BIOSPECIMENS THAT WERE GOING TO BE REPURPOSED IN
3 THIS WAY WOULD HAVE BEEN COLLECTED UNDER THESE
4 MINIMAL CORE ETHICAL STANDARDS. IN OTHER WORDS, CAN
5 WE ASSUME THAT VOLUNTARY AND INFORMED CONSENT WAS
6 GIVEN BY THE ORIGINAL DONORS AND THAT IT WAS GIVEN
7 UNDER THE OVERSIGHT OF AN IRB IN EVERY CASE? IS
8 THAT THE CASE?

9 DR. LOMAX: THE BASELINE ASSUMPTION WOULD
10 BE IT WOULD MEET THE COMMON RULE REQUIREMENTS FOR
11 REVIEW AND CONSENT, ONLY BECAUSE YOU MENTIONED CIRM
12 AND NIH, BUT CIRM ACTUALLY DOES CITE BACK TO THE
13 COMMON RULE. SO IN REALITY WE DON'T PROVIDE A VALUE
14 ADD THERE. IT'S SIMPLY THE COMMON RULE.

15 DR. ROBERTS: THE COMMON RULE WOULD HAVE
16 BEEN FOLLOWED, AND THERE WOULD BE OVERSIGHT BY AN
17 IRB?

18 DR. LOMAX: EXCEPT IN THE CASE IF IT WERE
19 THE -- IF THE SPECIMEN -- JUST TO POINT OUT, WE WILL
20 ALSO ENGAGE INTERNATIONAL STAKEHOLDERS, SO THERE MAY
21 BE CONSIDERATIONS. TYPICALLY THERE IS REFERENCE TO
22 AN OVERSIGHT BODY THAT WOULDN'T NECESSARILY BE
23 CALLED AN IRB IF IT WERE AN INTERNATIONAL SITUATION.

24 DR. ROBERTS: RIGHT. SO THAT WAS A
25 QUESTION I HAD BECAUSE ON PAGE 2 UNDER BASELINE

BARRISTERS' REPORTING SERVICE

1 POLICY REQUIREMENTS, IT SAYS, "THESE CORE STANDARDS
2 GENERALLY INCLUDE VOLUNTARY AND INFORMED CONSENT AND
3 OVERSIGHT BY AN IRB OR EQUIVALENT." I GUESS WOULD
4 THE GUIDELINES THAT WE ARE BEING ASKED TO ACHIEVE
5 CONSENSUS ON TODAY, WOULD THEY SPECIFY ALL OF THIS,
6 THAT THESE MINIMUM CORE ETHICAL STANDARDS MUST HAVE
7 BEEN MET?

8 DR. LOMAX: YES. WE CAN MAKE THAT MORE
9 EXPLICIT IF THERE'S A SENSE THAT THAT'S NOT CLEAR.

10 DR. ROBERTS: MY SENSE READING THIS WAS
11 THAT IT WAS ASSUMED THAT THEY WOULD HAVE BEEN MET,
12 BUT I WONDERED IF THAT SHOULD BE STATED AS A
13 REQUIREMENT. I WAS THINKING ABOUT THE SITUATION OF
14 BIOMEDICAL SPECIMENS THAT WERE COLLECTED
15 INTERNATIONALLY, THAT WAS EXACTLY THE SITUATION, OR
16 A NONUNIVERSITY CONTEXT WHERE I DON'T KNOW IF WE CAN
17 ASSUME THAT AN IRB EQUIVALENT AGENCY WAS SUPERVISING
18 OR WHAT THE INFORMED CONSENT REQUIREMENTS ARE. AND
19 THAT WAS THE QUESTION THAT CAME UP RIGHT AWAY FOR
20 ME.

21 DR. LOMAX: THIS IS SOMETHING -- ONE OF
22 THE THINGS WE INTEND TO DO IS CONVENE A WORKSHOP,
23 AND WE HAVE INVITED A NUMBER OF INTERNATIONAL
24 STAKEHOLDERS. AND I WOULD SUGGEST THAT WE COME BACK
25 TO YOU WITH SOME TYPE -- THIS IS NOT A NEW ISSUE, I

BARRISTERS' REPORTING SERVICE

1 KNOW, CERTAINLY BECAUSE OF CLINICAL TRIALS AND
2 RESEARCH ISSUES -- WHAT THE COMMON FORMULATION IS OF
3 THAT REQUIREMENT. AND, ROSIE, I DON'T KNOW IF YOU
4 HAVE A QUICK COMMENT THERE. ROSIE IS WORKING, SHE'S
5 COLLABORATING AND SHE'S LISTENING TO THIS AS WELL.
6 BUT I THINK WHAT I'M HEARING IS THERE NEEDS TO BE
7 PROBABLY A STRONGER, A MORE DEFINITIVE
8 CHARACTERIZATION OF WHAT THAT OVERSIGHT REQUIREMENT
9 IS.

10 MS. ISASI: YES. HELLO, EVERYBODY. THIS
11 IS ROSARIO ISASI. I'M FROM THE INTERNATIONAL STEM
12 CELL FORUM. WE ARE PARTNERS IN THIS PROJECT WITH
13 CIRM AND NIH.

14 YES, IT'S A VERY VALID COMMENT TO MAINLY
15 STATE THIS PROVISION IN A MORE AUTHORITATIVE WAY.
16 JUST FROM OUR EXPERIENCE WITH INTERNATIONAL
17 PARTNERSHIP AND INTERNATIONAL ETHICS AND POLICY
18 COMPARATIVE WORK, WE CAN SEE THAT THERE'S ALWAYS
19 ETHICS REVIEW EQUIVALENT. THE OVERSIGHT MECHANISM
20 GOES ACROSS INTERNATIONAL JURISDICTIONS AS WELL AS
21 THE FUNDAMENTAL ESSENTIAL REQUIREMENTS FOR INFORMED
22 CONSENT.

23 I KNOW THAT SOMEBODY WILL SAY THE TRICK IS
24 IN DETAILS, AND THE ISSUE BECOMES HOW TO JUDGE
25 OVERSIGHT, PARTICULARLY ETHICS REVIEW PERFORMED IN

BARRISTERS' REPORTING SERVICE

1 OTHER JURISDICTIONS, BUT THAT'S A SEPARATE ISSUE.
2 BUT, AGAIN, I THINK THIS IS VERY STANDARD ACROSS
3 MOST INTERNATIONAL PARTNERSHIPS AND COLLABORATIONS
4 AND ACROSS THE COUNTRIES IN ALL THE POLICIES, BUT IT
5 COULD BENEFIT THIS TEXT FOR IMPROVING THE LANGUAGE.

6 DR. ROBERTS: YEAH. I GUESS FOR ME IT'S,
7 INSTEAD OF ASSUMING IT'S THE BASELINE, IT WOULD BE A
8 REQUIRED BASELINE.

9 MS. ISASI: YES.

10 DR. ROBERTS: THAT'S HOW I WOULD LOOK AT
11 IT. I DON'T KNOW IF ANY OF THE OTHER STANDARD
12 WORKING GROUP MEMBERS WANT TO COMMENT ON THIS
13 BASELINE QUESTION BEFORE WE MOVE ON TO THE
14 STATEMENT.

15 DR. PETERS: I'M JUST WONDERING WITH
16 REGARD TO THE ETHICAL STANDARDS IN WHICH THE
17 BIOSPECIMENS WERE ORIGINALLY DRAWN, DOES THIS
18 INCLUDE THE DISCUSSION ABOUT COMPENSATION, OR IS
19 THIS A DIFFERENT MATTER?

20 DR. ROBERTS: WELL, I THINK THAT'S AN
21 INTERESTING QUESTION BECAUSE I THINK GEOFF, AND YOU
22 CAN SPEAK FOR YOURSELF, GEOFF, I THINK GEOFF WAS
23 THINKING OF THIS AS A SEPARATE MATTER; IS THAT
24 CORRECT, GEOFF? I THINK THAT'S PART OF -- THE SCOPE
25 OF THE STATEMENT IS THAT THESE WERE COLLECTED

BARRISTERS' REPORTING SERVICE

1 SPECIFICALLY FOR RESEARCH PURPOSES. BUT, AGAIN, YOU
2 READ THAT AND THERE'S KIND OF AN ASSUMPTION THAT
3 IT'S NOT FOR COMPENSATION, BUT I DON'T KNOW THAT
4 THAT'S NECESSARILY THE CASE. HOW WOULD YOU ANSWER
5 THAT?

6 DR. LOMAX: I THINK THAT'S AN AREA
7 WHERE -- SO THIS COMES UP ALL THE TIME WITH CIRM
8 GRANTEES, AND THEY'RE ADVISED TO HAVE NO
9 COMPENSATION FOR EVEN -- PEOPLE TYPICALLY WANT TO DO
10 THINGS LIKE EVEN, THIS IN THE CASE OF BLOOD OR SKIN,
11 DO THEY GIVE EVERYONE LIKE A GIFT CERTIFICATE OR
12 SOMETHING. IF YOU RECALL, WE ACTUALLY HAD A
13 STANDARDS WORKING GROUP MEETING WHERE WE CONSIDERED
14 THAT AND DECIDED, OUT OF CONCERN FOR LANGUAGE IN
15 PROP 71, THAT IT SHOULD JUST BE STRAIGHT NO
16 COMPENSATION. AND WE'VE ADVISED OUR GRANTEES
17 REPEATEDLY ON THAT SITUATION, AND THEY CAN MAKE THAT
18 WORK.

19 SO IN A CIRM SETTING THAT'S ABSOLUTELY
20 CORRECT, BUT INTERNATIONALLY AND NATIONALLY THAT'S A
21 LEVEL THAT JUST VARIES. THERE ARE OFTEN, IF YOU
22 THINK OF COMPENSATION AS SOMEONE MIGHT GET A STIPEND
23 OR SOME AMOUNT OF REIMBURSEMENT FOR GIVING A BLOOD
24 SAMPLE OR SOMETHING, THAT CERTAINLY CAN HAPPEN. WE
25 DIDN'T DISCUSS -- THAT ISSUE DID NOT COME UP OR WAS

BARRISTERS' REPORTING SERVICE

1 NOT INCORPORATED INTO THE THINKING IN THIS DOCUMENT.
2 SO I DON'T KNOW IF THAT ANSWERS YOUR QUESTION, BUT
3 THAT'S ONE THAT WOULD ADD ANOTHER LAYER. YOU'D HAVE
4 TO SORT OF LOOK BACK TO THE PROTOCOL AND MAKE THAT
5 DETERMINATION, BUT WE HAVEN'T ADDRESSED IT HERE.

6 DR. PETERS: THANK YOU VERY MUCH.

7 CHAIRMAN LO: DOROTHY, CAN I MAKE A
8 COMMENT HERE ABOUT YOUR EARLIER COMMENT ABOUT THE
9 ASSUMPTION THAT THE COMMON RULE REQUIREMENTS ARE
10 MET?

11 DR. ROBERTS: RIGHT.

12 CHAIRMAN LO: AS I REREAD THIS SECTION,
13 AND I'M TRYING TO SEE, PAGE 2, RIGHT-HAND COLUMN,
14 SECOND PARAGRAPH, IT STRIKES ME THAT, AS YOU SO
15 NICELY PUT IT, IT'S ASSUMED, BUT NOT EXPLICITLY
16 STATED THAT THE COMMON IRB INTERPRETATION OF NOT
17 NEEDING EXPLICIT CONSENT TO USE MATERIALS IN
18 RESEARCH IF THE MATERIALS WERE ORIGINALLY COLLECTED
19 FOR CLINICAL CARE AND NOW NO LONGER ARE NEEDED FOR
20 CARE AND DEIDENTIFIED. AS YOU KNOW, THAT IS
21 CONSIDERED UNDER THE COMMON RULE TO BE NONHUMAN
22 SUBJECTS RESEARCH ONCE IT'S DEIDENTIFIED.

23 AND WE HAD SAID PREVIOUSLY THAT WE WOULD
24 WANT -- WE WOULD HAVE A HIGHER STANDARD, THAT WE
25 WOULD WANT EXPLICIT CONSENT TO DONATE FOR RESEARCH.

BARRISTERS' REPORTING SERVICE

1 SO IT WOULDN'T BE A DOUBLE REPURPOSING FROM CLINICAL
2 COLLECTION TO RESEARCH TO IPSC DERIVATION. AND
3 FOLLOWING YOUR LINE OF MAKING EXPLICIT WHAT'S
4 IMPLICIT, THAT WOULD BE SOMETHING WE MIGHT WANT TO
5 DO. AGAIN, THAT WOULD HAVE THE EFFECT OF PERHAPS
6 EXCLUDING UNDER THESE STATEMENTS IPS LINES THAT ARE
7 DERIVED ELSEWHERE WITH THE LEFT-OVER CLINICAL
8 RESEARCH AND NOW DEIDENTIFIED -- LEFT OVER FROM
9 CLINICAL CARE AND NOW DEIDENTIFIED, OKAY TO USE FOR
10 RESEARCH WITHOUT FURTHER CONSENT.

11 DR. LOMAX: BERNIE, IF I CAN JUST ADD ON
12 THAT. WHEN WE ORIGINALLY TRIED TO STATE THE SCOPE
13 OF THIS PROJECT, WE DELIBERATELY AVOIDED DEALING
14 WITH THOSE MATERIALS. AGAIN, I WANT TO REMIND YOU
15 THAT THE UNIVERSE OF MATERIALS HERE WE'RE TALKING
16 ABOUT ARE MATERIALS THAT HAVE BEEN CONSENTED FOR
17 RESEARCH. AND THE REASON WE DIDN'T WANT TO DEAL
18 WITH THAT WAS BASED ON THE DISCUSSIONS YOU ALLUDED
19 TO PREVIOUSLY, THAT I INDICATED THAT CIRM -- WE
20 COULD NOT TAKE A POSITION THERE BECAUSE OF THE
21 PREVIOUS VIEWS OF THE STANDARDS WORKING GROUP.

