Filed 11/15/2006

Page 1 of 8

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UNITED STATES DISTRICT COURT
NORTHERN DISTRICT OF CALIFORNIA
THE BOARD OF TRUSTEES OF THE LELAND
STANFORD JUNIOR UNIVERSITY,

Plaintiff

vs.

CASE NUMBER: C-05-04158 MHP

ROCHE MOLECULAR SYSTEMS, INC., ROCHE DIAGNOSTICS CORPORATION; ROCHE DIAGNOSTICS OPERATIONS, INC. Defendants

ROCHE MOLECULAR SYSTEMS, INC.
ROCHE DIAGNOSTICS CORPORATION;
ROCHE DIAGNOSTICS OPERATIONS, INC.,

Counter-Claimants

YS.
THE BOARD OF TRUSTEES OF THE
LELAND STANFORD JUNIOR UNIVERSITY;
AND THOMAS MERIGAN.

Counter-claim Defendants

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The video deposition of DAVID H. SCHWARTZ,
M.D. was held on Monday, October 16th, 2006, commencing
at 9:15 a.m. at the Law Offices of Bowie & Jensen, LLC,
29 West Susquehanna Avenue, Suite 600, Towson,
Maryland, 21204, Baltimore, Maryland, before R. Dwayne
Harrison, Notary Public.
JOB NO. 54638

STIPULATION

2 It is stipulated and agreed by and between

3 counsel for the respective parties that the filing of

4 this deposition with the Clerk of Court be and the same

5 are hereby waived.

7 follows:

VIDEOGRAPHER: Here begins media number one

9 of the deposition of Dr. David Schwartz in the matter

10 of the Board of Trustees of Leland Stanford Junior

11 University vs. Roche Molecular Systems, et al. and

12 Roche Molecular Systems, et al. vs. the Board of

13 Trustees of Leland Stanford Junior University. This

14 case is in the court of the United States District

15 Court Northern District of California and the case

16 number is C-05-04158 MHP. Today's date is

17 October 16th, 2006 and the time is 9:18. The

18 deposition is taking place at 29 West Susquehanna

19 Avenue, Suite 600, Towson, Maryland 21204 and it's

20 being taken on behalf of the -- is it the Plaintiffs?

MR. BOOZELL: Both.

VIDEOGRAPHER: Plaintiffs and defendants.

23 The videographer is Janet Thomas appearing on behalf of

24 Sarnoff Court Reporters & Legal Technologies located in

25 Irvine, Los Angeles, San Francisco, California.

Page 1

Page 3

APPEARANCES:

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E-mail: glikin@bowie-jensen.com
On behalf of Plaintiff

On Column of I market

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JEFFREY N. BOOZELL, ESQUIRE Quinn, Emanuel, Urquhart, Oliver & Hedges, LLP

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11 On behalf of Roche Molecular Systems, Inc., Roche Diagnostics 12 Corporation; Roche Diagnostics

Operations, Inc.

MICHELLE S. RHYU, ESQUIRE

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15 3000 El Camino Real

Palo Alto, California, 94306-2155
16 Tel: 650.843.5505 Fax: 650.857.0663
E-mail: mrhvu@coolev.com

17 On behalf of Board of Trustees of the Leland Stanford Junior 18 University; and Thomas Merigan

19 ALSO PRESENT: 20 SUJATHA IYENGAR, Ph.D.

21 JANET THOMAS, VIDEOGRAPHER 22 1 Would counsel please identify yourselves2 and state who you represent?

MR. BOOZELL: Jeff Boozell from Quinn,
 Emanuel, Urquhart, Oliver & Hedges representing the

5 Roche defendants.

MS. RHYU: Michelle Rhyu from Cooley,

Godward, Kronish representing Stanford University and the counter-defendants.

9 MR. GLIKIN: Joshua Glikin from Bowie &

10 Jensen in Towson, Maryland representing Dr. Schwartz.

11 Whereupon,

DAVID H. SCHWARTZ, M.D.,

13 called as a witness, having been first duly sworn

14 to tell the truth, the whole truth, and nothing

15 but the truth, was examined and testified as

16 follows:

EXAMINATION BY MR. BOOZELL:

18 Q Good morning, Dr. Schwartz. Thank you for

19 being here. As we said, I am Jeff Boozell. I

20 represent Roche in this patent litigation where

21 Stanford has sued Roche. We appreciate you taking time

22 out of your busy schedule. I know that time is short

23 and we will get right into it.

