

1 Medicine, we do have our Office of Research.
2 And for us, on one aspect of looking at drugs
3 would be residues in animals for which there
4 would be a food product generated. And so
5 validation is something we do an awful lot.

6 But at the same time when you heard
7 mention earlier about can we get some rapid
8 diagnostics, we also have the capability with
9 our folks to be able to start some of that.
10 So we do have a real time PCR that can be
11 used, for example, for me in bone meal that we
12 look at in dairy feed.

13 But it is investigatory and you'd
14 like to go beyond that. And you'd like to do
15 it far more quickly which means how can we
16 collaborate with other folks who are truly
17 state of the art to enhance this a little bit
18 quicker because the need is there. And our
19 folks can only do so much. So that's where
20 there would be a real enhancement of sharing.

21 DR. McNEIL: Bill?

22 DR. SLIKKER: Well, I was just

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1 thinking, one could argue that by the time the
2 paper comes out and you see it in hard print,
3 you are already behind the curve.

4 DR. McNEIL: Right.

5 DR. SLIKKER: If you are waiting
6 for the drug to be submitted in an
7 application, you are already behind the curve
8 in developing technology to evaluate it.

9 So one way to get out in front, of
10 course, is use the scientific conferences and
11 scientific societies that we all belong to to
12 help us stay in the front by attending those
13 meetings. And I think that Frank brought this
14 up to have more FDA opportunities to be there
15 and see the cutting edge science and be part
16 of it and be publishing it.

17 And the way is to have individual
18 members of the Science Board help us to
19 orchestrate symposium and other activities in
20 conjunction with these national science
21 societies.

22 And you could suggest to either

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1 come by yourself and give a presentation or
2 suggest individuals that would be very good to
3 be listening to. And we can include those
4 into our symposium topics.

5 So I think there are ways to do it
6 that way that we could keep -- in front of the
7 curve is where we need to be.

8 DR. PHILBERT: Yes, I'd like to
9 echo what Bill just said in the sense that I
10 don't think any human is really good at
11 prognostication. It's just that a few people
12 know what is going on in a few places before
13 the rest of us do.

14 And so I'm not really sure how you
15 operationalize that kind of thinking broadly
16 without focusing on a specific issue.

17 Just on the opportunity space,
18 there are a number of centers, not just CTSA's
19 but there are risk science centers, there are
20 nanotech centers, all focused on special
21 issues that I'm sure would happily host in
22 various venues.

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1 And even get together to talk about
2 issues of common interest because the FDA is
3 frequently the first hurdle that they are
4 going to meet -- the first real hurdle after
5 their development of their products.

6 DR. CASSELL: I would like to just
7 make a suggestion that for one of our very
8 next meetings if it would be possible to have
9 it on rapid diagnostics. And ask the
10 Department of Homeland Security, DARPA, and
11 some of the national labs that have invested
12 hundreds of millions of dollars in issues
13 related to detection over the last five years,
14 six year to come and share some of that
15 information.

16 Or to have, you know, ORA and CVM
17 and also CBER, I'm thinking especially in
18 terms of the challenges as far as detection of
19 agents in tissues and also even for impurities
20 as far as counterfeiting.

21 I still am impressed that we are
22 not taking advantage of all the monies that

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1 have been invested in this work. And it
2 literally is hundreds of millions of dollars.

3 And the FDA should be able to benefit as much
4 as anybody from that investment.

5 DR. McNEIL: Okay. So we have two
6 challenges. One is to just figure out very
7 generically about where this Board generically
8 should go in the next year. Just take us
9 through the end of `09.

10 And then we also have to figure out
11 somehow or other how to synthesize and be
12 quite specific about some of these suggestions
13 and opportunities that have been made now.
14 And there may very well be an overlap.

15 In other words, the plans that we
16 went into this meeting thinking about may get
17 changed as a result of this discussion. But
18 they could also be parallel activities.

19 So I'm wondering if we want to
20 think about having a small subset of this
21 Science Board. When will the other
22 individuals be named?