22 CHAIRMAN LO: AGAIN, MY SUGGESTION,
23 FOLLOWING DOROTHY'S, IS TO JUST MAKE THAT A LITTLE
24 MORE EXPLICIT THAN THE LANGUAGE THAT'S ON PAGE 2
25 NOW.

BARRISTERS' REPORTING SERVICE

1 DR. LOMAX: ABSOLUTELY. THAT'S A FINE
2 COMMENT.

3 CHAIRMAN LO: DOROTHY, I LIKE YOUR IDEA --
4 FIRST I WANT TO ASK IF THERE ARE OTHER PEOPLE WHO
5 WANT TO COMMENT, BUT I LIKE YOUR IDEA OF COMMENTING
6 ON EACH STATEMENT AND MAYBE PAUSING FOR COMMENTS. I
7 THINK THAT'S VERY USEFUL.

8 DR. ROBERTS: SO I'LL MOVE ON, THEN, TO
9 STATEMENT 1, WHICH IS THAT A REVIEW HAS TO BE
10 PERFORMED TO ENSURE THAT THE IPSC DERIVATION AND
11 DISTRIBUTION ARE NOT SPECIFICALLY PRECLUDED BY OR
12 OTHERWISE IN CONFLICT WITH THE ORIGINAL INFORMED
13 CONSENT. IN OTHER WORDS, BEFORE THESE BIOSPECIMENS
14 COULD BE REPURPOSED, THERE WOULD HAVE TO BE A REVIEW
15 TO MAKE SURE THAT THERE'S NO CONFLICT IN THE
16 REPURPOSING WITH WHAT THE DONOR ORIGINALLY CONSENTED
17 TO, ESPECIALLY IF THERE'S SOME LIMITATION IN THE
18 ORIGINAL CONSENT THAT WOULD THEN NOT PERMIT THE
19 INTENDED REPURPOSING.

20 SO, FOR EXAMPLE, IF THE DONOR DONATED HER
21 CELLS TO STUDY A PARTICULAR DISEASE AND THE
22 IPSC-DERIVED LINES WERE GOING TO BE USED TO STUDY A
23 DIFFERENT DISEASE, THEN THERE WOULD BE A CONFLICT,
24 AND THAT WOULD PRECLUDE THE USE FOR THIS DIFFERENT
25 DISEASE.

BARRISTERS' REPORTING SERVICE

1 ALSO, STATEMENT NO. 5 GETS INTO MORE
2 DETAIL ABOUT COMMERCIAL PURPOSES; BUT IF THE
3 ORIGINAL DONOR DID NOT CONSENT TO THE USE OF THE
4 RESEARCH FOR COMMERCIAL PRODUCTS, THEN THE
5 REPURPOSING COULDN'T BE USED FOR COMMERCIAL
6 PRODUCTS. THOSE ARE JUST TWO EXAMPLES OF WHAT
7 STATEMENT 1 IS GETTING AT, BASICALLY TO AVOID
8 VIOLATING THE ORIGINAL CONSENT. THAT'S HOW I WOULD
9 PUT IT PLAINLY. IF THE ORIGINAL CONSENT WAS FOR A
10 PARTICULAR PURPOSE AND THE REPURPOSING IS GOING TO
11 VIOLATE THAT, THEN IT WOULD NOT BE ALLOWED. BUT THE
12 POINT OF STATEMENT 1 IS THAT THERE HAS TO BE SOME
13 REVIEW OF THE ORIGINAL INFORMED CONSENT TO SEE WHAT
14 THE REQUIREMENTS ARE.

15 SO ANY COMMENTS ON THAT STATEMENT?

16 DR. TAYLOR: I HAVE ONE. OBVIOUSLY I'M
17 NEW TO (INAUDIBLE) CONSEQUENCE OF DONOR'S
18 INTENTIONS. (INAUDIBLE) FUNDAMENTAL IMPORTANCE.

19 I'M CURIOUS HERE. OBVIOUSLY THERE ARE TWO
20 SITUATIONS WHERE, BOTH IN THE CONTEXT OF PRIVACY AND
21 IN THE CONTEXT OF RESEARCH GENERALLY, IT IS POSSIBLE
22 TO MODIFY PURPOSES THE DONOR'S CONSENT WHERE THE
23 CIRCUMSTANCES ARE FOR VARYING CRITERIA. I'M NOT AN
24 ADVOCATE ONE WAY OR ANOTHER. THOSE ARE NOT HERE.
25 I'M JUST NOTICING THE CONTEXT OF, SAY, (INAUDIBLE).

BARRISTERS' REPORTING SERVICE

1 THERE'S TWO OTHER IMPORTANT CONTEXTS. IT IS
2 POSSIBLE TO FIND THAT A PROPOSED PURPOSE IS IN
3 DIRECT CONFLICT AND STILL TO SEEK A REVIEW BOARD'S
4 POWER, REVIEW, FOR PURPOSES OF REPURPOSING
5 (INAUDIBLE) COMPELLED (INAUDIBLE) POSSIBLE. THAT'S
6 ONE CONTEXT.

7 THE OTHER, OF COURSE, IS THE
8 DEIDENTIFICATION. ALTHOUGH IT'S MUCH DISPUTED,
9 RIGHTLY SO, OF WHETHER OR NOT THE SUBSEQUENT
10 IDENTIFICATION OF CELLS ALLOWS THEM TO BE USED FOR
11 THIS PURPOSE ON THE GROUND THAT THEY'RE NOT HUMAN
12 SUBJECTS RESEARCH. PERSONALLY I THINK I SIDE WITH
13 THE PEOPLE WHO THINK (INAUDIBLE). WHY THE RULE MUST
14 BE MORE STRINGENT FOR IPS CELLS HERE IN THIS
15 CONTEXT.

16 DR. ROBERTS: WELL, UNDER THE DISCUSSION
17 SECTION ON PAGES 3 AND 4, THERE IS AN EXCEPTION NO.
18 2 FOR THERE IS A PARTICULARLY COMPELLING SCIENTIFIC
19 REASON TO USE A PARTICULAR COLLECTION OF SPECIMENS.
20 IT'S NOT FEASIBLE TO RECONTACT PARTICIPANTS TO GET
21 THEIR SPECIFIC CONSENT AND THE REQUIRED IRB WAIVER
22 IS OBTAINED. SO IT DOES ALLOW FOR THAT. I WAS
23 HOPING TO GET INTO SOME DISCUSSION ABOUT THAT AFTER
24 WE FINISH THE STATEMENTS, BUT THERE IS THAT.

25 AS BERNIE AND GEOFF WERE JUST DISCUSSING,

BARRISTERS' REPORTING SERVICE

1 THERE WAS A DECISION MADE TO BE MORE RESTRICTIVE
2 THAN THE COMMON RULE WOULD ALLOW AND NOT
3 CONSIDER -- OH, THAT WAS FOR CLINICAL PURPOSES. SO
4 YOU'RE RAISING THE QUESTION FOR REPURPOSING NOT FROM
5 CLINICAL TO RESEARCH, BUT DEIDENTIFYING AS A WAY --

6 DR. TAYLOR: IN THIS CONTEXT.
7 (INAUDIBLE). WHERE IS THE GENERAL STATEMENT FOR THE
8 EXCEPTION, LOOKING FOR EXCEPTIONS GIVEN THE FACT
9 THEY'RE BASICALLY, FROM SOME PEOPLE'S PERSPECTIVE,
10 NOT SIMPLY RESEARCH TISSUES, BUT ONE COULD
11 (INAUDIBLE) THEY'RE TRADING USE LIKE BASEBALL CARDS
12 IN THE SENSE THAT THEIR DEVICES. THEY'RE NOT
13 ENTERING TRIALS, FOR EXAMPLE, CREATING HUMAN BEINGS.

14 DR. LOMAX: PAT, CAN I GIVE YOU KIND OF
15 SOMETHING WE'VE GLEANED. ONE OF THE GROUPS THAT
16 WE'VE SORT OF TALKED TO AND WE'VE ASKED TO SORT OF
17 LOOK AT THIS ARE SOME OF THE BANKS THEMSELVES. SO
18 THE SCENARIO YOU'RE DESCRIBING MAY WELL OCCUR WITHIN
19 AN INSTITUTION, WITHIN AN INSTITUTIONAL RESEARCH
20 SETTING, BUT THE INDICATIONS WE'VE HAD FROM SOME OF
21 THE MAJOR BANKING ORGANIZATIONS IS THEY WOULD BE
22 PRETTY HESITANT TO TAKE A TRANSFORMED CELL AND
23 REDISTRIBUTE THAT THROUGH A BANKING PROTOCOL.

24 SO IT'S REALLY THE SECOND STEP THAT I
25 THINK GIVES FOLKS HESITATION TO DO THAT THROUGH THE

BARRISTERS' REPORTING SERVICE

1 SCENARIO. SO I IMAGINE THAT WORK IS GOING ON QUITE
2 FREQUENTLY WITHIN AN INSTITUTIONAL SETTING, BUT THEY
3 WOULDN'T NECESSARILY WANT TO THEN -- A NATIONAL BANK
4 WOULDN'T NECESSARILY WANT TO PICK THAT UP. AGAIN, I
5 SUPPOSE THERE COULD BE AN EXTRAORDINARY CIRCUMSTANCE
6 WHERE YOU'VE GOT SOMETHING OF SUCH SCIENTIFIC VALUE,
7 AND THAT WAS SORT OF WHAT LED TO THE DISCUSSION AT
8 THE BACK OF THE DOCUMENT THAT DOROTHY ROBERTS WAS
9 ALLUDING TO.

10 DR. TAYLOR: GOING IN AN OPPOSITE
11 DIRECTION, I CAN IMAGINE CIRCUMSTANCES LIKE IN THE
12 (INAUDIBLE) EXAMPLE --

13 CHAIRMAN LO: I'M SORRY. PAT, I'M HAVING
14 TROUBLE HEARING YOU. CAN YOU SPEAK UP AND A LITTLE
15 BIT SLOWER PLEASE?

16 DR. TAYLOR: ABSOLUTELY. I CAN IMAGINE
17 SOME CIRCUMSTANCES AS IN THE CASE OF THE CELLS
18 SUBJECT OF THE RECENT NIH SETTLEMENT IN WHICH UNDER
19 PRIVACY INTERESTS THAT PEOPLE WERE FAIRLY CAPTURED
20 BY EXCLUSIVE TERMS OF THE CONSENT. I'M WONDERING IF
21 THERE'S A REVIEW TO LOOK FOR SUCH ISSUES AS WELL.
22 I'M JUST SORT OF RELYING ON EXPLICIT TERMS OF THE
23 CONSENT. I MEAN I ACTUALLY PARTICULARLY
24 UNDERSTOOD -- BERNIE IS CERTAINLY MORE THAN AWARE OF
25 ALL THE ISSUES WITH GENERAL CONSENTS. AND SINCE

BARRISTERS' REPORTING SERVICE

1 WE'RE GETTING MORE PRIVILEGE IN GENERAL CONSENTS
2 (INAUDIBLE).

3 DR. ROBERTS: WELL, I THINK THAT'S AN
4 IMPORTANT QUESTION. TO ME I SEE THE PURPOSE OF
5 THESE STATEMENTS AS TRYING TO GO FROM -- TRYING TO
6 ADDRESS THE CONCERNS ABOUT A GENERAL CONSENT. ON
7 THE OTHER HAND, I THINK I DO HAVE THAT QUESTION ALSO
8 ABOUT A CONSENT THAT, FOR EXAMPLE, TO DO RESEARCH
9 WHERE IT WAS UNDERSTOOD THAT IT WAS FOR A PARTICULAR
10 DISEASE, BUT WHAT IF THE CONSENT FORM DIDN'T SPECIFY
11 THAT DISEASE? I'M THINKING OF THIS BECAUSE OF THE
12 RECENT SETTLEMENT BETWEEN ARIZONA STATE AND THE
13 HAVASUPAI INDIAN TRIBE WHERE THE TRIBAL MEMBERS
14 DONATED DNA TO STUDY DIABETES. AND THERE'S SOME
15 DISPUTE ABOUT EXACTLY TO WHAT EXTENT THE RESEARCHER
16 WAS THEN GOING TO USE THE SAMPLES TO STUDY
17 SCHIZOPHRENIA. BUT AT ANY RATE, THE INDIAN TRIBE
18 SUED BECAUSE OF THAT, AND THERE WAS A SETTLEMENT
19 LAST YEAR OR THE YEAR BEFORE.

20 AND THERE WAS A CASE WHERE THE DONORS
21 DONATED DNA FOR ONE PARTICULAR PURPOSE, A STUDY OF A
22 PARTICULAR DISEASE, AND THE RESEARCHERS WERE GOING
23 TO USE IT TO STUDY A DIFFERENT DISEASE.

24 WHAT IF THE CONSENT FORM DOESN'T SPECIFY
25 ANY DISEASE? IS THE ASSUMPTION, THEN, THAT IT CAN

BARRISTERS' REPORTING SERVICE

1 BE USED TO STUDY A DIFFERENT DISEASE THAN THE
2 SPECIMEN WAS ORIGINALLY COLLECTED? I DON'T KNOW IF
3 THAT MAY BE A QUESTION OF A GENERAL CONSENT THAT'S
4 BEING RELIED ON.

5 CHAIRMAN LO: I WANT TO FOLLOW UP ON, I
6 THINK, THE VERY IMPORTANT DISCUSSION. FIRST, THE
7 PARENTHESES AT THE END OF STATEMENT 1 SAYING THAT
8 IT'S NOT JUST THE CONSENT FORM, BUT IT REFERS TO
9 OTHER MATERIALS. AND I THINK WE ALL LIKE TO SAY
10 CONSENT IS A PROCESS, NOT A FORM, AND THAT THERE'S
11 ORAL COMMUNICATION BACK AND FORTH BETWEEN THE
12 RESEARCHER AND THE PARTICIPANT. BUT OBVIOUSLY IT'S
13 HARD TO ASCERTAIN WHAT EXACTLY WAS SAID. AND SO WE
14 TEND TO GO BACK TO THE FORM AS BEING SORT OF AGREED
15 UPON.