24 Can you please state your name for the

25 record?

Page 4

Page 2

1 (Pages 1 to 4)

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			1
1	A The goal had already been articulated.	1	A which was ongoing when I joined, I
2	Q By who?	2	believe.
3	A When I joined Stanford, Dr. Merigan	3	Q Okay. Do you have any understanding as to
4	approached me about the project and said that Cetus	4	what Dr. Holodniy's level of knowledge with respect to
5	Corporation had developed polymerase chain reaction and	5	PCR was when he joined Stanford?
6	that he and Cetus now wanted to quantitate it.	6	MS. RHYU: Objection, calls for
7	Q When did you join	7	speculation.
8	A And that would be my project.	8	A Yes.
9		9	MS. RHYU: Misstates prior testimony as to
10		10	joined.
11		11	Q Your answer was yes?
12		12	A Yes.
13		13	Q Do you know whether he had ever conducted a
14	Q What was your position at Stanford in 1988?	14	PCR reaction before?
l	A My title was, I believe, physician	15	A I do.
15	specialist.	16	Q Did he?
16	Q And did you work in there Dr. Merigan's	17	A He had not.
17	lab?	18	Q He had not? Had he conducted a PCR
18	A Yes.	19	reaction before he started visiting Cetus?
19	Q And did Dr. Merigan hire you?	20	MS. RHYU: Objection, calls for
20	A That was my understanding.	21	speculation.
21	Q Would you consider Dr. Merigan your	22	A To the best of my recollection, we
22	supervisor during the time '88, '89?	23	conducted a PCR reaction in the Stanford lab quite
24	A Yes.	24	early after Dr. Holodniy joined using reagents that we
25	Q And you said that Dr. Merigan and Cetus had a goal of quantification. What was the ultimate	25	had obtained from Cetus. I do not recall whether that
25	Page 29	i	Page 31
<u> </u>		 	
	•	1 .	
1	purpose of the quantification? Did it have a higher	1	was the very first time Dr. Holodniy performed the
1 2	purpose of the quantification? Did it have a higher purpose or was it just to quantitate?	1 2	was the very first time Dr. Holodniy performed the reaction or whether he had visited Cetus on occasion
2	purpose or was it just to quantitate?	1	
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	purpose or was it just to quantitate? MS. RHYU: Objection, vague. Q Why was Stanford and Cetus trying to quantitate HIV? MS. RHYU: Vague, calls for speculation. A There are many reasons why one would want to quantitate the presence of a pathogen. Q Was one of the purposes of quantitating the pathogen to monitor therapy? MS. RHYU: Objection. Calls for speculation, vague as to time. A That was an objective at some point shortly after I arrived. Q So sometime in 1988 the objective was to quantitate HIV in order to monitor therapy? MS. RHYU: Objection. Lacks foundation, misstates testimony. A I don't recall the exact date at which that objective was clarified. Q Do you recall it being an objective in 1988 shortly after you joined? A I recall it being an objective of a trial	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	reaction or whether he had visited Cetus on occasion prior to us doing that. Q Prior to Dr. Holodniy's going to Cetus, do you know whether Dr. Holodniy had any experience with gene expression? A I don't know for a fact. Q How about DNR or RNA extraction? Did he have any experience with that before he went to Cetus? MS. RHYU: Objection, calls for speculation. A I don't know for a fact. To the best of my recollection, Dr. Holodniy's training prior to joining Stanford had been as a medical physician. I don't recollect that he had laboratory research training prior to that. Q Do you recall whether going to prior to Dr. Holodniy going to Cetus, whether he had any experience in preparing primers, PCR primers? MS. RHYU: Objection. Vague, lacks foundation. A Dr. Holodniy did not have experience generating primers prior to joining the Stanford lab.