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1 DR. ALDERSON: The other nine?

2 DR. McNEIL: The other nine.

3 DR. ALDERSON: As soon as we can
4 get them through the process.

5 DR. McNEIL: But when typically
6 will that be?

7 DR. PEÑA: That's going to take a
8 couple of weeks at least because we have to --

9 DR. McNEIL: A couple weeks? We
10 could live with that.

11 DR. PEÑA: I mean it is going to
12 take maybe several weeks because we just have
13 to also -- the charter has to be officially
14 renewed.

15 DR. McNEIL: Okay. Well one of the
16 things I was thinking about in terms of trying
17 to augment and be as helpful as possible to
18 the FDA is there a small subgroup here that
19 might work with some or all of this group here
20 to say what very specific things could we do?

21 Just really be very, very specific. And come
22 to the -- either have some email traffic

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1 between now and October or have a presentation
2 in October. I don't know what. I'd actually
3 rather see some email between now and October.

4 DR. PEÑA: I think that is actually
5 a good approach because I believe we, at the
6 FDA, hear very clearly that workshops are one
7 opportunity for us to capitalize on.

8 What we need to be able to do is go
9 back and evaluate all the different
10 possibilities that are available and maybe
11 present those at the next Science Board
12 meeting which is in line with your thoughts.

13 You know we want to make sure that
14 we are in line with the various FACA
15 requirements and other rules that we need to
16 abide by for these meetings.

17 DR. McNEIL: Right. I mean I have
18 six pages of -- six or seven pages of
19 unreadable notes. But Frank?

20 DR. TORTI: So Barbara, maybe you
21 want a -- we could give you a job here -- just
22 sort of lay out from those notes some, you

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1 know, just set up some straw man suggestions
2 for the next meeting or two or three. And
3 then everyone can respond back.

4 So just as a way of getting it
5 started, I think that will be very valuable,
6 you know, as just a first sort of cut at how
7 this should develop. So if you would be
8 willing to do that --

9 DR. McNEIL: Well, let me -- okay.
10 Hold on. Keep that thought.

11 Janet, did you want to say
12 something?

13 DR. WOODCOCK: I just have a
14 question for the Board. Would you like to
15 hear, as we are putting together the Sentinel
16 System?

17 DR. McNEIL: Yes, definitely.

18 DR. WOODCOCK: Okay. We can put
19 that on the agenda at some upcoming meeting
20 then. It will take a bit of time to discuss.

21 DR. McNEIL: Let me tell you, if I
22 could, when I got together with Frank and

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1 Norris and Carlos and what I gathered from
2 rereading the report and just mulling things
3 over.

4 And when I was trying to think
5 about how we might proceed going forward, I
6 had three generic areas pre this discussion.
7 So rewind two hours.

8 And one of them was that we might
9 take several of the areas that were written up
10 as hot topics in our Science Report. And look
11 at those, say genomic or regenerative
12 medicine, or nanotechnology, or combination
13 products, or imaging as a vital marker,
14 whatever, I mean just pick some of them.

15 And say okay, it would be really
16 useful if the Board and the FDA staff could
17 hear an hour talk, no more than that, from
18 somebody on the outside about what they think
19 is the leading edge in that area, you know, a
20 little bit of baby talk but then what is the
21 leading edge.

22 And then that got followed by a

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1 presentation by somebody from here about what
2 you are doing and where you thought you wanted
3 to go.

4 And then maybe in the October
5 meeting, we could take three topics and spend
6 two hours each with formal presentations and
7 then questions. And then we're done for the
8 day.

9 That was one thought I had.
10 Another thought I had was, and it is a little
11 bit implicit in something several of you said,
12 and I actually remember who, I'd have to go
13 back, was science is changing so fast, would
14 it be useful to really understand how we are
15 training our scientific reviewers.