16 BUT I THINK THE CASE -- I FORGET, PAT,
17 WHETHER IT WAS YOU OR DOROTHY, THAT THE FORM SAID
18 ONE THING, BUT THERE WAS GOOD EVIDENCE THAT THE
19 DISCUSSION WENT IN A DIFFERENT DIRECTION, THAT WE
20 WOULD NOT LET THE FORM OVERRIDE CLEAR EVIDENCE THAT
21 SOMETHING ELSE WAS AGREED UPON IN THE DISCUSSION.
22 SO I GUESS ONE WAY TO FIX THAT IS TO AMEND THAT
23 PARENTHESES TO INCLUDE ORAL DISCUSSIONS BETWEEN THE
24 RESEARCHER AND THE PARTICIPANT, KNOWING THAT IT MAY
25 BE HARD TO ASCERTAIN WHAT ACTUALLY WAS SAID.

BARRISTERS' REPORTING SERVICE

1 BUT THERE'S ANOTHER POINT THAT, PAT, YOU
2 RAISED ABOUT -- HOW DID YOU PUT IT -- PRIVILEGING
3 THE GENERAL CONSENT FORM. JEFF BOTKIN, THIS CAME UP
4 IN THE NIH EMBRYO PANEL THAT YOU CHAIRED, THAT THERE
5 WAS AT LEAST ONE EXAMPLE THAT I CAN REMEMBER WHERE
6 BY TRYING TO BE A LITTLE MORE SPECIFIC TO THE
7 PROSPECTIVE DONOR AS TO WHAT THE CELLS WOULD BE USED
8 FOR, THEY MENTIONED A SPECIFIC DISEASE THAT WAS
9 CLEARLY IN THE HIGH PRIORITIES OF THE RESEARCH TEAM,
10 BUT THEN THAT WAS LATER -- THAT PROVISION LED TO THE
11 VERY QUESTION OF, GOSH, DOES THAT THEN PRECLUDE IT
12 IF YOU SAY WILL BE USED FOR DISEASE X OR CERTAINLY
13 ONLY FOR DISEASE X, DOES IT PRECLUDE USING IT FOR
14 OTHER DISEASES? AND THAT WOULD THEN PROVIDE IN A
15 SENSE AN INCENTIVE FOR USING A GENERAL CONSENT THAT
16 SAYS LESS ABOUT WHAT WAS GOING TO HAPPEN WITH THE
17 SPECIMEN.

18 THE IDEAL THING, I SUPPOSE, IF YOU SAY THE
19 RESEARCH TEAM CURRENTLY IS PARTICULARLY INTERESTED
20 IN DISEASE X; HOWEVER, IT MAY BE THAT YOUR SPECIMEN
21 WILL BE OF USE OR THE IPS LINE DERIVED FROM IT WILL
22 BE OF USE FOR STUDYING OTHER DISEASES AND SO,
23 THEREFORE, WE WOULD LIKE TO REQUEST YOUR AGREEMENT
24 FOR IT TO BE USED MORE BROADLY. I THINK THAT WOULD
25 BE WHAT YOU'D LIKE TO SEE, BUT I CAN SEE PAT'S

BARRISTERS' REPORTING SERVICE

1 POINT, THAT THE RESEARCHER MAY PERCEIVE AN ADVANTAGE
2 TO SAYING LESS ABOUT WHAT YOU'RE GOING TO DO, BUT
3 THAT UNDERCUTS THE NOTION THAT PEOPLE WANT TO
4 KNOW -- THE MORE INFORMATION PEOPLE KNOW ABOUT WHAT
5 THE PURPOSE WILL BE, THE MORE INFORMED THEIR CONSENT
6 WILL BE IN GENERAL.

7 DR. ROBERTS: THE PROBLEM WITH THAT,
8 THOUGH, BERNIE, IS THAT WHAT YOU'RE DESCRIBING IS
9 WHAT TO DO PROSPECTIVELY.

10 CHAIRMAN LO: ABSOLUTELY.

11 DR. ROBERTS: BUT THE PROBLEM HERE IS
12 WE'RE DEALING WITH A CONSENT FORM THAT MAY HAVE BEEN
13 SIGNED TEN YEARS AGO OR 20 YEARS AGO --

14 CHAIRMAN LO: YOU'RE ABSOLUTELY RIGHT.

15 DR. ROBERTS: -- WHEN THERE WAS NO EVEN
16 CONTEMPLATION OF THIS REPURPOSING. AND SO I THINK
17 IT'S VERY -- WHAT YOU SAID ABOUT DOES IT SAY I
18 DONATE MY CELLS FOR THE STUDY OF, LET'S SAY,
19 DIABETES, DOES THAT MEAN IT CAN'T BE USED FOR THE
20 STUDY OF ANY OTHER DISEASE, OR IT ONLY CAN BE USED
21 FOR IT IF IT SAYS I DONATE MY CELLS ONLY FOR THE
22 STUDY OF A PARTICULAR DISEASE? BUT THAT'S -- I
23 DON'T KNOW IF THAT'S PERFECTLY CLEAR IN STATEMENT 1.

24 IT DOES SAY A SPECIMEN WILL BE USED ONLY
25 TO STUDY A PARTICULAR DISEASE OR CONDITION. DOES

BARRISTERS' REPORTING SERVICE

1 THAT MEAN THAT IT'S ONLY PRECLUDED IF THE WORD
2 "ONLY" IS USED? I WOULD THINK THAT IN MANY CASES
3 PEOPLE DONATE CELLS TO STUDY A PARTICULAR DISEASE,
4 BUT THEY MAY NOT SPECIFY IT OR THEY MAY NOT SAY
5 ONLY. IT'S HARD TO TELL WHETHER THEY CARE IF IT
6 WERE USED TO -- THEIR CELLS WERE USED TO STUDY
7 ANOTHER DISEASE OR NOT IF THEY DIDN'T USE THE WORD
8 "ONLY."

9 DR. LOMAX: CAN WE OFFER A PUBLIC COMMENT
10 HERE BECAUSE WE HAVE AN INSTITUTIONAL
11 REPRESENTATIVE?

12 CHAIRMAN LO: THAT WOULD BE HELPFUL.

13 MS. DELANDA: MY NAME IS BERTHA DELANDA.
14 AND I'M FROM THE RESEARCH COMPLIANCE OFFICE AT
15 STANFORD UNIVERSITY, AND I WORK AS A PANEL MANAGER
16 FOR THE PANEL THAT OVERSEES THE IRB AND THE STEM
17 CELL RESEARCH IN COMBINATION. I KIND OF JUST WANTED
18 TO EXPAND ON THAT POINT, THAT THIS DID COME UP WITH
19 OTHER DISCUSSIONS WITHIN MY GROUP REGARDING THE
20 CONSENT AND WHAT IS IT LIMITED TO.

21 IT WAS MORE HELPFUL FOR US TO DISCUSS WHAT
22 A REASONABLE PERSON WOULD NOT ALLOW AND NOT WHAT
23 THEY DID ALLOW FOR THE VERY SAME REASON THAT YOU
24 JUST TALKED ABOUT, THAT SOMEONE WOULD SIGN A CONSENT
25 FORM STATING THAT, FOR EXAMPLE, THEY WOULD BE OKAY

BARRISTERS' REPORTING SERVICE

1 TO USE THEIR SAMPLES FOR DIABETES, AND IT WAS
2 DOUBTFUL WHETHER THEY HAD TO BE RECONTACTED TO SAY
3 BUT WOULD YOU ALSO USE IT TO CURE CANCER. WOULD
4 THERE BE AN OBJECTION TO THAT?

5 IT WAS MORE FOCUSED ON WHAT THEY WOULD NOT
6 ALLOW IN REGARDS TO LIKE SOME PEOPLE HAVE AVERSIONS
7 TO ANIMAL RESEARCH, OR SOME PEOPLE DON'T WANT TO
8 HAVE ANYTHING TO DO WITH A STUDY THAT HAS TO DO WITH
9 THE DESTRUCTION OF EMBRYOS. SO FOR US IT WAS JUST
10 BETTER TO FOCUS ON WHAT WOULD THEY NOT REASONABLY
11 ALLOW AND NOT WHAT THEY WOULD ALLOW. AND I THINK
12 THAT WORD "ONLY" SHOULD BE UNDERLINED AND BOLDED SO
13 THAT IT VERY, VERY SPECIFICALLY STATES SOMETHING AND
14 WE SHOULDN'T GO ABOVE THAT.

15 DR. ROBERTS: THAT'S VERY HELPFUL,
16 ALTHOUGH I WONDER WHAT THAT QUESTION WOULD HAVE
17 ELICITED IN THE CASE OF THE HAVASUPAI WHO DONATED
18 DNA FOR THE STUDY OF DIABETES, BUT OBJECTED
19 VEHEMENTLY TO ITS USE TO STUDY SCHIZOPHRENIA. NOW,
20 I HAVEN'T READ THE CONSENT FORM, SO I DON'T KNOW IF
21 IT SAID ONLY DIABETES. BUT JUST HYPOTHETICALLY, IT
22 MIGHT BE HARD TO KNOW WHAT A DONOR WOULD NOT WANT.
23 ALTHOUGH I AGREE IT'S PROBABLY MORE HELPFUL TO ASK
24 THAT THAN THE OTHER WAY AROUND.

25 AND THE STATEMENTS HERE DO HIGHLIGHT TWO

BARRISTERS' REPORTING SERVICE

1 AREAS WHERE THE QUESTION IS WHAT THEY WOULD NOT
2 ALLOW, AND YOU WANT EXPLICIT CONSENT. AND ONE IS
3 COMMERCIAL USE AND THE OTHER IS HUMAN
4 TRANSPLANTATION.

5 MAYBE WHAT WE NEED TO BE THINKING OF, ARE
6 THERE OTHER USES THAT A REASONABLE PERSON WOULD NOT
7 ALLOW THAT SHOULD BE ADDED TO THE TWO THAT ARE
8 INCLUDED HERE? THAT MAY BE ANOTHER APPROACH.

9 DR. LOMAX: AND WE CAN -- DOROTHY, I'M
10 MAKING NOTES HERE. WHAT I ANTICIPATE COMING OUT OF
11 THIS DISCUSSION IS A SET OF CORE QUESTIONS THAT WE
12 WILL INCORPORATE INTO THE PROCESS MOVING FORWARD.
13 SO WE CAN CONTINUE TO SURVEY ON THIS AND REPORT BACK
14 TO YOU.

15 DR. ROBERTS: YEAH.

16 DR. BOTKIN: JUST A QUICK COMMENT. I
17 THINK THAT THIS -- I LIKE, FOR THE MOST PART, THE
18 LANGUAGE THAT'S HERE, AND I WOULD JUST SAY THAT
19 OBVIOUSLY FROM THE PERSPECTIVE OF OPERATING AT A
20 LEVEL THAT'S ABOVE WHAT'S REQUIRED, THAT'S MADE
21 CLEAR IN THE INTRODUCTORY PARAGRAPHS. THAT ASPECT
22 IS GOOD. THE FACT THAT YOU'RE ACTUALLY LOOKING AT
23 THE CONSENT FORM TO SEE WHAT PEOPLE SAID, EVEN IF
24 THE LINES HAVE BEEN DEIDENTIFIED, IS ABOVE COMMON
25 PRACTICE AND THE REGS. SO THAT ASPECT IS GOOD. I

BARRISTERS' REPORTING SERVICE

1 JUST THINK THE VAST MAJORITY OF CONSENT FORMS ARE
2 AMBIGUOUS IN THEIR LANGUAGE. YOU HAVE TO DRAW A
3 LINE, AND I THINK THE COMMON LINE OUT THERE IS TO
4 SAY THE USE SHOULD NOT BE INCONSISTENT WITH THE
5 CONSENT FORM. THAT'S SORT OF A BOTTOM LINE. IF YOU
6 SPECIFICALLY PRECLUDE IT, THEN WE'RE NOT GOING TO DO
7 IT.

8 BUT IF IT'S AMBIGUOUS, THEN IT'S GOING TO
9 BE A JUDGMENT CALL, JUST AS FOLKS ARE SAYING, ABOUT
10 WHAT WOULD A REASONABLE PERSON UNDERSTAND AFTER
11 HAVING READ THIS CONSENT FORM. AND I THINK EACH
12 INSTITUTION IS PROBABLY GOING TO HAVE A LITTLE
13 INSTITUTIONAL MEMORY ABOUT HOW THEY MADE THAT CALL
14 WITH SPECIFIC LANGUAGE IN THE CONSENT FORM.