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1	Q Do you know where that HRP labeled SK-19	1	Q Do you see in column four, section 5.1, PCR
2	probe came from that you were using in 1988 and '89?	2	assay of plasma HIV RNA?
3	A To the best of my	3	A Which page?
1		4	MR. GLIKIN: 12.
ı Ie	MS. RHYU: Objection, lacks foundation.	5	· · · · · · · · · · · · · · · · · · ·
5	A To the best of my knowledge, that was	6	A Please repeat your question.
6	obtained from Cetus.	1	Q Do you see the assay set forth in column
7	Q I think you testified earlier that the	7	four under section 5.1, the description of the assay?
8	standard that was used in Exhibit 1 also was obtained	8	A Yes.
9	from Cetus?	9	MS. RHYU: Are you referring to the section
10	MS. RHYU: Objection, vague.	10	that continues to column five and six?
11	A To the best of my knowledge, the standards	11	MR. BOOZELL: Column five, yeah.
12	were synthesized and generated at Cetus.	12	A I see that, yes.
13	MS. RHYU: Jeff, we've been going for an	13	Q Do you know whether this is the same assay
14	hour and 20 minutes. Do you want to take a little	14	that we just looked at in the JID paper, Exhibit 1?
15	break now?	15	MS. RHYU: Do you want him to compare the
16	MR. BOOZELL: I think it's an hour and 15	16	two now?
17	minutes but we'll take a five-minute break.	17	MR. BOOZELL: I want his opinion.
18	VIDEOGRAPHER: We're going off the record.	18	A I have to read it.
19	It's 10:32.	19	Q You have to read the whole thing? Okay.
20	(There was a brief recess taken.)	20	Let me ask this, then. I see that you are not an
21	VIDEOGRAPHER: We're now back on the	21	inventor on patent number 730. If I refer to it as the
22	record. It's 10:46.	22	730 patent, you'll understand what I'm saying?
23	BY MR. BOOZELL:	23	A Yes.
24	Q Dr. Schwartz, did you ever have occasion to	24	Q I see that you are not an inventor. Do you
25	review Dr. Holodniy's lab notebooks in 1989?	25	know why you are not an inventor on this patent?
	Page 41		Page 43
	A I don't recall.	1	MS. RHYU: Objection. Calls for a legal
2		2	conclusion.
I	~ · · · · · · · · · · · · · · · · · · ·		1
3	any protocols with him from Cetus?	3	
5	MS. RHYU: Objection, vague.	_	
l	A The conditions for ramping up, extending,	5	patent, though, correct?
6	cooling down have to be optimized for polymerase chain	6	MR. GLIKIN: Objection.
7	reactions. To the best of my knowledge, those	7	A No.
8	conditions were worked out collaboratively by	8	Q But you've seen it before?

- Dr. Holodniy and Cetus scientists on some occasions at 10
- Cetus.
- 11 Do you know if Dr. Holodniy brought back Q 12 any protocols related to reverse transcriptase of HIV?
- 13 I don't know.
- 14 MS. RHYU: Objection, calls for
- 15 speculation.
- 16 Q I'll show you something real quick here,
- 17 hopefully, a previously marked Exhibit 15. It's US
- patent number 5968730. Have you ever seen this patent 18
- before, Dr. Schwartz? 19
- A I have. 20
- 21 Do you understand that on RMS00012, column 0
- 22 four --
- 23 MR. GLIKIN: He's referring to the Bates
- number at the bottom right-hand corner, right there,
 - and they're numbered sequentially for litigation.
 - Page 42

Yes. \mathbf{A}

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- 10 Q Do you have any reason to believe you
- should have been an inventor on this patent? 11
- 12 MS. RHYU: Objection. Lacks foundation,
- calls for a legal conclusion. 13
 - A I don't know.
- 15 While you were at Stanford, did you have any occasion to sign any agreements with Cetus
- 17 Corporation?
- 18 A To the best of my recollection, I did sign
- at least one agreement at some point.
- 20 What was that agreement? 0
- 21 I don't recall --A
- 22 Q You don't recall?
- 23 -- the precise contents.
- Let me show you what's been marked as 24
- 25 Exhibit 29. Oops, that's right. When you are done

Page 44

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- looking it over, if you can, just let me know whether 1 2 you remember this document.
- 3 (Pause.)