16 And getting a better handle on that
17 in terms of what they need to know, either
18 colleges or training opportunities, the best
19 they could be. And might you benefit from
20 some of the collaborations that you alluded to
21 already in terms of the training aspects of
22 things.

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1 And the third aspect was going back
2 to Gail in our prior activities was do we want
3 to continue to review that way we did NCTR and
4 ORA this time? Brief reviews of some of the
5 centers in that age of like CBER or CFSAN or
6 whatever. And just have reports and
7 presentations similar to what we heard today.

8 Those were my thought because
9 Carlos said Barbara, you have to have thoughts
10 before you get into the meeting because you
11 are on the agenda at three o'clock for future
12 direction. So there they are.

13 But now we have a number of new
14 ones so I don't think we need to perseverate
15 on this topic. But I think we do need some
16 direction about how to proceed in terms of the
17 Board's interaction with all of you with
18 regard to the specific suggestions that were
19 made now as well as some of the others that
20 emerged, in part, from the Science Board
21 Report and other discussions.

22 So I would like discussion on this

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1 matter because I am integrating them. I'm not
2 calling it matters -- matter.

3 DR. SLIKKER: Well, you know, I
4 really like the idea of examining one of these
5 sort of hot topic areas in more depth. Now
6 only does it give us a chance to actually talk
7 about some science but it allows us to focus
8 on some forward-looking science.

9 And I there is one thing is where
10 the edge of the field is for the universe and
11 then where the edge of the field for FDA's
12 interest. And I think those two things coming
13 together would be important to look at.

14 DR. CASSELL: I hate to disagree
15 with my colleague Bill but it seems to me that
16 it might be more helpful first if we had an
17 afternoon or a morning where we thought about
18 what is the best mechanism for monitoring the
19 emerging science and being able to act on it
20 within FDA.

21 Maybe you have already done that
22 and you know exactly what you want to do but,

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1 Frank, I would be interested to know, if that
2 is the case, or would it be important to think
3 about mechanisms before we start talking about
4 specific topics because as I viewed that, I
5 mean there are ample opportunities at
6 scientific meetings to get, you know, the
7 latest update.

8 PARTICIPANT: Who is going to go?

9 DR. CASSELL: Well, we hope that
10 they are going to have more resources so they
11 can go. But anyway, that would be my bias.

12 DR. McNEIL: Yes, Larry?

13 DR. SASICH: About continued
14 reviews if it would be helpful to the agency,
15 I would say yes. I think it would be
16 interesting to me and hopefully to other Board
17 members is we have had some new laws passed
18 that are supposed to alleviate some of the
19 problems that were brought up in FDA Science
20 and Mission at Risk, some of the issues that
21 have been raised to see have we been
22 successful, are they being implemented, are

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1 they being implemented in the way that best
2 serves you and in your regulatory mission.

3 To me that would be very worthwhile
4 kind of feedback to see if we, as a Board, are
5 going in the right direction or if there is
6 something else that we should be doing.

7 DR. PEÑA: I think -- I'd just like
8 to comment that a peer review process would be
9 a task that FDA could come back to the Board
10 with because there are many activities
11 purported by the directors, the Bio
12 Initiative, the NARMS Program, some of the
13 CFSAN food activities that Dave mentioned in
14 their comments that the Science Board could be
15 a part of in the peer review.

16 And that could be something that we
17 could prioritize and come back at the October
18 meeting. So I think that is a very practical
19 activity that still is in line with many of
20 the comments from back in December. And we
21 still have a productive meeting.

22 DR. McNEIL: So what was that

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1 again?

2 DR. PEÑA: There were a number of
3 comments about peer review activities by the
4 Science Board for each of the centers. The
5 agency could go back now, prioritize those
6 areas of sciences that need to be peer
7 reviewed for the next meeting and come back to
8 the Board with the proposal.

9 DR. McNEIL: Okay.

10 DR. CASSELL: Maybe once you have -
11 - oh, sorry.

12 DR. PEÑA: I would just add that
13 that is also in line with Dr. Torti's lines on
14 how the Board can help. There are lots of
15 peer review self-reflection activities that we
16 could really be benefitting from the Science
17 Board.