15 DR. TAYLOR: THAT POINT IS REALLY WELL
16 TAKEN. I'M WONDERING IF WE OUGHT TO SAY SOMETHING,
17 AS JEFFREY SAID, ABOUT HOW AMBIGUITY IS TREATED.
18 I'LL GIVE YOU AN EXAMPLE. I GUESS THERE'S GROWING
19 EVIDENCE THAT AUTISM IS ACTUALLY CLOSELY RELATED
20 MECHANISMS AND MAY BE THE SOURCE TO AUTOIMMUNE
21 DISEASES OF BLOOD AND OTHER ONES. SO IF SOMEONE
22 LIMITS THEIR USE OF THEIR TISSUES TO STUDYING ONE OF
23 THOSE AUTOIMMUNE DISEASES, CAN IT BE USED TO STUDY
24 PARALLEL DEVELOPMENT OF AUTISTIC THINGS OR THE
25 EXTENT TO WHICH IT DEPENDS ON ROOTS? I COULD

BARRISTERS' REPORTING SERVICE

1 IMAGINE SOMEONE NOT WANTING (INAUDIBLE).

2 IN ANY SORT OF SENSE FOCUSING ON A DISEASE
3 ITSELF WOULD ACTUALLY FINALLY RESOLVE THE QUESTION
4 OF WHETHER OR NOT RESEARCH OUGHT TO BE DONE ON
5 SOMETHING THAT UNDERLIES IT. I WOULD EXPECT THAT TO
6 COME UP A LOT, AND MAYBE IT CAN BE DECIDED DIFFERENT
7 WAYS. PERHAPS THIS WAS TALKING ABOUT -- IN THE
8 (INAUDIBLE), WE LAY PEOPLE DON'T REALLY KNOW MANY OF
9 THESE THINGS, AND THERE MAY BE ARGUMENTS AROUND
10 UTILITY AND THEIR IMPORTANCE THAT MIGHT OTHERWISE BE
11 PRECLUDED BY SOME VIEW OF RIGID VIEW (INAUDIBLE) FOR
12 TREATING DIABETES.

13 CHAIRMAN LO: THIS IS A VERY IMPORTANT AND
14 USEFUL DISCUSSION. I'M WONDERING HOW MUCH SHOULD BE
15 IN THIS DOCUMENT WHICH I UNDERSTAND TO BE SORT OF A
16 HIGH LEVEL POINTS TO CONSIDER GUIDANCE. AND I THINK
17 AS SOMEBODY SAID, JEFF BOTKIN, THAT FORMS ARE OFTEN
18 AMBIGUOUS AND SOMEONE HAS TO MAKE A JUDGMENT CALL.
19 AND WE WOULD URGE THAT THE STANDARD EVERYONE SHOULD
20 ADHERE TO, THAT YOU SHOULD NOT BE INCONSISTENT WITH
21 WHAT THE CONSENT FORM SAID IN PLAIN LANGUAGE.
22 BEYOND THAT, I THINK PEOPLE HAVE TO DELIBERATE AND
23 MAKE A JUDGMENT CALL.

24 I THINK WHAT WE'RE GIVING IS A LOT OF
25 USEFUL, PRACTICAL ADVICE AS TO HOW TO MAKE THAT

BARRISTERS' REPORTING SERVICE

1 JUDGMENT, BUT I'M NOT SURE THAT BELONGS IN THIS
2 DOCUMENT. IT MAY BE SOMETHING THAT GEOFF CAN DO
3 WITH WORKSHOPS, FOR EXAMPLE.

4 I THINK THIS IS IMPORTANT, AND I'D ALMOST
5 LIKE TO SORT OF HAVE A SEPARATE ARTICLE THAT,
6 DOROTHY, YOU AND JEFF BOTKIN AND PAT TAYLOR MIGHT
7 WRITE. I'M JUST WONDERING. I DON'T WANT TO
8 OVERLOAD THIS DOCUMENT, WHICH I UNDERSTOOD TO BE
9 SORT OF A MUCH HIGHER LEVEL OF JUST RAISING THE
10 ISSUES. I THINK THE ISSUE THAT I MIGHT SUGGEST
11 ADDING IS THAT CONSENT FORMS ARE AMBIGUOUS, AND YOU
12 NEED TO REALLY DELIBERATE AND MAKE A JUDGMENT CALL
13 AND GIVE REASONS FOR IT, I SUPPOSE.

14 DR. TAYLOR: THAT SOUNDS GREAT, BERNIE. I
15 LIKE THE IDEA OF SPAWNING THE LITERATURE.

16 DR. ROBERTS: I THINK WE'VE JUST GOTTEN
17 MORE WORK. OKAY. THAT'S GOOD.

18 THE ONLY THING I WOULD ADD TO THAT IS
19 WHETHER, GIVEN THE SUGGESTION BY THE PUBLIC
20 COMMENTER -- I'M SORRY I'VE FORGOTTEN HER NAME --
21 THAT MORE ATTENTION BE PAID TO WHETHER THERE ARE ANY
22 OTHER CATEGORIES THAT A REASONABLE PERSON MIGHT NOT
23 INCLUDE AND HAVE ANTICIPATED IN A GENERAL CONSENT.

24 DR. WAGNER: I JUST WANT TO ADD ONE THING
25 ON THAT. ONE THING THAT I'D LIKE TO ADD, BECAUSE IT

BARRISTERS' REPORTING SERVICE

1 IS A GENERAL CONCERN INCREASINGLY, IS GENETIC
2 STUDIES. BECAUSE OF THE FACT THAT NOW, AS MORE AND
3 MORE INFORMATION IS COMING OUT ON GENOTYPES,
4 PARTICULARLY THOSE WITH GENETIC DISEASES, YOU CAN
5 ACTUALLY IDENTIFY THE PATIENT BASED ON WHAT'S
6 ACTUALLY REPORTED IN THE LITERATURE. SO THEY JUST
7 NEED TO BE TOLD THAT THERE IS ALSO THE POSSIBILITY
8 OF GENETIC STUDIES BEING DONE THAT CAN ACTUALLY
9 REVEAL WHO THEY ARE. AND INTERESTINGLY, THIS HAS
10 ALREADY OCCURRED IN REAL LIFE, SO THIS IS NOT
11 THEORETICAL.

12 SECONDLY, IF YOU'RE GOING TO DO WHOLE
13 GENOME TESTING, IF THERE'S ANY HINT OF THE ABILITY
14 TO GO BACK TO THE PATIENT, AT LEAST THEY NEED TO BE
15 AWARE OF THAT POSSIBILITY THAT YOU COULD DISCOVER
16 SOME UNDERLYING DISEASE FOR WHICH THEY DID NOT
17 CONSENT.

18 DR. LOMAX: ALAN, YOU WANT TO MAKE A
19 COMMENT?

20 DR. TROUNSON: I THINK IT'S A VERY GOOD
21 AND HEALTHY DISCUSSION. I THINK, JUST AS JOHN
22 WAGNER JUST SAID, THINGS ARE CHANGING. AND WE NEED
23 TO BE ABLE TO HAVE SOME WAY OF ADDRESSING THOSE
24 CHANGES AS THINGS MOVE ON IN TIME. CLEARLY
25 GENOTYPING WILL SOONER OR LATER IDENTIFY A PATIENT,

BARRISTERS' REPORTING SERVICE

1 IDENTIFY A SUBGROUP WHICH IDENTIFIES A PATIENT.
2 THE OTHER THING IS THAT IF THERE'S ONLY
3 WRITTEN INTO THE CONSENT ONLY FOR SUCH-AND-SUCH
4 DISEASE, THAT SEEMS PRETTY CLEAR. THE PRIMARY
5 PROBLEM, I THINK, GOING FORWARD IS THAT DISEASES ARE
6 GOING TO BE RECLASSIFIED BIOCHEMICALLY AND
7 GENETICALLY. AND YOU MIGHT HAVE DIABETES, BUT THAT
8 JUST MIGHT BE ONE ELEMENT OF A DIFFERENT DISEASE.
9 AND SO IT'S GOING TO BE VERY DIFFICULT, I THINK, IN
10 THE FUTURE TO SORT OF NECESSARILY SAY, WELL, THIS
11 DISEASE COVERS THIS CONDITION BECAUSE AS YOU DEFINE
12 IT BETTER METABOLICALLY, GENETICALLY, ETC., YOU
13 MIGHT FIND IT'S PART OF ANOTHER DISEASE AND NOT THE
14 DISEASE THAT WAS WRITTEN DOWN IN THE CONSENT FORM.
15 SO I DO THINK WE NEED TO HAVE SOME
16 THINKING ABOUT WHAT NEW INFORMATION WILL DO TO THE
17 CHANGES IN THE KIND OF CLASSIFICATION OF DISEASES.
18 THE INTENTION, I THINK, OF THE PERSON DONATING THE
19 MATERIAL WHEN THEY SAID ONLY I THINK IS PRETTY
20 CLEAR; BUT WHERE THEY DON'T SAY ONLY, IT WOULD SEEM
21 THAT THAT COULD BE SOMETIME PART OF A WIDER DISEASE
22 BECAUSE, I THINK AS PAT SAID, IF AUTISM IS AN
23 AUTOIMMUNE DISEASE, SUDDENLY WE'VE GOT A WIDE
24 VARIETY OF IMMUNE DISEASES THAT MAY BE VERY CLOSELY
25 RELATED TO AUTISM AND VERY MEANINGFUL IN RESPECT TO

BARRISTERS' REPORTING SERVICE

1 THAT.

2 SO I'M A LITTLE CONCERNED ABOUT WHAT THE
3 COURTS MIGHT THINK ABOUT THE INDIAN SITUATION
4 SLIGHTLY DIFFERENTLY IN THE FUTURE THAN THEY DID
5 WHEN THEY MADE THAT DECISION A FEW YEARS AGO.

6 BUT WE WOULD NEED TO, I THINK, BE CERTAIN
7 THAT THE KIND OF SPECIFICITIES THAT WE DEAL WITH
8 THESE DAYS ARE GOING TO CHANGE, ABSOLUTELY GOING TO
9 CHANGE, AS WE MOVE FORWARD, AND WE NEED TO BE ABLE
10 TO ACCOMMODATE THAT IN SOME WAY.

11 MS. LANSING: CAN I ADD TO ALAN WAS
12 SAYING? WHAT'S SO FRUSTRATING ABOUT THIS, AND I DO
13 BELIEVE WE HAVE TO FOLLOW THE GUIDELINES THAT WE
14 HAVE SET UP BECAUSE THERE'S NO WAY OF GOING BACK AND
15 ASKING A PATIENT THAT WE DON'T KNOW WHO THEY ARE OR
16 DECEASED. WHAT'S SO FRUSTRATING IS YOU CAN BE
17 WORKING ON A STEM CELL LINE THINKING YOU'RE FINDING
18 SOMETHING FOR DIABETES AND THEN YOU HAVE A CANCER
19 BREAKTHROUGH. THAT'S WHAT'S EQUALLY SO FRUSTRATING
20 ABOUT THE WHOLE THING. WE ALL KNOW WHEN JUST
21 RECENTLY THERE WAS A BREAKTHROUGH IN ONE DISEASE.
22 THEY WERE LOOKING FOR SOMETHING AND IT ENDED UP
23 HELPING CANCER PATIENTS.

24 DR. ROBERTS: THAT'S WHAT THE LANGUAGE
25 THAT WAS CIRCULATING BEFORE ABOUT NOT INCONSISTENT

BARRISTERS' REPORTING SERVICE

1 WITH THE CONSENT. I THINK THAT'S VERY HELPFUL
2 BECAUSE WHAT'S CONSISTENT AND WHAT ISN'T MIGHT
3 CHANGE DEPENDING ON THE SCIENCE. I THINK THAT KIND
4 OF GENERAL GUIDELINE IS HELPFUL. AND THEN THERE
5 WILL BE OTHER MORE SPECIFIC GUIDELINES FOR THINGS
6 LIKE COMMERCIAL USE AND HUMAN TRANSPLANTATION, BUT
7 STATEMENT NO. 1, TO LEAVE IT WITH THAT.

8 CHAIRMAN LO: I THINK THAT'S GOOD. AND I
9 THINK WE DO NEED TO MOVE ON. LET ME JUST SAY THE
10 LAST TWO COMMENTS, ALAN AND JOHN WAGNER, GO TO
11 STATEMENT 2 AND STATEMENT 4. JOHN'S COMMENTS WE
12 SHOULD INCORPORATE AS COMMENT, FEEDBACK WITH
13 STATEMENT 4. AND I THINK ALAN'S POINT IS VERY
14 GERMANE TO STATEMENT 2, THAT AS THE DISEASE TAXONOMY
15 CHANGES AND WE GO CLASSIFY IT MORE ON THE BASIS OF
16 MOLECULAR MARKERS OR MECHANISMS OF ACTION, EXACTLY
17 WHAT ALAN AND SHERRY WERE SAYING, YOUR LINE MAY BE
18 VALUABLE NOT JUST FOR DIABETES, BUT FOR CANCER OR
19 SOMETHING ELSE AND NOT INCONSISTENT WITH GIVES YOU A
20 BROADER RANGE OF SCIENTIFICALLY VALUABLE OPTIONS
21 THAT ARE PLAUSIBLY PERMITTED BY YOUR CONSENT.

22 SO NOT TO EXCLUDE THINGS WHERE IT JUST
23 MENTIONS THE DISEASE, BUT LEAVES OUT THE ONLY, I
24 THINK, IS IMPORTANT. BUT ALLUDING TO THE FACT THAT
25 DISEASE TAXONOMY WILL CHANGE, I THINK, WOULD BE

BARRISTERS' REPORTING SERVICE

1 HELPFUL TO HELP COMMITTEES INTERPRET THIS
2 DIFFERENTLY IN THE FUTURE THAN THEY MIGHT NOW.

3 DR. ROBERTS: MAYBE WE CAN GO -- WELL, WE
4 DEFINITELY NEED TO GO MORE QUICKLY THROUGH 2, 3, AND
5 4. SO TWO MAKES THE POINT THAT IF THE ORIGINAL
6 BIOSPECIMEN IS DESIGNED TO STUDY A PARTICULAR
7 DISEASE, THEN THE IPSC DERIVATION AND USE WOULD ALSO
8 BE -- FOR THAT DISEASE WOULD BE CONSISTENT WITH THIS
9 PURPOSE. THIS BASICALLY IS JUST SAYING, AS I READ
10 IT, THAT IF THE BIOSPECIMEN WAS COLLECTED FOR ONE
11 WAY OF STUDYING THE DISEASE, IT'S CONSISTENT IF STEM
12 CELL RESEARCH IS STUDYING THAT DISEASE. SO
13 OBVIOUSLY THERE WOULDN'T HAVE BEEN IN THE ORIGINAL
14 CONSENT AN EXPLICIT PERMISSION TO USE IT IN STEM
15 CELL RESEARCH. AND SO THIS IS JUST SAYING THE
16 CONSENT TO STUDY THAT DISEASE OR CONDITION IS
17 APPLIED TO STEM CELL RESEARCH.