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- Do you recall this document?
- 5 A I don't specifically recall it but that is 6 my signature.
 - That is your signature on page STAN003863? Q
- 8 A
- 9 Do you recall the circumstances surrounding 0 10 your execution of this agreement?
- 11 To the best of my recollection, this would have been shortly after I joined and Dr. Merigan had 12 13 asked me to spearhead this effort to quantitate HIV.
- To the best of your recollection, this 14 15 relates to the project that you referred to earlier that you and Dr. Holodniy were working on related to 16 quantification of HIV? 17
- 18 MS. RHYU: Objection. Lacks foundation, 19 misstates prior testimony.
- To the best of my recollection, this was 20 21 prior to, I believe -- the project that was outlined to me prior to Dr. Holodniy joining. As I said, I don't 22 23 recall exactly when he joined and what state the
- 24 project was at the time this was signed. There was one
- other Cetus-related project I was involved in. This

MS. RHYU: Objection, misstates prior 2 testimony, lacks foundation.

3 I don't recall whether or not he brought back a standard. I recall primers and probes at some 4 5 point.

6 To the best of your understanding, were those primers and probes to be covered by this 7 agreement, Exhibit 29? 8

MS. RHYU: Objection. Calls for a legal 9 conclusion, lacks foundation. 10

- Can you clarify the question?
- I'm just wondering if you have -- reading 12 this agreement and, in particular, paragraph two, 13
- whether you have any recollection of whether this agreement was designed to cover Dr. Holodniy's bringing
- back of probes from Cetus to Stanford? 16
- 17 MS. RHYU: Lacks foundation, calls for a legal conclusion. 18
- A I can only tell you what my understanding 19 20 was at the time in signing such a document. 21
 - And what is that?
- My understanding at the time of signing 22 Α this document was that the polymerase chain reaction 23
- project being developed was a project involving the
- proprietary technology of Cetus and that the data from

- appears to apply, however, to the polymerase chain reaction only. I don't see a reference to --2
- 3 specifically to the other project.
- 4 Q But you do recall that Dr. Holodniy visited 5 Cetus in mid to late 1989; isn't that right?
 - MS. RHYU: Objection, misstates prior testimony.
- A I recall that Dr. Holodniy visited Cetus 8
- frequently from shortly after he joined the lab 9
- until -- well, for many months. I don't recall exactly 10 dates and I assume you don't want me to start doing 11
- calculations based on the dates of this document. 12
- 13 Okay. Do you recall whether this document preceded Dr. Holodniy's first visit to Cetus? 14
- 15 Α I don't.

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- 16 Do you recall whether it related at all to 0 17 his going to Cetus or was his going to Cetus one of the impetuses for this contract? 18
- 19 MS. RHYU: Objection, calls for 20 speculation.
- 21 I don't know what the impetus for this particular document was. 22
- 23 You said earlier that you recall
- Dr. Holodniy bringing back primers and probes and a 24
- standard from Cetus; is that correct?

- that and any results of that would be considered Cetus 1 proprietary data and that was my understanding at the 2 3 time.
- Do you know whether this agreement was 4 designed to cover information that Holodniy may have 5 gathered during his trips to Cetus? 6

MS. RHYU: Objection. Calls for 7 speculation, lacks foundation, calls for a legal 8 9 conclusion.

- A I have no way of knowing what the intent of this document was on the part of different parties.
- Q Did you ever discuss this document with 12 anybody prior to signing it? 13
- A I did not, other than perhaps with 14 15 Dr. Merigan.
- Would Dr. Merigan have given you this 16 document to sign? 17
- 18 A I don't recall who handed it to me. It 19 could have been him.
- Let me show you a document previously 20 21 marked as Exhibit 28. Dr. Schwartz, do you recall Exhibit 28? 22
- It brings back memories, yes. 23 Α
- 24 0 What is Exhibit 28?
- At this time, I was involved -- at this 25

Page 48

Page 46

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- A On occasion we would look at results. I 1 did not review them as his daily or weekly supervisor. 3 He did not report to me his results.
- 4 Do you recall an entry in Dr. Mark Holodniy's notebooks that consists of an invoice from 6 Operon Technologies ordering primers?
 - I don't recall.
- 8 Q You don't recall it one way or the other?
- 9 Α Correct.

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- 10 But it's possible that Dr. Mark Holodniy had ordered primers from Operon Technologies? 11
- MR. BOOZELL: Vague and ambiguous, calls 12 for speculation, lacks foundation. 13
 - Yes, it's possible.
- 15 And with respect to the publications that Q you mentioned earlier describing amplification of HIV 16 sequences, those publications would have described the 18 sequences of the HIV primers that were used for amplification, correct? 19
- 20 MR. BOOZELL: Calls for speculation, lacks 21 foundation, vague and ambiguous. It's a leading 22 question. You want him to testify whether each and every one of the publications mentioned the actual 23 sequence of the primers? It's compound also. 24
- 25 A I don't recall the particular articles,

Page 73

- arriving through the mail.
- 2 Q And do you recall any specific instances of Mark Holodniy bringing primers or probes from Cetus 3 into the lab at Stanford? 4

correspondence. I just recall that the relationship

was cooperation and collaboration.

evidence, vague and ambiguous.