18 DR. CASSELL: Then maybe when you
19 have that prioritized list, you could use that
20 as -- Barbara, your idea of selecting a hot
21 topic and Bill's idea of, you know, an
22 internal/external kind of presentation before

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1 the review takes place maybe.

2 DR. TORTI: I don't think any of
3 these things are mutually exclusive. The
4 plate has gone from pretty empty to pretty
5 full over the course of, you know, an hour and
6 half's discussion.

7 So, I mean, really it is going to
8 be not a sense of what to do over the next
9 year but how to get in a reasonable amount of
10 both the broad based sort of issues, you know,
11 of understanding the techniques to understand
12 where we are going as well as, I think, a real
13 need that I have heard from all the center
14 Directors of wanting to drill down on your
15 recommendations and also give the centers an
16 opportunity to show where they are in more
17 detail in some of these areas.

18 And I think that interface between
19 where the field is and, as Bill has pointed,
20 where the FDA fits into that field. And where
21 we are now in terms of the science will
22 generate a great deal of discussion right at

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1 that junction because I think some will say
2 this is great, you know. You are at the
3 cutting edge.

4 Some will say but you are missing
5 X, Y, and Z. And that sort of tension will
6 give us an opportunity to see what the
7 proximal next steps are. And I think one of
8 the things that I think the Board has wanted
9 is to see what are the proximal next steps?
10 What are steps 1, 2, and 3 to go from the
11 recommendations to the implementation?

12 And so that is hard to do in a
13 global sense. It is easier to do in a
14 specific. So if we take your priorities for
15 emerging science and put those together with
16 what we are doing, we will get some answers as
17 to where we are and where we should be going.

18 So I think there could be, you
19 know, a mix of these things but both the more
20 global and the more specific in these meetings
21 that would be exciting, interesting, and the
22 discussion would be very scientific at the

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1 Science Board, which I think will generate a
2 lot of interest around the table.

3 So are just some thoughts on it.

4 DR. McNEIL: So, Frank, in the
5 interest of not having a meeting in October
6 that is process driven and just, you know,
7 let's look at all the -- that could just kill
8 us particularly if we have new members. Let's
9 look at the 16 things and try to array them in
10 order of priority.

11 I think that wouldn't appeal to me
12 as a way of starting off a relatively new way
13 of doing things with an expanded Board and
14 more meetings. I'd like to have a little more
15 substance to the discussion.

16 And I'm wondering if we couldn't
17 just arbitrarily pick something that we think
18 it would be great -- I mean Gail put up rapid
19 diagnostic -- but I'm just wondering if there
20 isn't some -- and Bill was talking about what
21 is the front of the curve for the country
22 versus the FDA.

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1 I'm wondering if there isn't some
2 area that we could pick just for a couple of
3 hours and say let's just see where we are and
4 where the country is in thinking about that
5 area as an important one for us.

6 Janet, do I see you look like you
7 want to say something? No?

8 DR. WOODCOCK: I'll let Jesse.

9 DR. GOODMAN: Well, you know one
10 area that might be -- that all the centers are
11 working in and that is forward looking and
12 that is genomics. So we could, for example,
13 describe the things we are doing, the programs
14 we are trying to grow, the collaborations we
15 have. And seek input on that. That is a
16 cross-cutting area.

17 If you are looking for something
18 like that, another would be the work we are
19 all doing with healthcare data and the
20 beginning of the vision of the Sentinel System
21 as Janet said. But it is early, I think, in
22 that area.

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1 So you might want to wait on that.
2 But that is just one area. And I agree with
3 -- I think Gail's issue on rapid detection
4 technologies and certainly that also ought to
5 include our colleagues in CDRH who, you know
6 because one of the big issues we always see is
7 the validation and quality of these methods.
8 And there are experts in that.