18 THAT MAKES SENSE TO ME UNLESS THE CONSENT
19 FORM EXPLICITLY FOR SOME REASON EXCLUDED. THE
20 PERSON SAID I DO NOT WANT MY CELLS USED IN STEM CELL
21 RESEARCH. BUT OTHERWISE IT'S CONSISTENT WITH THE
22 INTENT OF THE DONOR IF THE STEM CELL RESEARCH IS FOR
23 THE INTENDED PURPOSE.

24 DR. TROUNSON: YOU'D HAVE TO DEFINE STEM
25 CELL RESEARCH BECAUSE IT WOULD BE SEEN DIFFERENTLY

BARRISTERS' REPORTING SERVICE

1 BY NIH.

2 DR. ROBERTS: I MEAN I WAS USING IT
3 BROADLY, BUT THE IPS DERIVATION AND USE.

4 DR. LOMAX: CORRECT. YEAH.

5 DR. ROBERTS: I DON'T KNOW IF ANYBODY HAS
6 ANY COMMENTS ON THAT.

7 DR. TROUNSON: THERE MAY BE ISSUES FOR
8 OTHER ORGANIZATIONS WHO MAY STUDY THOSE SPECIMENS
9 FOR NONSTEM CELL RESEARCH. IN THE CASE OF NIH, IT
10 MAY BE BROADER THAN THAT; WHEREAS, I THINK WE WOULD
11 SAY IT WOULD BE COLLECTIVELY UNDER OUR CANOPY JUST
12 BY WORKING WITH IPS CELLS. THEY MAY WELL BE VERY
13 USEFUL FOR OTHER FORMS OF STEM CELL RESEARCH.

14 DR. LOMAX: THE POINT OF THAT STATEMENT
15 WAS THERE WAS -- I THINK THAT THIS PERIOD HAS SORT
16 OF MAYBE COME AND GONE AT THIS STAGE, BUT IT WAS AN
17 EARLY PERIOD WHEN IPS LINES FIRST BECAME AVAILABLE
18 AS TO WHETHER THAT WAS THE KIND OF EXCEPTIONAL
19 ACTIVITY THAT REQUIRED SOME KIND OF NEW CONSENT.
20 WHAT WE TRIED TO SUGGEST IS THERE'S A SET OF
21 CONDITIONS WHERE IPS RESEARCH HAS BECOME THE
22 STANDARD OF CARE FOR CERTAIN TYPES OF RESEARCH AND
23 DEFINED IT REALLY KIND OF IN THE BASIC SPACE AROUND
24 DISEASE MODELING AND DRUG DISCOVERY.

25 DR. ROBERTS: STATEMENT 2 IS, I THINK,

BARRISTERS' REPORTING SERVICE

1 FUNDAMENTAL TO THIS WHOLE DISCUSSION BECAUSE IF YOU
2 DON'T THINK THAT IPS DERIVATION WOULD COUNT OR THE
3 PRIOR CONSENT WOULD COVER IPS CELL DERIVATION AND
4 USE, THEN THERE'S NO POINT IN WHAT WE'RE DOING.
5 WE'D HAVE TO SAY WE HAVE TO GO BACK AND GET NEW
6 CONSENT.

7 DR. LOMAX: CORRECT.

8 DR. ROBERTS: SO IF ANYBODY OBJECTS TO
9 STATEMENT 2, IT WOULD BE AN OBJECTION TO THE VERY
10 PROCESS WE'RE DISCUSSING HERE OF BASICALLY TAKING
11 THE ORIGINAL CONSENT AND APPLYING IT TO THIS NEW
12 USE.

13 CHAIRMAN LO: I THINK THAT'S RIGHT.

14 DR. ROBERTS: SO IF THERE'S -- I ALSO
15 WOULD ASSUME THAT SUCH OBJECTION WOULD HAVE COME UP
16 AT THE BEGINNING OF OUR DISCUSSION. RIGHT? OKAY.

17 SO I DON'T KNOW IF ANYBODY -- THE ONLY
18 THING I COULD THINK TO ADD TO THIS, WHICH WOULD BE
19 IMPLIED BY STATEMENT 1, IS IF IT'S INCONSISTENT WITH
20 THE ORIGINAL CONSENT TO DERIVE IPS CELLS FROM THE
21 BIOSPECIMEN, THEN YOU COULDN'T DO IT, BUT THAT WAS
22 COVERED BY STATEMENT 1.

23 CHAIRMAN LO: RIGHT.

24 DR. ROBERTS: SO I WOULD MOVE ON UNLESS
25 ANYBODY --

BARRISTERS' REPORTING SERVICE

1 CHAIRMAN LO: I THINK WE SHOULD MOVE ON.
2 WE GOT TO GET TO NINE.

3 DR. ROBERTS: STATEMENT 3 IS JUST THAT
4 THERE HAS TO BE SOME REFERENCE IN THE ORIGINAL
5 CONSENT THAT IT'S OKAY FOR OTHER RESEARCHERS TO USE
6 THE DONATED BIOSPECIMEN. OKAY. ANY DISCUSSION
7 ABOUT THAT?

8 THE ONLY THING I THOUGHT HERE IS THAT
9 MAYBE IT COULD BE MADE CLEARER THAT THE ORIGINAL
10 CONSENT MUST INCLUDE USE BY OTHER RESEARCHERS.
11 THAT'S THE ONLY ADDITION I COULD THINK FOR STATEMENT
12 3.

13 DR. KAMP: SOME OF THE OLDER CONSENT FORMS
14 MORE BROADLY JUST SAY COULD BE USED FOR RESEARCH AND
15 DON'T NECESSARILY INCLUDE THAT STATEMENT. THERE ARE
16 EXAMPLES FROM FIBERGLASS THAT DATE BACK TO THAT ERA.

17 DR. ROBERTS: OKAY. SO THAT WOULD BE TOO
18 LIMITING TO SPECIFY THAT. WELL, THEN, DO YOU THINK
19 STATEMENT 3 IS TOO LIMITING? WOULD THAT LIMIT THE
20 USE OF DONATED MATERIALS WHERE THE CONSENT FORM JUST
21 SAID I AGREE MY CELLS CAN BE USED FOR FUTURE
22 RESEARCH?

23 DR. LOMAX: JUST TO ADD A BIT OF HISTORY
24 HERE. WE HAVE ENCOUNTERED SITUATIONS WHERE CELL
25 LINES HAVE BEEN REJECTED BY A REPOSITORY FOR NOT

BARRISTERS' REPORTING SERVICE

1 HAVING SOME REFERENCE TO SHARING. SO THE RESEARCH
2 ALONE DIDN'T CLEAR THE REVIEW OF A REPOSITORY. SO I
3 THINK THIS IS A STATEMENT PERHAPS ONE THAT ELEVATES
4 TO WE REALLY NEED TO LISTEN TO THE DISCUSSION
5 THROUGH THIS ENTIRE PROCESS AND UNDERSTAND WHAT THE
6 STANDARD OF CARE IS, IF YOU WILL, ON THIS POINT
7 BECAUSE THERE'S BEEN A LOT OF CONTROVERSY, AT LEAST
8 FROM SOME OF THE FEEDBACK I'M FROM GETTING FROM OUR
9 GRANTEES ON THIS ONE.

10 DR. ISASI: IF I MAY SAY SOMETHING, I
11 AGREE WITH GEOFF. IT'S VERY IMPORTANT STATEMENT 3
12 EVEN IF IT IS SELF-EXPLANATORY. EVEN IN CANADA AND
13 OTHER COUNTRIES, I HAVE SEEN OBJECTIONS FROM IRB'S
14 IN THAT IT WAS NOT CLEAR THAT SHARING BIOSPECIMENS
15 WAS INCLUDED AS PART OF INFORMED CONSENT PROCESS.
16 BUT THAT MENTION WAS THERE OF DISTRIBUTION. IT WAS
17 ALWAYS INTERPRETED OF ALLOWING DEPOSITING IN A
18 REPOSITORY AND A BIOBANK.

19 DR. ROBERTS: TO ME THE QUESTION IS IS A
20 CONSENT TO USE OF THE DONATED MATERIAL, DONATED
21 BIOSPECIMINS, IN FUTURE RESEARCH, DOES THAT IMPLY
22 SHARING, OR DO THE WORDS TO THAT EFFECT, SHARING OR
23 DEPOSITING, DO THOSE HAVE TO BE INCLUDED?

24 MR. HARRISON: CAN I ASK JUST A CLARIFYING
25 QUESTION WITH RESPECT TO STATEMENT 3? WAS THE

BARRISTERS' REPORTING SERVICE

1 INTENT OF THE STATEMENT TO SUGGEST THAT IF THERE IS
2 NO REFERENCE, EXPLICIT REFERENCE TO THE POSSIBILITY
3 OF SHARING IN THE ORIGINAL CONSENT, THAT IT,
4 THEREFORE, WOULD NOT BE PERMITTED TO BE DISTRIBUTED
5 VIA AN IPSC REPOSITORY? IN OTHER WORDS, IS THE
6 OBLVERSE OF THE STATEMENT TRUE AS WELL?

7 DR. TROUNSON: THAT WOULD BE A PROBLEM.

8 DR. ROBERTS: THAT'S HOW I INTERPRETED IT.

9 DR. LOMAX: SO I THINK ROSIE SUMMED IT UP
10 PRETTY CLEARLY. THE CONTROVERSY HAS SURROUNDED THE
11 SITUATION OR THE CIRCUMSTANCE WHERE THERE'S NO
12 REFERENCE TO SHARING OF THE SPECIMENS, THAT WITHIN
13 THE CONSENT PROCESS THE DONOR'S ASSUMING THAT
14 THEY'RE GIVING THE CELLS TO A SCIENTIST AND A
15 SCIENTIST IS USING THOSE MATERIALS EXCLUSIVELY FOR
16 THEIR USE. THAT'S HOW IT'S BEEN INTERPRETED.

17 THEN IF IT'S THEN DECIDED TO REDISTRIBUTE
18 THOSE MATERIALS BROADLY, THAT'S WHERE THE
19 CONTROVERSY HAS COME UP. AS ROSIE INDICATED, IT'S
20 THAT SHARING LANGUAGE THAT HAS ALLEVIATED THAT
21 PROBLEM. THAT'S SORT OF THE HISTORY HERE.

22 DR. TROUNSON: I DON'T THINK IT'S VERY
23 COMMON TO HAVE THAT IN MATERIALS BACK FIVE YEARS
24 PLUS BACKWARDS, FIVE YEARS AGO. I THINK IT WAS
25 QUITE COMMON TO USE MATERIALS FOR RESEARCH WITHOUT

BARRISTERS' REPORTING SERVICE

1 ANY WORDS ABOUT SHARING. SO I THINK THE ASSUMPTION
2 THERE, WHEN I WAS WORKING, WAS PRETTY CLEAR THAT IT
3 WAS AVAILABLE FOR RESEARCH IN THE BROAD FIELD THAT
4 THEY WERE TALKING ABOUT. SO THAT WOULD ALLOW --
5 THAT ALWAYS WOULD ALLOW SHARING.

6 SO I THINK IT'S A LITTLE COMPLICATING THE
7 WAY IT'S BEING DISCUSSED.

8 DR. FEIGAL: I WOULD ALSO SAY THAT FUNDING
9 AGENCIES EXPECT THAT MATERIALS ARE SHARED AND ARE
10 SOMETIMES REQUIRED. SO I FIND THIS, TOO,
11 PROBLEMATIC LANGUAGE.

12 DR. BOTKIN: I GUESS I WOULD SAY THE
13 LANGUAGE THAT'S HERE IN THE DOCUMENT REALLY TALKS
14 ABOUT IN THOSE CIRCUMSTANCES IN WHICH THERE IS
15 LANGUAGE ABOUT SHARING, WE'RE GOING TO INTERPRET
16 THAT TO MEAN THAT THE IPSC REPOSITORY IS COVERED.
17 SEEMS LIKE WE'RE TALKING ABOUT A DIFFERENT QUESTION
18 HERE WHERE THERE IS NOT LANGUAGE ABOUT SHARING, AND
19 CAN WE JUSTIFIABLY SHARE STUFF IN THAT CIRCUMSTANCE.
20 I DON'T KNOW OF ANY EMPIRICAL INFORMATION ABOUT
21 ATTITUDES OF RESEARCH PARTICIPANTS ABOUT THIS ISSUE.
22 I'M GOING TO GUESS IT'S PROBABLY SOMETHING WE MAKE A
23 BIGGER DEAL OUT OF AS INSTITUTIONAL PEOPLE THAN
24 PEOPLE REALLY CARE ABOUT, BUT I DON'T KNOW THAT.
25 AND IT SEEMS TO ME TO BE A FAIRLY SIGNIFICANT

BARRISTERS' REPORTING SERVICE

1 RESTRICTION TO SAY IT'S NECESSARY TO HAVE LANGUAGE
2 THERE.

3 I THINK PART OF THIS LARGER CONVERSATION
4 IS THE FACT THAT PEOPLE GET CONSENT AROUND A
5 SPECIFIC PROJECT. I DON'T THINK ANYBODY IS THINKING
6 ABOUT SECONDARY USES FOR THE MOST PART. IN THE MORE
7 CONTEMPORARY ERA, WE'RE FORCING OURSELVES TO THINK
8 ABOUT THOSE THINGS, BUT I DON'T THINK PEOPLE -- WE
9 ASK WHAT WOULD A REASONABLE PERSON EXPECT. I THINK
10 THEY WOULD EXPECT NOTHING BECAUSE THEY DON'T HAVE
11 ANY EXPECTATION ABOUT WHAT HAPPENS WITH THESE THINGS
12 AFTER THE RESEARCH IS BEING DONE. I THINK THAT'S --
13 I'M NOT SURE WE'LL BE GUIDED BY COMMON SENSE HERE.