39 or any other primer?

with the company was positive in the sense that there

O But you don't recall any specific transfer?

MR. BOOZELL: Assumes facts not in

Q Do you recall anyone handing you SK-38 or

MR. BOOZELL: Vague and ambiguous.

Do you recall observing someone from Cetus

MR. BOOZELL: Vague and ambiguous, calls

Do you recall anyone at Stanford receiving

Page 75

a package from Cetus that contained primers or probes?

MR. BOOZELL: Same objections.

I don't recall specifically packages

I'm speaking of someone from Cetus

handing primers or probes to anyone else at Stanford?

A I can't recall a particular day on which

SK-38 or 39 arrived in a package that I opened.

Handing me personally?

I don't recall observing that.

I don't recall that, no.

Handing you.

for speculation, lacks foundation.

- A It is my recollection that once Mark 6 started on the project, he made frequent trips back and
- forth sometimes at Cetus, sometimes Stanford, 7
- occasionally both places in the same day. And then at
- some point he began doing PCR reactions at Stanford and
- 10 that, at least initially, those were done with reagents
- 11 obtained at Cetus. Of course, with respect to sequence
- and synthesizing, I mean, the capability to sequence 12
- and produce a small audio nucleotide was generally available. So I don't recall whether on some occasions
- only sequences were brought back and synthesized at 15
- 16 Stanford. But it's my recollection that he obtained
- 17 actual reagents on several occasions, at least
- initially when we were starting. 18
- And I just want to know everything about 19
- that recollection that you have. Do you have -- can
- you say anything specific about that recollection that 21 22 you have?
- MR. BOOZELL: Vague and ambiguous. 23
- 24 A I recollect that at the time I think we
- 25 had -- we thought we had two of the only thermocyclers Page 76

- therefore, I can't answer particularly. Typically, in a molecular biology article on such a technique, primers would either be listed or referenced. You mentioned that you recall that primers
- and probes were obtained from Cetus and used at Stanford. I'd like to know everything you recall about the transfer of primers and probes from Stanford -- I'm sorry, from Cetus to Stanford. So let's start with what do you recall about obtaining primers or probes
- from Cetus? 10 11 Α What do I personally recall?
- Yes. Let me start with the question: Who 12 sent you primers or probes? 13
- MR. BOOZELL: Assumes facts not in 14 evidence, vague and ambiguous. 15
- 16 A I don't recall who would have personally 17 sent them.
- 18 Do you recall whether there was any 19 correspondence associated with the transfer of a primer 20 or probe such as a letter or a sheet that described 21 what was being transferred?
- MR. BOOZELL: It's compound, vague and 22 23 ambiguous. Calls for speculation, lacks foundation.
- 24 A I mean, I now recall the letter where I requested those materials. I don't recall further

Page 74

(Pages 73 to 76)

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- 1 I believe the name Sninsky came up in that 2 conversation but I can't be certain. We discussed it several times. So I don't recall whether on the first time he told me whether he mentioned any particular 5 names.
 - Do you recall having this conversation in the context of regular meetings that you had with Dr. Merigan or was it just a single conversation that stands out? What do you recall about that?

10 MR. BOOZELL: Vague and ambiguous, 11 compound, leading.

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A I recall the first conversation because it seemed like quite a huge undertaking for someone who had not had, like myself, extensive molecular biology background. I remember him reassuring me at that time that Cetus had tremendous expertise. I remember subsequent conversations as I became more familiar with the problem where I indicated to him that there were certain real obstacles to developing it that way and I recall him indicating that these problems could be overcome because there was a lot of expertise at Cetus. That's the extent.

23 What problems do you recall discussing with 24 Dr. Merigan?

MR. BOOZELL: Vague and ambiguous.

Page 81

1 that you had identified?

MR. BOOZELL: Vague and ambiguous, misstates his testimony, calls for speculation, lacks foundation, leading.