9 So that's another area where we
10 could bring FDA and outside scientists
11 together. Not necessary a workshop but we
12 could hear about where they see the field is
13 going. And we could talk about how we are
14 working to manage that. And maybe there are
15 useful visions that could come out of that if
16 you want to get away from the process stuff.

17 DR. McNEIL: What are you
18 suggesting, Jesse?

19 DR. GOODMAN: Well, one --

20 DR. McNEIL: Either the genomics or
21 rapid detection?

22 DR. GOODMAN: -- genomics across

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1 the Board or rapid detection and diagnosis.
2 Both to hear, you know, like Gail and I are in
3 a lot of the same meetings. And we do --
4 Janet and I, for example, have interacted with
5 DARPA. There is a lot of interesting stuff
6 going on. We could have some presentations on
7 that.

8 Probably either of those to do them
9 right and to get the right outside people
10 would take a day themselves. So we might want
11 to just pick one if we were going to do that.

12 This doesn't get -- it becomes
13 specific so it may be useful. It doesn't get
14 to the much bigger picture such as Frank and
15 Andy were talking about of you know how do we
16 take the whole program forward. But, you
17 know, maybe it builds that around a specific
18 example.

19 DR. McNEIL: Okay, well let's go to
20 Bernadette and then Gail. And then come back
21 to Frank.

22 DR. DUNHAM: Just to pick up on

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1 what Jesse just said, we are going to have in
2 June two days inside FDA looking at genomics.
3 So we are going to do basically a Genomics 101
4 just to invite anybody from FDA to come and
5 learn, you know, what is genomics, how are we
6 using it here?

7 And then we are going to have a
8 second day with our breakout sessions to
9 really delve into what you are talking about.

10 What is regulatory science? How do we fill
11 that gap? How do we keep genomics growing
12 here? We have done a fabulous program with
13 voluntary submission. And we learned an awful
14 lot.

15 So this is going to continue grow. It
16 would be nice to be able to have that. And we
17 would probably be able to share that with you
18 as well. And then grow from there further.

19 But I do think taking a couple of
20 small things would be favorable. And I do
21 agree, rapid diagnostics is one we all
22 embrace.

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1 DR. CASSELL: So we did have a sub-
2 working group on genomics. And we collected a
3 lot of information on what each of the centers
4 was doing in this area. And that was just
5 last year. Well, it hasn't been quite 12
6 months yet.

7 And I just wondered if it is time
8 to revisit that yet. Or if we should turn to
9 maybe a new topic that wasn't covered.

10 And I'm also kind of wondering, we
11 have a dinner the night before but would it
12 possible to start at lunchtime the day before
13 the Science Board meeting and maybe take some
14 of the topics that Lonnie suggested that
15 relates to -- I've forgotten -- that
16 innovation -- what was on your list? You had
17 some good suggestions that could tie in to the
18 diagnostics piece.

19 DR. McNEIL: So I still don't quite
20 have what we are doing but I understand the
21 fact that you are going to have genomics in a
22 month for two days. And we did it a year ago.

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1 And you will have received a lot of
2 information from this workshop. So that might
3 do it in terms of figuring out where you are
4 or want to be on genomics.

5 DR. DUNHAM: It's going to help
6 identify where the gaps are and how can we
7 continue to grow forward.

8 DR. McNEIL: Okay, right.

9 DR. DUNHAM: What are the resources
10 that we need in order to continue moving and
11 utilizing genomics?

12 DR. McNEIL: So we can almost that
13 this done for the moment at the first level?

14 DR. DUNHAM: It's actively being
15 pursued, yes.

16 DR. McNEIL: Okay. So then we have
17 the rapid detection and diagnosis, which was
18 the other one. So we picked out one topic
19 from all of the multiple suggestions you have
20 made.

21 To my satisfaction, we haven't yet
22 integrated all of the possible suggestions

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1 that you think might be helpful. I don't
2 think we have done that. I mean we have just
3 picked some low-hanging fruit.