14 DR. ROBERTS: MY CONCERN WOULD BE, THOUGH,
15 THAT STATEMENT 3, WHICH IS INTENDED TO PERMIT THE
16 REPURPOSING, MIGHT BE INTERPRETED AS PROHIBITING IT
17 IF THERE IS NO LANGUAGE ABOUT SHARING IN THE
18 ORIGINAL CONSENT FORM. AND SO I WOULD RECOMMEND
19 DEALING WITH THAT BECAUSE THE STATEMENT 3 COULD BE
20 MISINTERPRETED, I THINK.

21 DR. LOMAX: IT SOUNDS LIKE WE NEED TO DO
22 MORE WORK ON THIS ONE. WHAT I WOULD SUGGEST IS THAT
23 WE USE -- WE HAVE A VERY SUBSTANTIVE PROCESS MOVING
24 FORWARD. AGAIN, THERE'S ABOUT THREE OR FOUR ISSUES
25 I'VE FLAGGED. AND, AGAIN, THIS ONE CAME UP AS A

BARRISTERS' REPORTING SERVICE

1 VERY SPECIFIC QUESTION, REALLY TO JUST COLLECT DATA
2 ON WHAT ARE SORT OF THE DECISION PROTOCOLS ON THIS
3 AT THIS TIME BECAUSE WE WILL HAVE AN OPPORTUNITY TO
4 INTERACT WITH BOTH INSTITUTIONAL REPRESENTATIVES AND
5 AGENCIES THAT HAVE CONSIDERED THESE ISSUES AND THEN
6 REPORT BACK TO YOU. WOULD THAT BE --

7 CHAIRMAN LO: I THINK THAT'S RIGHT. WE
8 SHOULD HIGHLIGHT THIS AS AN ISSUE TO BE FURTHER
9 THOUGHT ABOUT AND ANALYZED. I GUESS, GEOFF, I WOULD
10 SUGGEST THAT WE TRY AND GET WHATEVER EMPIRICAL DATA
11 ARE AVAILABLE AS TO WHAT ARE THE PARTICIPANTS AWARE
12 OF, WHAT ARE THEIR PREFERENCES ON THIS, DO THEY
13 CARE, OR CONVERSELY, ARE THERE A SIZABLE PERCENTAGE
14 OF PEOPLE WHO ARE ACTUALLY CONCERNED ABOUT SHARING
15 IN SUCH A BROAD SENSE AS A REPOSITORY. I THINK I'D
16 BE WILLING TO MAKE THE ARGUMENT THAT YOU SHARE WITH
17 ALL THE OTHER PEOPLE AT THE INSTITUTION DOING THAT
18 STUDY BECAUSE A LOT OF PEOPLE COME TO A RESEARCH
19 INSTITUTION WITH THE IDEA THAT EVERYBODY THERE DOES
20 RESEARCH. I DON'T THINK YOU CAN ASSUME THAT THEY
21 WOULD SAY, OH, THERE'S NO PROBLEM SENDING IT VERY
22 BROADLY TO OTHER RESEARCHERS WHO THEY HAVE NO
23 CONNECTION WITH.

24 LET'S JUST FLAG THIS AS SOMETHING TO
25 CONSIDER DEEPER.

BARRISTERS' REPORTING SERVICE

1 DR. LOMAX: YEAH. BASED ON THESE
2 RESPONSES THAT WE HAVE, I UNDERSTAND WE HAVE SOME
3 WORK TO DO HERE.

4 CHAIRMAN LO: LET'S TRY AND MOVE ON,
5 DOROTHY.

6 DR. ROBERTS: NO. 4 IS THE ONE THAT ALAN
7 AND OTHERS REFERRED TO ALREADY HAVING TO DO WITH
8 GENETIC RESEARCH. AND IT SAYS THAT REPORTING OF RAW
9 INDIVIDUAL LEVEL GENOTYPIC DATA WOULD NOT TAKE PLACE
10 UNLESS THE DONOR IS INFORMED OF AND HAS CONSENTED TO
11 GENETIC STUDIES OR GENOMIC ANALYSIS BEING AN
12 INTEGRAL PART OF THE PROPOSED RESEARCH.

13 MY ONLY QUESTION HERE WAS WHETHER IT WOULD
14 BE CLEAR TO ALL AFFECTED WHAT RAW INDIVIDUAL
15 GENOTYPIC DATA MEANS AND HOW THAT'S DISTINGUISHED
16 FROM THE TYPE OF GENETIC INFORMATION THAT COULD BE
17 REPORTED.

18 DR. LOMAX: WE CAN POSE THAT QUESTION.
19 IT'S A SHORTHAND, THAT WE HAVE NO EMPIRICAL BACKING
20 FOR THE CHOICE OF THAT WORD.

21 DR. TROUNSON: SHOULDN'T IT BE IDENTIFYING
22 RATHER RAW? I KNOW THAT MIGHT CHANGE AS THINGS GO
23 ON; BUT IF YOU SAID IDENTIFYING, IT'S THE ISSUE OF
24 BEING IDENTIFIED, SIMPLY IDENTIFIED, BUT IDENTIFIED
25 RATHER THAN THE RAW. I DON'T THINK THE RAW DATA IS

BARRISTERS' REPORTING SERVICE

1 REALLY OF ANY CONSEQUENCE TO THE PERSON, BUT
2 IDENTIFYING INFORMATION THAT COULD BE READ OUT.
3 DEEP SEQUENCE WILL GIVE YOU THE WHOLE THING. SO I
4 THINK THAT WOULD BE A PROBLEM UNLESS YOU CONSENTED
5 TO THAT. THERE MAY BE A CERTAIN ARRAY OF GENETIC
6 DATA THAT COULD STILL BE IDENTIFYING NOW. BUT THAT
7 COULD CHANGE, AND THAT, AGAIN, NEEDS TO BE FOLLOWED
8 IN TIME TO KNOW WHAT IDENTIFYING REALLY MEANS.

9 DR. LOMAX: I THINK ONE OF THE QUESTIONS
10 WE WERE GOING TO POSE -- ROSIE, HELP ME OUT. I
11 THINK WE TALKED ABOUT THE IDEA THAT GENETIC
12 INFORMATION THAT CAN REASONABLY LEAD TO THE
13 IDENTIFICATION OF WAS SORT OF ONE CONSTRUCT. AND SO
14 WE'LL PLAY WITH THAT, BUT IT IS IN REACTION. I
15 THINK YOU ALL WERE AWARE OF THE PAPERS THAT CAME OUT
16 THAT AT A CERTAIN LEVEL THERE IS THE ABILITY TO
17 MATCH. WE'VE GONE TO GREAT LENGTHS IN OUR UPDATED
18 CONSENT FORMS TO MAKE PEOPLE AWARE OF THAT
19 POSSIBILITY. SO IT'S JUST AN AREA THAT WE'RE PAYING
20 CLOSE ATTENTION TO.

21 DR. ISASI: AND ACTUALLY IN OCTOBER WE ARE
22 DISCUSSING A POLICY STATEMENT, RECOMMENDATIONS FOR
23 HANDLING INDIVIDUAL GENOMIC DATA ARISING FROM IPSC'S
24 AS PART OF THE INTERNATIONAL STEM CELL FORUM WORK,
25 AND WE ARE DEVELOPING A LIST OF TRYING TO QUANTIFY

BARRISTERS' REPORTING SERVICE

1 HOW MUCH THIS TYPE OF INFORMATION IS IDENTIFIABLE OR
2 NOT. SO WHAT ARE THE THRESHOLDS IF YOU PUBLISH X
3 AMOUNT OF SNP'S OR X AMOUNT OF SDR'S, ETC. SO I
4 THINK THAT WILL BE HELPFUL REALLY IN OUR COMPLYING
5 DOCUMENT TO CLARIFY WHAT THIS STATEMENT NEEDS
6 WITHOUT PREJUDICE TO IMPROVING THE LANGUAGE.

7 BUT WE WERE TALKING ABOUT GENOMIC DATA. I
8 THINK ONE OF THE EXAMPLES THAT CAME INTO OUR MIND
9 WERE WE WERE THINKING IN THE CONTEXT OF DIRECT
10 CONSUMER GENETIC TESTING WHEN DATA THAT HAD NOT BEEN
11 ANALYZED OR VALIDATED AND ALL THE CRITERIA, CLINICAL
12 UTILITY/VALIDITY HAD NOT BEEN DONE, BUT FROM ALL THE
13 DATA.

14 DR. LOMAX: WE WILL PLAY WITH THAT. I
15 THINK WE'LL MOVE TOWARDS REASONABLY RESULT IN
16 IDENTIFICATION OR LEAD TO IDENTIFICATION AND REVISE
17 ACCORDINGLY.

18 DR. ROBERTS: OKAY.

19 CHAIRMAN LO: GEOFF, JUST ANOTHER NOTE TO
20 YOU. NIH WHICH HAS DRIVEN A LOT OF THE POSITING OF
21 THE ACTUAL, QUOTE, RAW AND, QUOTE, SEQUENCING DATA
22 IN DVGAP MAY CHANGE THEIR POLICY. SO WE NEED TO
23 JUST MAKE SURE THAT WHATEVER WE SAY IS NOT
24 INCONSISTENT WITH WHAT NIH IS GOING TO REQUIRE OF
25 ITS GRANTEES.

BARRISTERS' REPORTING SERVICE

1 DR. LOMAX: AND WE'RE TRACKING THAT
2 PROCESS QUITE CAREFULLY. THEY HAVE A DRAFT POLICY
3 FOR COMMENT RIGHT NOW.

4 CHAIRMAN LO: AND WHAT'S HER NAME, SARA
5 HULL, IS ONE OF THE COAUTHORS, SO SHE'S IN THE LOOP.

6 OKAY. NO. 5.

7 DR. ROBERTS: SO THE NEXT SEVERAL HAVE TO
8 DO WITH CATEGORIES WHERE EXPLICIT CONSENT IS
9 REQUIRED. ONE IS COMMERCIAL USE OF THE RESULTING
10 LINES. SO IF THEY'RE GOING TO BE USED TO DEVELOP
11 COMMERCIAL PRODUCTS, THERE WOULD HAVE TO HAVE BEEN
12 EXPLICIT CONSENT FOR USE OF -- COMMERCIAL USE IN
13 THE ORIGINAL CONSENT.

14 NOW, HERE THE ONLY QUESTION THAT OCCURRED
15 TO ME HERE WAS WHETHER THE TYPE OF COMMERCIAL
16 PRODUCT NEEDED TO BE SPECIFIED OR NOT. THAT'S JUST
17 AN ISSUE THAT CAME TO MIND. I'M NOT NECESSARILY
18 RECOMMENDING IT, BUT --

19 MS. LANSING: WHAT WOULD BE THE REASON FOR
20 HAVING TO SPECIFY IT?

21 DR. ROBERTS: WELL, YOU MIGHT AGREE TO A
22 PARTICULAR COMMERCIAL USE, BUT NOT A DIFFERENT KIND
23 OF COMMERCIAL USE. I GUESS IT'S NOT WHETHER IT
24 SHOULD BE SPECIFIED. I GUESS MY QUESTION IS,
25 RATHER, IF A PARTICULAR COMMERCIAL USE IS SPECIFIED,

BARRISTERS' REPORTING SERVICE

1 WOULD THAT APPLY TO ALL COMMERCIAL USES?

2 MS. LANSING: NO, I DON'T THINK SO. AS
3 I'M LISTENING TO THIS AS A PATIENT ADVOCATE, WHAT IS
4 REALLY INTERESTING TO ME IS THE IMPORTANCE OF A
5 COUNSELOR AS WE MOVE FORWARD TO REALLY TELL
6 EVERYBODY THE MANY OPTIONS THAT THEY HAVE. IF YOU
7 SAY I APPROVE THIS COMMERCIAL USE AND NOT THAT
8 COMMERCIAL USE, THAT'S EASY. IF YOU SAY NO
9 COMMERCIAL USE, I'M AFRAID, UNLESS THE COUNSELOR CAN
10 DIG DEEP AND GIVE THEM ALL THEIR OPTIONS, WE'RE
11 BOUND BY THAT.

12 DR. ROBERTS: THE QUESTION, THOUGH, IS
13 MUST THERE BE AN EXPLICIT CONSENT FOR COMMERCIAL
14 USE. WHAT IF THERE'S NO MENTION OF COMMERCIAL USE
15 IN THE CONSENT FORM?

16 MS. LANSING: DOESN'T THERE HAVE TO BE IN
17 THE CONSENT FORM?

18 DR. ROBERTS: I GUESS THAT'S THE QUESTION.
19 IF THERE'S NO MENTION OF IT, THEN IT COULD NOT BE
20 USED FOR COMMERCIAL USE. THE STATEMENT SAYS THERE
21 MUST BE A REFERENCE. IT'S NOT QUITE THAT BOLD. THE
22 REFERENCE TO COMMERCIAL USE SHOULD HAVE BEEN
23 INCLUDED. SO I WOULD INTERPRET THAT TO MEAN A
24 REQUIREMENT OF EXPLICIT CONSENT TO USE THE CELL
25 LINES FOR COMMERCIAL PRODUCTS.

BARRISTERS' REPORTING SERVICE

1 DR. ISASI: THE LAST PARAGRAPH SAYS ABSENT
2 CLEAR DISCLOSURES, MATERIALS OR RESULTING CELL LINES
3 SHOULD BE USED ONLY FOR COMMERCIAL. SO IT'S A VERY
4 CLEAR IMPERATIVE.