I recall discussions with, I believe, Dr. Sninsky regarding the need to really be sure that we had extracted essentially all of the DNA from the sample to be sure that we didn't have inhibiters in the biological samples of the change in efficiency to be sure that the regions we were using didn't contain common mutations and variations that might affect the efficiency of amplification.

There was also a discussion, I believe, 13 14 with Dr. Sninsky about whether a technique called nested PCR could still be used in quantitation. It 15 increased the specificity of the assay but it added another level of quantitative variability. Once 17 18 Dr. Holodniy joined, I had most of my discussions about these issues with him. 19

20 When did you have these discussions with Q 21 Dr. Sninsky?

Prior to and shortly after Mark joined --22 after Dr. Holodniy joined and then I believe on one 23 occasion when we went up to discuss the Heparin issue. 24

So when you say prior to when Mark

Page 83

The problems I recall discussing with him were that the intrasample interassay variability was quite large and that in order to generate reliable data, it would be extremely difficult to do it with a single sample and a single run which as I recall had been what he envisioned might be possible. And there were multiple discussions initially about sources of variability with the probes with the idea that one could run PCR to its maximum amplification and end up with something that was sufficiently quantitative 10 11 because at least in theory I was concerned that very 12 different starting concentrations could yield the same amount of product. So we discussed those sorts of 13 14 issues.

Once Mark Holodniy came on board, really the discussion on the scientific matters were largely Dr. Holodniy and he would report back to Dr. Merigan much more frequently than I and eventually took over much of that responsibility. So once Mark joined that, he became really the focus of these discussions of concerns about reproducibility or technical aspects more than Dr. Merigan.

After you had identified these problems for Dr. Merigan, did you have any discussions with employees of Cetus to try to overcome the difficulties Page 82 joined --

When I was first given the project and read up on it and got involved in it, it just struck me that they were -- and also once we got some early results, it struck me that there were some formidable obstacles to doing this reproducibly enough to get meaningful data.

One of the problems was at that time the drugs available, which were essentially AZT, really did not give more than a log reduction in virus. So we were dealing with the question of developing an assay that was capable of reliably detecting relatively small changes in viral log. So this made the problem very difficult. The advent of much more potent therapy, to some extent, minimized some of those issues.

- Do you remember where you had discussions with John Sninsky about the problems that you had identified?
- 19 Ä Some were over the phone as I recall. Once 20 or twice there were meetings at Cetus and I don't recall whether he ever came to Stanford. 21

MR. BOOZELL: Objection as vague and 22 23 ambiguous, misstates his testimony, leading.

Did Dr. Sninsky ever show you how to do any 25 experiments?

Page 84

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MS. RHYU: Lacks foundation. Asked and
 answered.

A I'm not an expert on what the tracking requirements were at that time.

Q Do you recall entering -- Michelle pointed out to you that this says amend MTA research to cover -- I read that completely wrong. "Amend research MTA to cover research as part of clinical study." Do you see that on the document?

A Yes.

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11 Q Do you recall entering into an MTA 12 specifically related to IL-2 in November of '88?

13 A I don't recall. It could have happened, I
14 just don't recall.

Q Do you recall, at some point prior to the publication of the JID paper that we looked at earlier, that certain abstracts setting forth the work that was

18 done in collaboration with Cetus were submitted to UCLA

19 or ESF AIDS conference?

MS. RHYU: Objection, lacks foundation.

A I don't specifically recollect those abstracts.

Q I show you one here. Exhibit 41,

24 previously marked. I don't have another one. Do you

25 recall this abstract?

Page 141

scientific program committee people keep thisinformation in the abstract confidential?

A Yes.

Q Is that consistent with your recollection of the work that was ongoing at Cetus, that Cetus viewed it as confidential?

MS. RHYU: Objection. Lacks foundation, misstates prior testimony, calls for speculation.

A My understanding was that proprietary
information was confidential. I don't recollect which
aspects of this would have been considered confidential
and which weren't.

Q But it's your recollection that some of the work that Dr. Holodniy was doing at Cetus related to the project we were talking about earlier involved Cetus proprietary and confidential information?

MS. RHYU: Objection. Lack foundation, 18 calls for speculation, calls for legal conclusion.