4 And I'm still wondering whether we
5 want to have a few people from the Board work
6 with you to figure out what is a more
7 systematic way of finding out how we can be
8 more helpful. Does that make sense?

9 I don't want to make work for
10 anybody. But if that made sense, then I think
11 that we should go ahead and do it.

12 One second, Jack. Larry?

13 DR. KESSLER: Well, very briefly, I
14 think there are certain areas that are cross
15 cutting. And I think the Board can be very
16 helpful in some of those areas.

17 So rapid detection is one of them.
18 It cuts across not everybody but a large
19 number of the agencies.

20 There are other areas you can be
21 very helpful in and they are going to be
22 targeted either for one center or two centers.

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1 And those can be very, very helpful because
2 they will be in depth.

3 And I just want to echo what Jesse
4 said, to do this right, a couple of hours is
5 not going to be enough. You need at least a
6 half day or a full day to really help us.

7 If you are going to help us
8 identify gaps and talk about what are the
9 regulatory issues, what are the scientific
10 issues, which issues best fit FDA and the
11 science we can do, and which things can you
12 all say that is something that we need to
13 champion elsewhere either for funding or doing
14 academia or collaborative in a different way.

15 And try and figure out what is what.

16 So I think you are going to need
17 some more time. But you need to identify
18 separate issues. Some things cut across the
19 agency. Genomics is one, nanotechnology is
20 one, et cetera. But there are certain things
21 that I need that no one else needs.

22 DR. McNEIL: All right. Janet And

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1 then I'm going to ask you to come back to
2 Jesse. And then Jack Linehan. I want to ask
3 you how specifically to do that. But, Janet,
4 maybe that is what you are going to say.

5 DR. WOODCOCK: I like rapid
6 diagnostics as a topic. I think it is very
7 timely. I'm not sure -- it's both science --
8 it's where the regulatory system is getting up
9 against the science which, in some ways, the
10 scientists are unwilling often, the developers
11 to recognize what is actually need
12 scientifically to make something robust and
13 usable. And then they call that a regulatory
14 problem.

15 So I think -- no, really -- and I
16 think that is a very classic conundrum. And
17 think that is worthwhile. We certainly had
18 long discussions with DARPA and others about
19 some of these issues.

20 Genomics, you know, broadly I would
21 not support doing that just very broadly.
22 Pharmacogenomics is a topic we could do a

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1 week's seminar -- we could do a week's in
2 pharmacogenomics. Done a huge amount of stuff
3 on pharmacogenomics and so forth. So it is a
4 really broad issue.

5 And I think I agree with Larry
6 that, you know, if we are going to address
7 something, it is going to have to be something
8 that you can get your hands around in a day or
9 a half a day or whatever.

10 So is you are going to do a topic
11 on genomics, I would advise doing something
12 that is manageable and also that there isn't a
13 huge amount already of expertise at the agency
14 that are already dealing with this.

15 DR. McNEIL: Jack?

16 DR. LINEHAN: So that segues into
17 my comment. I think that the issues of what
18 the Science Board can do to help you ought to
19 be your value judgment. They ought to be
20 adding value to your job, not adding value to
21 our jobs so to speak.

22 And certainly time being of the

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1 essence, so to speak, we shouldn't be just
2 trying to think of things to keep the Board
3 busy because we all have a day job, too.

4 But that being said, there was one
5 issue that was cross cutting that kind of came
6 up today and just popped into my mind. And
7 that is on collaboration and how to build
8 collaborations.

9 A CIMIT, some of you may know
10 CIMIT. It is up at Mass General, the Center
11 for something. An did anybody ever hear of
12 CIMIT? You know it.

13 So anyway, they are holding a
14 meeting on June 10 on collaborations, how to
15 build collaborations, what works, what
16 doesn't, what is the impact of technology on
17 collaborations. And it has to do with people
18 that are sitting across the table and other
19 people.