5 DR. LOMAX: ALSO SOME INSIGHT HERE FROM
6 THE IPS INITIATIVE. SO THIS LANGUAGE WE ACTUALLY
7 MENTION COMMERCIAL USE IN THE MODEL FORM, BUT ONE OF
8 THE AREAS THAT WAS KEYED INTO VERY MUCH BY THE
9 DERIVING ENTITY IN PARTICULAR WAS ACTUALLY TO REALLY
10 MAKE THAT LANGUAGE -- REALLY BRING THAT OUT AND MAKE
11 IT VERY CLEAR. AND THEIR SENSE IS THAT ABSENT CLEAR
12 DISCLOSURE FOR COMMERCIAL USE, A COMMERCIAL ENTITY
13 WOULD BE VERY UNLIKELY TO USE A PARTICULAR CELL
14 LINE, THAT THEY'RE VERY MUCH LOOKING FOR THIS
15 LANGUAGE. SO I THINK THE SENSE WE'RE GETTING IS
16 THAT THIS IN SOME SENSE TAKES CARE OF ITSELF BECAUSE
17 IT'S A HUGE INVESTMENT TO START PURSUING A
18 PARTICULAR LINE. IF THERE'S UNCERTAINTY ABOUT THE
19 BASIC CONSENT, THE MESSAGE WE'RE GETTING IS THERE'S
20 A REAL UNWILLINGNESS TO USE THAT LINE IN THE FIRST
21 PLACE.

22 MS. LANSING: WE EMPHASIZE HOW WE MUST PUT
23 THAT IN IN THE FUTURE.

24 DR. ROBERTS: OKAY. AND I THINK AS TO A
25 PARTICULAR COMMERCIAL USE, THAT WOULD BE COVERED BY

BARRISTERS' REPORTING SERVICE

1 STATEMENT 1, WHICH WOULD NOT ALLOW A USE THAT IS
2 NOT -- THAT IS CONTRARY TO WHAT'S CONSENTED TO IN
3 THE CONSENT FORM IN THE ORIGINAL DONATION. SO I
4 THINK WE COULD MOVE ON UNLESS ANYONE HAS ANY OTHER
5 COMMENTS.

6 SO THEN SIMILARLY, STATEMENT 6 ALSO
7 REQUIRES A STATEMENT GRANTING PERMISSION FOR USE FOR
8 HUMAN TRANSPLANTATION. AND THERE'S A FOLLOW-UP
9 LINE: DONORS SHOULD CONSENT EXPLICITLY TO THE USE
10 OF THEIR SPECIMENS IN HUMAN TRANSPLANTATION. OKAY.

11 DR. LOMAX: THAT'S PART OF OUR REGULATIONS
12 ALREADY TOO.

13 DR. ROBERTS: STATEMENT 7. STATEMENT 7,
14 THIS IS SIMILAR TO PRIOR DISCUSSIONS WE HAD ABOUT
15 USE FOR RESEARCH, THAT IF THERE'S REFERENCE TO AN
16 UNSPECIFIED OR UNFORESEEN FUTURE STUDIES, A FUTURE
17 REFERENCE, THEN IT WOULD APPLY TO THIS REPURPOSING
18 FOR DERIVING IPSC LINES OR IPS CELLS EXCEPT THAT
19 COMMERCIAL PRODUCTS AND HUMAN TRANSPLANTATION USE
20 REQUIRES EXPLICIT CONSENT. OKAY.

21 AND THEN, AGAIN, I THINK THE ONLY QUESTION
22 WOULD BE WHETHER THERE ARE OTHER TYPES OF USES THAT
23 SHOULD BE ADDED TO HUMAN TRANSPLANTATION AND
24 COMMERCIAL USE.

25 STATEMENT 8 IS ONE SUCH ADDITION, WHICH IS

BARRISTERS' REPORTING SERVICE

1 NOT USING THESE CELLS TO GENERATE GAMETES AND
2 EMBRYOS WITHOUT SPECIFIC CONSENT.

3 DR. LOMAX: YEAH. AND WE WILL QUERY ON
4 THAT QUESTION CONSISTENT WITH THE PREVIOUS COMMENT
5 ON NO. 2, I BELIEVE.

6 CHAIRMAN LO: JUST TO BE REALLY WILD ABOUT
7 THIS, WHICH ILLUSTRATES KIND OF THE BREADTH OF
8 APPLICATION OF IPS CELL RESEARCH, RESEARCH IN TERMS
9 OF INVESTIGATING THE MECHANISMS OF ACTION OF
10 BIOTOXINS AND THINGS, SORT OF THE WEAPONS OF
11 DEFENSE, WOULD BE SOMETHING THAT SOME PEOPLE WOULD
12 NOT BE TO BE INVOLVED WITHOUT -- THAT COULD BE A
13 PLAUSIBLE CANDIDATE FOR.

14 MY GUESS IS WE DON'T WANT TO BE -- WE WANT
15 THIS TO BE A LIST OF FOR EXAMPLES AND NOT TO
16 PRECLUDE. I GUESS IT'S NOT IN THE DEPOSITING STAGE
17 AS MUCH AS IN THE USAGE STAGE WHERE A WITHDRAWAL
18 FROM THE BANK IS MADE. AND IF SOMEONE DECLARES THAT
19 WE'RE GOING TO USE THIS FOR BIOLOGICAL WARFARE, THAT
20 MAY BE SOMETHING THAT YOU WANT TO HAVE THE BANK HAVE
21 THE DISCRETION TO SAY. IT'S SORT OF LIKE 5, 6, AND
22 8.

23 DR. ROBERTS: YEAH. YEAH. IT'S AN
24 INTERESTING QUESTION. I AGREE YOU DON'T WANT TOO
25 MANY THINGS. IS THERE ANYTHING ELSE THAT RISES TO

BARRISTERS' REPORTING SERVICE

1 THE LEVEL OF COMMERCIAL USE AND HUMAN
2 TRANSPLANTATION AND CREATION OF GAMETES?

3 DR. LOMAX: WE DO HAVE A COUPLE OF
4 COMMENTS IN THE QUEUE FROM THE PUBLIC. I THINK YOU
5 GOT THEIR ATTENTION ON THAT POINT. I KNOW DON REED
6 WANTED TO SAY SOMETHING.

7 CHAIRMAN LO: GO AHEAD.

8 MR. REED: I'M CONCERNED WE'RE TRYING TO
9 BE SO SPECIFIC THAT WE'RE GOING TO COME UP WITH A
10 WHOLE BUNCH OF THINGS AND SOMEBODY IS GOING TO SAY,
11 "OH, LOOK. YOU LEFT OUT NO. 47. THEREFORE, I'M
12 GOING TO SUE YOU." I WONDER IF WE COULD, INSTEAD,
13 AIM FOR A BLANK CHECK PROPOSAL, SOMETHING LIKE A
14 SEGMENT FOR PATIENTS TO SIGN, POSSIBLE LANGUAGE LIKE
15 RECOGNIZING SCIENCE IS IN CONSTANT CHANGE, GIVE
16 EXAMPLES, ARE YOU IN GENERAL OKAY THAT YOUR SAMPLES
17 MIGHT BE USED FOR A RELATED, BUT NOT IDENTICAL
18 SCIENTIFIC PURPOSE. DO YOU UNDERSTAND YOU WILL NOT
19 BE FURTHER COMPENSATED FOR YOUR DONATION? THAT
20 WOULD TAKE CARE OF THE FINANCIAL ONE, AND THE OTHER
21 WOULD COVER OTHER POSSIBLE USES BECAUSE WE CAN NEVER
22 THINK AHEAD TO ALL THE POSSIBLE ONES. I THINK WE
23 SHOULD JUST SAY ARE YOU IN GENERAL OKAY WITH THE
24 POSSIBILITY THAT YOUR SAMPLES MIGHT BE USED FOR
25 RELATED, BUT NOT IDENTICAL PURPOSES.

BARRISTERS' REPORTING SERVICE

1 DR. LOMAX: DON, THAT'S VERY GOOD. JUST
2 TO BE CLEAR, WE HAVE DEVELOPED THAT LANGUAGE. WE
3 SHOULD HAVE HAD YOU ON THE DRAFTING TEAM. YOU'VE
4 GOT SOME GOOD POINTS THERE. SO WE HAVE MADE THAT
5 AVAILABLE, I THINK. AND THESE ARE, AS BERNIE
6 INDICATED, HIGH LEVEL SORT OF PLACEHOLDERS THAT SORT
7 OF ALLOW YOU TO EXTRAPOLATE BACK FROM THE IDEAL TO
8 WHAT YOU'VE GOT AND SAY DO WE HAVE SOMETHING THAT'S
9 GOOD ENOUGH. BUT WE HAVE DONE A LOT OF THAT, SO WE
10 DO HAVE THOSE EXAMPLES OUT THERE AND DID THEM
11 THROUGH THE STANDARDS WORKING GROUP PROCESS.

12 CHAIRMAN LO: WE'RE NOT TALKING ABOUT
13 PROSPECTIVE CONSENT. WE'RE TALKING ABOUT CELLS THAT
14 HAVE BEEN ALREADY DONATED UNDER A PREVIOUS CONSENT
15 SOMETIME IN THE PAST WHICH WE CAN'T REWRITE.

16 DR. LOMAX: WE DO HAVE ONE OTHER COMMENT
17 HERE.

18 MS. DELANDA: I'LL MAKE MY STATEMENT BRIEF
19 BECAUSE IT KIND OF REITERATES WHAT WAS JUST SAID. I
20 THINK THE COMMENT, THE LAST COMMENT ABOUT BIOLOGICAL
21 WARFARE, JUST KIND OF FALLS BACK UNDER STATEMENT 1
22 WHERE YOU HAVE TO CONSIDER WHAT A REASONABLE PERSON
23 WOULD ALLOW. AND I CAN'T THINK OF ANY SITUATION,
24 EXCEPT MAYBE IN THE MILITARY SETTING, WHERE SOMEBODY
25 WOULD READILY SIGN A CONSENT FORM AGREEING TO USE

BARRISTERS' REPORTING SERVICE

1 THEIR STEM CELL RESEARCH FOR MILITARY WARFARE. I
2 DON'T KNOW. THAT'S JUST MY PERSPECTIVE IS IF WE
3 KEEP STATEMENT 1 BROAD AND, AND AS THE PREVIOUS
4 SPEAKER SAID, JUST MAKE SURE THAT WE DON'T START
5 PINPOINTING IT TO EVERY SINGLE SITUATION WHERE
6 PEOPLE MIGHT OR MIGHT NOT OBJECT AND JUST KEEP IT TO
7 THE REASONABLE STANDARD, WE WOULDN'T HAVE TO ADD
8 ADDITIONAL LANGUAGE TO THIS PROPOSAL.

9 CHAIRMAN LO: THANK YOU.

10 DR. ROBERTS: SHOULD I MOVE ON TO
11 NUMBER --

12 CHAIRMAN LO: PLEASE, YES.

13 DR. ROBERTS: -- NO. 9. SO THE FINAL
14 STATEMENT HAS TO DO WITH AN ISSUE I KNOW WE'VE
15 DISCUSSED IN THE STANDARD WORKING GROUP BEFORE, AND
16 THAT IS THE DONOR'S ABILITY TO WITHDRAW FROM THE
17 PROPOSED IPSC RESEARCH.

18 NOW, WE'VE DISCUSSED BEFORE THE
19 DIFFICULTIES IN HOW TO DRAFT CONSENT TO THAT BECAUSE
20 IT'S BASICALLY IMPOSSIBLE TO WITHDRAW IN MOST CASES.
21 BUT MY QUESTION ON THIS ONE IS HOW WOULD THE
22 ORIGINAL CONSENT HAVE ANTICIPATED THESE PROBLEMS
23 WITH WITHDRAWING FROM IPSC RESEARCH WHEN THERE MAY
24 NOT HAVE BEEN SUCH A THING AS IPSC RESEARCH AT THE
25 TIME. I WASN'T CLEAR ABOUT HOW THIS STATEMENT 9

BARRISTERS' REPORTING SERVICE

1 WOULD OPERATE.

2 DR. LOMAX: YOU POINTED SOMETHING OUT. IT
3 JUST OCCURRED TO ME, DOROTHY, YOU POINTED SOMETHING
4 OUT THAT WE KIND OF DID A SLEIGHT OF HAND HERE. SO
5 THIS ONE ACTUALLY -- IT WAS BASED ON THE SORT OF
6 THINKING THAT WE SPENT QUITE A BIT OF TIME ON LAST
7 YEAR IN THE STANDARDS WORKING GROUP IS THAT THERE'S
8 A STAGE IN THE CHAIN OF RESEARCH WHERE BASICALLY
9 ONCE YOU'VE DERIVED THE CELL LINE AND STARTED TO
10 INVEST IN IT, THAT AT LEAST THE CELL LINE NEEDS TO
11 REMAIN IN THE RESEARCH SPACE PROVIDED THE CONSENT
12 MADE THAT CLEAR. BUT IT IS AN UNUSUAL STATEMENT
13 BECAUSE NOW WE'RE ACTUALLY -- THE ASSUMPTION BEHIND
14 THAT STATEMENT IS THAT THERE'S PROPOSED IPSC
15 RESEARCH.

16 SO IT DIDN'T OCCUR TO ME UNTIL YOU JUST
17 POINTED IT OUT, SO WE'VE DONE SOMETHING A BIT
18 DIFFERENT WITH STATEMENT 9, AND MAYBE WE NEED TO
19 SORT OF CULL IT OUT IN A SLIGHTLY DIFFERENT CONTEXT.