20 And it being run by a guy by the
21 name of John Abele, who some of you may know,
22 who founded Boston Scientific. But his area

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1 now of interest is collaborations. And a guy
2 by the name of Elliott Masie, who runs a
3 learning center and is very famous for
4 training, how to use technology to do training
5 and so forth.

6 Now something like that is
7 attractive. He's got a very eclectic
8 audience. So people are getting on planes to
9 go listen to this.

10 Maybe that is something that would
11 be of value here relative to the agency,
12 particularly if you are going to start
13 investing in technologies that are going to
14 assist you in being more collaborative.

15 DR. McNEIL: I wonder -- just to
16 kind of close off one part of this discussion
17 that relates the Board's helping or trying to
18 be as proactive in identifying areas as
19 possible.

20 We already, I think, said we wanted
21 to have a half day or a full day, some sort of
22 session. I think we agreed on rapid

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1 diagnostics. Did we?

2 DR. GOODMAN: Rapid detection.

3 DR. McNEIL: Okay, rapid detection.

4 I'm sorry, Jesse, rapid detection. I'm in
5 radiology so, of course, I think of diagnosis.

6 (Laughter.)

7 DR. McNEIL: Sorry, my stripes come
8 out all the time.

9 So we can talk about that as
10 something for the October meeting. And we can
11 talk about other things as well.

12 But I'm wondering if two, maybe
13 three people from this Science Board, not the
14 new ones because they would be a little bit
15 too green, would be willing to work with the
16 center Directors to think about a way of
17 concritizing the many specific suggestions
18 that were made.

19 And to come back -- to have some
20 email traffic over the summer potentially
21 among yourselves and then with the rest of the
22 Board. And whether we could finalize

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1 something before October and bring it really
2 as really a final product for final approval.

3 That would be much better than
4 having -- what I don't want to do is waste
5 October. That is my biggest fear, that we
6 could really waste October in terms of moving
7 forward.

8 So does that seem like a plan that
9 we could get a couple of people from -- so who
10 wants to raise -- Cathy, that's great.

11 Cathy, Larry? Two. Okay, Cathy
12 and Larry. Gail, did you raise your hand for
13 that?

14 DR. CASSELL: I would be willing to
15 help but since I'm kind of rotating off and at
16 the risk of offending everybody, I'd just like
17 to say based on what I have heard you say, how
18 you think we could be helpful in our
19 deliberations in terms of how to address the
20 many different topics that have been
21 identified, I go back to where I started out
22 this morning. Those areas are the very ones

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1 you would want somebody advising your own
2 center to be helping you with.

3 And you can see the difficulty, I
4 think, in trying to ask a more heterogenous
5 group like this to try to help solve those
6 problems. So these are my parting words.

7 DR. McNEIL: Well, no they're not
8 your parting words. You have to be here in
9 October.

10 DR. CASSELL: Well, to rethink this
11 because I just see an enormous advantage if
12 you had that kind of system. But anyway that
13 is what --

14 DR. McNEIL: We did hear an opinion
15 on that earlier.

16 DR. CASSELL: I'm sorry. I know
17 you did. Last shot.

18 DR. McNEIL: Well, there is nothing
19 we can do about it.

20 DR. CASSELL: I understand.

21 DR. WOTEKI: At least in my
22 volunteering, Barbara, part of what I'm

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1 hearing is that you are asking for us to help
2 sort through an agenda of work for the year
3 coming up. And that can be topic areas that
4 are at the broad FDA cross-cutting level. Or
5 they may be very specific.

6 And Frank in his charge to us as
7 well --

8 DR. McNEIL: Right.

9 DR. WOTEKI: -- of things that
10 could be done, I think needs to be put into
11 this hopper.

12 And what I would expect from this
13 work over the next couple of months would be
14 for us to come back with some ideas of what
15 the agenda of work could be for four meetings
16 in the coming year with the expectation as
17 well that there would be specific requests
18 from the Commissioner for this group to take
19 up.

20 That this would be a collaborative
21 work that we would be doing with the center
22 Directors but there would also be --

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1 DR. McNEIL: And Frank.

2 DR. WOTEKI: And Frank, I'm sorry.

3 And then -- but there's also always
4 the Commissioner would be putting items on the
5 agenda.

6 DR. McNEIL: Correct. So I think
7 we could assume that the Commissioner and
8 Frank -- for sure? -- as well as the center
9 Directors would be putting stuff on the table.

10 And there may be things on the table that
11 would be culled from the report, the December
12 report.

13 That on reflection seemed very
14 salient. And that we're not going to do it
15 perfectly. But we actually have a lot to do
16 so we might as well -- what was the expression
17 -- how were we building the house -- how was
18 he building the house this morning -- design
19 and build.

20 So if we take that approach and
21 Cathy and Larry agree -- is that okay with
22 you, Frank?

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1 DR. TORTI: That's fine.
2 Absolutely.

3 DR. McNEIL: We could do that. And
4 then we could agree that in the fall, for sure
5 we talk about rapid detection. And we can
6 figure out how to work that up. That's not a
7 -- I don't know if that is a -- and we hear
8 this report back.

9 And is there anything else, Frank,
10 that you think we might want to talk about?

11 DR. TORTI: Given just a little bit
12 of time and a few emails, we can work through,
13 you know, a year's worth of proposals.

14 And then, you know, the entire
15 Board can look at that. We can get feedback
16 from the entire Board as well as from Andy and
17 see where, you know -- and again, I think the
18 challenge will not be to find things to do.

19 The challenge will be to limit the
20 large number of things that we should do. And
21 it is going to be an issue of just which ones
22 go first. So I look forward to that. And I

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1 also thing rapid detection is a good way to
2 start. So we can do that.

3 DR. McNEIL: So Cathy and Larry
4 then have volunteered to be on this
5 subcommittee of the Board, working with Frank
6 and I'm happy to be involved or I would like
7 to be involved as well along with this side of
8 the room.

9 I was really impressed. I can't
10 thank you enough for all of your comments.
11 They were just terrific.

12 And it was striking to me how much
13 overlap and synergy there was among them. So
14 that makes me think that there really will be
15 an opportunity for us to help.

16 I mean that really is the goal, to
17 be helpful. And hopefully it will work.

18 Now let's see. So we have that to
19 do. The question comes up about the four
20 meetings a year, which presumably we will have
21 starting in '09. And we're not going to
22 schedule them now.

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1 But I'd just like a show of hands
2 in terms of how many people would like to meet
3 during the summer -- July and August -- or
4 would rather have the four meetings spread
5 January to June and September to December.

6 So you are now voting for January
7 to June and September to December. That's the
8 vote. Do you prefer that over four meetings
9 that will include one meeting in July or
10 August? So is that clear?

11 If you raise your hand, you want to
12 skip a meeting in the summer.

13 Oh, okay. So raise your hands if
14 you want a meeting in the summer. Wait a
15 minute.

16 (Laughter.)

17 DR. McNEIL: This is next -- '09.
18 So wait a minute. Something is wrong here. I
19 can't count. So what I sense from this, this
20 non-definitive Florida kind of vote is that we
21 don't have a clear consensus among this crowd
22 because only four people voted out of eight.

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1 So we will work on this offline then if that
2 is okay.

3 Let's see. What else? Is there
4 any other business that we need to take care
5 of right now? We've talked about -- anything
6 else? Comments from anybody?

7 (No response.)

8 DR. McNEIL: Well, if not, I want
9 to thank in particular our center Directors
10 for spending a lot of your very valuable time
11 here A, today, and B, prior to today in terms
12 of thinking about what is most important to
13 you because that is very valuable to us.

14 And, of course, I'd like to thank
15 all of the members of the Board and Carlos,
16 and Norris, and Monica if she is here, and
17 Frank.

18 So I guess with that we can adjourn
19 the meeting. Thank you.

20 (Whereupon, the above-entitled
21 meeting was concluded at 3:08 p.m.)

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