20 DR. ROBERTS: RIGHT.

21 DR. LOMAX: I APOLOGIZE FOR THAT. WE KIND
22 OF OVERSHOT OUR ORIGINAL INTENT WITH THAT ONE.

23 DR. ROBERTS: OKAY. SO STATEMENT NO. 9
24 ACTUALLY IS A SEPARATE STAGE FROM THE PRIOR EIGHT
25 STATEMENTS.

BARRISTERS' REPORTING SERVICE

1 DR. LOMAX: YES. IT IS IN A CONTEXT WHERE
2 IPSC RESEARCH WAS PROPOSED, AND WE'RE SORT OF
3 PRESENTING OUR VIEW ON SORT OF THE EXTENT TO WHICH
4 YOU CAN THEN HAVE WITHDRAWAL FROM RESEARCH, YES.

5 DR. ROBERTS: RIGHT. RIGHT.

6 DR. BOTKIN: I WONDER IF IN A LOT OF
7 CIRCUMSTANCES YOU WILL HAVE BIOBANKING LANGUAGE IN
8 THE ORIGINAL CONSENT LANGUAGE. AND IF THAT IS
9 INTENDED TO COVER THOSE TISSUES WILL BE USED DOWN
10 THE ROAD, THEN IT MIGHT WELL APPLY TO THE PROPOSED
11 IPSC RESEARCH, BUT IT WOULD PRESUMABLY APPLY TO ANY
12 SECONDARY RESEARCH USING THE TISSUES THAT HAD BEEN
13 ACQUIRED. WHETHER YOU WANT TO SAY SOMETHING TO THE
14 EFFECT THAT ANY LANGUAGE OF THAT SORT WILL BE
15 HONORED IN THE CONTEXT OF THE SECONDARY RESEARCH, IN
16 THIS CASE IPSC RESEARCH.

17 DR. LOMAX: THAT'S A VERY GOOD COMMENT AS
18 WELL. I THINK WE SHOULD TAKE THAT UNDER ADVISEMENT.
19 YOU AGREE, ROSIE?

20 DR. ISASI: YES, I AGREE. DID YOU CAPTURE
21 THIS WHOLE COMMENT OR THE TRANSCRIPT, BUT IT'S A
22 REALLY GOOD POINT.

23 CHAIRMAN LO: SO, DOROTHY, YOU HAVE LED US
24 THROUGH A VERY DEEP AND INTERESTING DISCUSSION. I'D
25 LOVE TO BE IN ONE OF YOUR LAW SCHOOL CLASSES.

BARRISTERS' REPORTING SERVICE

1 GEOFF, I DON'T THINK WE'RE READY TO
2 ENDORSE WHAT'S WRITTEN. WE'VE GIVEN YOU A LOT OF
3 SUGGESTIONS TO TAKE BACK FOR CONSIDERATION AND
4 THINKING AND REFINEMENT TO COME BACK TO US. IS THAT
5 ENOUGH IN TERMS OF WHAT -- I THINK WE LIKE THE
6 DIRECTION YOU'VE TAKEN, THE WAY YOU'VE SORT OF
7 DEVELOPED WHAT WE DID AT A PREVIOUS MEETING, AND
8 WANT TO ENCOURAGE YOU AND YOUR OTHER COLLABORATORS
9 TO KEEP WORKING ON IT. BUT I THINK WE'VE UNCOVERED
10 A LOT OF GOOD SUGGESTIONS FOR YOU TO CONSIDER.

11 DR. LOMAX: THAT'S FINE. WE HAVE A LONG
12 PROCESS TO GO, AND WE ANTICIPATED SORT OF COMING
13 BACK TO YOU WITH WHAT WE LEARNED. AT THIS POINT
14 IT'S BEEN TREMENDOUSLY HELPFUL BECAUSE WE HAVEN'T
15 HAD ANY FEEDBACK UP UNTIL THIS POINT IN TIME.

16 MS. LANSING: YOU'RE GOING TO DEVELOP IT
17 MORE AND THEN WE'LL RESCHEDULE ANOTHER MEETING WITH
18 THE IMPROVED DOCUMENT, I GUESS, IS WHAT WE'RE
19 SAYING.

20 DR. LOMAX: YEAH.

21 CHAIRMAN LO: THAT SOUNDS GOOD. MY THANKS
22 TO DOROTHY AND TO THE OTHER COMMITTEE MEMBERS.

23 SHOULD WE MOVE ON IN THE AGENDA NOW TO AN
24 UPDATE ON THE PROGRESS OF THE IPSC BANK AND THE
25 DONOR CONSENT PROTOCOL? GEOFF, AGAIN, THIS IS

BARRISTERS' REPORTING SERVICE

1 UPDATING US ON THINGS THAT WE'VE DISCUSSED BEFORE.

2 DR. LOMAX: WE WANT TO KIND OF GIVE IT
3 ABOUT TEN MINUTES SO WE GET DONE ON THE HALF HOUR?

4 CHAIRMAN LO: THAT WOULD BE GREAT.

5 DR. LOMAX: I'VE INVITED DR. YAFFE, WHO'S
6 REALLY THE LEAD IN TERMS OF THE IMPLEMENTATION OF
7 THIS PROGRAM, AND THE INTENTION HERE WAS YOU ALL
8 SPENT THE BETTER PART OF TWO YEARS SORT OF HELPING
9 US THINK THROUGH THE CONSENT AND SOME OF THE ISSUES
10 RELATED TO THE BANK. I THOUGHT IT WOULD BE HELPFUL
11 IF YOU JUST HEARD WHERE WE ARE AT THIS POINT IN TIME
12 ON THAT PROJECT SO YOU'RE AWARE OF WHAT'S GOING ON
13 AND GET A LITTLE BIT OF HIGHLIGHTS OF THE PROCESS.

14 CHAIRMAN LO: SOUNDS GOOD.

15 DR. YAFFE: GOOD MORNING. THIS IS MICHAEL
16 YAFFE. AND LET ME JUST HIT A FEW SENTENCES TO
17 REMIND YOU THAT THE IPSC INITIATIVE HAD AS ITS GOAL
18 TO ESTABLISH A HIGH QUALITY DISEASE-SPECIFIC HUMAN
19 INDUCED PLURIPOTENT STEM CELL RESEARCH RESOURCE IN
20 CALIFORNIA. AND THIS PROGRAM WAS REVIEWED AND THE
21 GRANTEES WERE SELECTED. THE ICOC APPROVED THOSE
22 AWARDS IN MARCH, AND WE'RE VERY RAPIDLY MOVING
23 TOWARDS RELEASING THE NGA'S FOR THESE RESEARCHERS.

24 THE INITIATIVE HAS THREE COMPONENTS. THE
25 FIRST IS TISSUE COLLECTION, COLLECTING TISSUES FROM

BARRISTERS' REPORTING SERVICE

1 INDIVIDUALS WITH PREVALENT GENETICALLY COMPLEX
2 DISEASES. THERE ARE SEVEN TISSUE COLLECTORS AT
3 DIFFERENT INSTITUTIONS IN CALIFORNIA WITH A RANGE OF
4 DISEASES, INCLUDING SOME DISEASES COMMON IN
5 CHILDREN, NEURODEVELOPMENTAL DISORDERS IN IDIOPATHIC
6 AUTISM, DISEASES COMMONLY FOUND IN OLDER
7 INDIVIDUALS, IDIOPATHIC PULMONARY FIBROSIS, A
8 PROJECT IN VIRAL HEPATITIS, HEART DISEASE, AND THEN
9 SOME DISEASES TYPICAL OF OLDER POPULATIONS OR ELDER
10 POPULATIONS, ALZHEIMER'S DISEASE AND BLINDING EYES
11 DISEASES.

12 THE SECOND COMPONENT OF THE IPS IS THE
13 DERIVATION OF THE INITIATIVE -- THE DERIVATION OF
14 THE IPSC LINES. NINE THOUSAND LINES WILL BE MADE
15 FROM 3,000 INDIVIDUALS ALL BY A SINGLE DERIVATION
16 METHOD. AND THE PI IS TOM NOVAK OF CDI, CENTER
17 DYNAMICS INTERNATIONAL. THE DERIVATION WILL TAKE
18 PLACE AT THE BUCK INSTITUTE. AND THEN THE BANKING
19 OR REPOSITORY, THE THIRD PHASE, THE PI IS STEVE
20 MADORE. THE CORIELL INSTITUTE IS THE INSTITUTION,
21 AND THAT WILL ALSO TAKE PLACE AND THE CELLS WILL BE
22 BANKED AND DISTRIBUTED FROM THE BUCK INSTITUTE, FROM
23 A CORIELL COMPONENT FACILITY THERE.

24 WE'VE BEEN WORKING, AND WHEN I SAY WE, A
25 LOT OF DIFFERENT PEOPLE FROM CIRM AND OUTSIDE CIRM,

BARRISTERS' REPORTING SERVICE

1 SOME ADVISORS, GEOFF CERTAINLY HAS LED IN WORKING
2 CLOSELY WITH GRANTEES TO ENSURE THE MANAGEMENT OF
3 PATIENT SAMPLES AND MEDICAL INFORMATION TO CONFORM
4 WITH CIRM REQUIREMENTS AND NATIONAL STANDARDS.
5 PARTICULARLY WE HAD A KICKOFF MEETING IN JUNE WITH
6 ALL OF OUR GRANTEES BROUGHT TOGETHER TO DISCUSS
7 PROCEDURES AND OUTSTANDING ISSUES. AND OVER THE
8 LAST FEW MONTHS, WE'VE BEEN MOVING, AS I SAID,
9 RAPIDLY TOWARDS NGA. THE NGA'S FOR THE TISSUE
10 COLLECTORS ARE ABOUT TO BE RELEASED WITHIN A DAY.
11 THEY SHOULD BE RELEASED THIS WEEK FOR, I THINK, ALL
12 OF THEM. CLOSELY BEHIND THAT WILL BE THE NGA
13 RELEASES FOR CDI AND CORIELL.

14 I'D SAY THAT ALL APPLICANTS ARE UTILIZING
15 A MODEL INFORMED CONSENT DEVELOPED BY THE STANDARDS
16 WORKING GROUP WITH A LOT OF CONSTRUCTIVE INPUT FROM
17 GEOFF AND FROM OTHERS. ALL TISSUE COLLECTORS HAVE
18 RECEIVED IRB APPROVAL FROM THEIR INSTITUTIONS FOR
19 THE COLLECTION PROJECT.

20 CIRM IS ALSO DEVELOPING AN EDUCATIONAL
21 BROCHURE FOR THE PROJECT TO SUPPORT THE CONSENT
22 PROCESS. AND CIRM IS WORKING WITH GRANTEES TO
23 INCORPORATE DRAFT NIH GENOMIC DATA SHARING POLICY.
24 SOME OF THE TISSUE COLLECTORS ARE COLLECTING, NOT AS
25 PART OF OUR PROJECT, BUT AS PART OF A RELATED OR

BARRISTERS' REPORTING SERVICE

1 ASSOCIATED PROJECT GENOMIC DATA IN PARTICULAR AND
2 DEPOSITING THAT. AT LEAST IN TWO CASES IN CDGAP
3 DATABASE AT THE NIH. WE WANT TO MAKE SURE THAT ALL
4 THIS INCORPORATION IS CONSISTENT WITH ESTABLISHED
5 POLICY.

6 AND ALSO JEFF BOTKIN HAS BEEN PLAYING A
7 SPECIAL ADVISOR ROLE AND MAY WANT TO SHARE HIS
8 OBSERVATIONS, OR GEOFF LOMAX MAY WANT TO SHARE HIS
9 OBSERVATIONS.

10 DR. LOMAX: WE DID INVITE DR. BOTKIN. HE
11 SIGNED OFF.

12 DR. BOTKIN: I'M STILL HERE.

13 DR. LOMAX: ANY THOUGHTS OR COMMENTS AT
14 THIS STAGE?

15 DR. BOTKIN: I APPRECIATE THE OPPORTUNITY
16 TO COMMENT. IT WAS A FASCINATING PROCESS WITH SOME
17 REALLY EXCEPTIONALLY DIFFICULT ISSUES. AND I REALLY
18 DON'T HAVE ANYTHING MORE TO SAY OTHER THAN THAT. I
19 THOUGHT IT WAS A VERY PRODUCTIVE AND COLLABORATIVE
20 PROCESS. SO THANK YOU.

21 DR. LOMAX: OKAY.

22 CHAIRMAN LO: OKAY. ALL RIGHT. SO
23 ANYTHING ELSE THAT WE NEED TO DO, GEOFF LOMAX?

24 MS. LANSING: I JUST WANT TO THANK
25 EVERYBODY ON THE CALL. AS I SAID, SO MANY OF YOU

BARRISTERS' REPORTING SERVICE

1 HAVE BEEN HERE FROM THE BEGINNING AND YOUR DEVOTION
2 TO THE CAUSE IN THIS EXCITING TIME WHEN WE HOPEFULLY
3 ENTER CLINICAL TRIALS AND THE TIME THAT YOU DEVOTE
4 TO THIS IS REALLY, FROM ALL OF US AT CIRM WE EXPRESS
5 DEEP GRATITUDE FOR YOUR KNOWLEDGE AND YOUR TIME AND
6 YOUR COMMITMENT.

7 CHAIRMAN LO: I AGREE TOTALLY. SHERRY
8 SAID IT VERY ELOQUENTLY AS SHE ALWAYS DOES.

9 DR. LOMAX: THANK EVERYONE FOR THEIR TIME.
10 WE WILL KEEP YOU POSTED AS WE MOVE FORWARD.

11 CHAIRMAN LO: THANK YOU, GEOFF, FOR
12 PULLING THIS TOGETHER.

13 (THE MEETING WAS THEN CONCLUDED AT
14 11:27 AM.)

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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 TELEPHONIC PROCEEDINGS BEFORE THE SCIENTIFIC AND MEDICAL ACCOUNTABILITY STANDARDS WORKING GROUP OF THE INDEPENDENT CITIZEN'S OVERSIGHT COMMITTEE OF THE CALIFORNIA INSTITUTE FOR REGENERATIVE MEDICINE IN THE MATTER OF ITS REGULAR MEETING HELD ON TUESDAY, OCTOBER 1, 2013, 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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