A I mean, to the best of my recollection, I
believed that PCR work was proprietary. I was never
particularly aware of which aspects of the work were in

the public domain and which aspects had already beenpresented by Cetus at meetings and which aspects of the

technology were new. I knew that the data would be new

25 but I don't know whether I focused on the

Page 143

- A I don't recall it. I mean, I'm reading it
 but I don't recall the circumstances under which it was
 submitted.
- Q Do you recall whether Dr. Holodniy asked for Cetus approval before publishing this abstract?

 MS RHYLL: Objection Lack of foundation.

MS. RHYU: Objection. Lack of foundation,calls for speculation.

A I wouldn't know that.

Q Did you attend the Sixth International

10 Conference on AIDS in San Francisco between June 20th

11 and 24th 1990?

A I don't know. I don't recollect.

13 Q Let me show you what's been previously

14 marked as Exhibit 604. Do you recall this letter?

15 A No.

Q You don't know if you ever received it?

17 A I don't recall. I don't know whether I

18 received it.

19 Q Do you have any reason to believe that you 20 didn't receive it?

21 A I don't have any reason to believe I didn't

22 receive it. At that time, I would have assumed that

that things were being done appropriately.Q Do you see where it asks Dr. Groves, on

25 behalf of Cetus, asks that Stanford make sure the

1 confidentiality aspect of it. I assumed that Cetus was

2 protected with respect to data we generated. I didn't

3 spend a lot of time worrying that something with Cetus

4 individuals on it would be -- in other words, if Cetus

5 individuals were on it, I guess I naively or perhaps

not naively assumed that this had been looked atinternally at Cetus and was going forward with the

approval of all the authors.

Q And that last answer when you say you assumed that Cetus was protected, was that through the various agreements that we looked at?

MS. RHYU: Objection. Lacks foundation, calls for speculation, calls for legal conclusion.

A It was through agreement and through my own perception as a junior person that the company involved with a big university, for a long time it would seem to me on multiple things would have worked out their

18 issues. I mean, I just – it never would have crossed

9 my mind that there were areas of conflict or descension

20 on this. I guess it's a reflection of my state of mind

which was not really focused on these legalisticaspects of it. I guess I went into this assuming that

23 the relationships had been worked out, the agreements

24 had all been worked out and now the business at hand

25 was to get the science done.

Page 144

Page 142

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1	tron man by manifeters to the start of the	,	
	you mean by proprietary technology? What is the	1	
2	proprietary technology?	2	
3	MR. BOOZELL: Vague and ambiguous, calls	3	
1	for speculation, lacks foundation and it is a legal	4	
5	question.	5	
6	A My assumption was that this exciting PCR	6	
7	technology that had been so much in the news and was so	7	
8	promising, that was the technology I was thinking	8	I DAYED II COMMINDEE AND A LA L
9	about. I believed or I was under the impression that	9	I, DAVID H. SCHWARTZ, M.D., do hereby declare under
10	the company owned that technology and, again, perhaps	10	penalty of perjury that I have read the foregoing
11		11	transcript; that I have made any corrections as appear
12	naively, I don't know, but that things accomplished	12	noted, in ink, initialed by me, or attached hereto; that
	with that technology in our lab would be part of that.	13	my testimony as contained herein, as corrected, is true
13	Q So you're referring to the CPR technology	14	and correct.
14	invented by Kary Mullis?	15	EXECUTED this day of, 20, at (City) (State)
15	A Yes.	16	20, at
16	Q Do you have any opinion of Dr. Mark		(City) (State)
17	Holodniy?	17	
18	MR. BOOZELL: Vague, ambiguous, calls for	18	
19	speculation.	19 20	
20	A In what respect?	20	DAMD II COMMARTZ MD
21	Q You interacted with him regularly?	21	DAVID H. SCHWARTZ, M.D.
22	A Yes, I liked him. I liked him very much.	22	
23	Q Was he a competent scientist?	23	
24	MR. BOOZELL: Vague, ambiguous.	24	
25	A I thought he was a very competent	25	
	Page 153		Page 155
	Tage 100	ļ	rage 155
- 1	ecientist I have the highest mound for Dr. Heledring	4	State of Mandond
1	scientist. I have the highest regard for Dr. Holodniy,	1	State of Maryland
2	his competence and professionalism. I thought he was	2	County of Baltimore, to wit:
2 3	his competence and professionalism. I thought he was excellent.	2 3	County of Baltimore, to wit: I, R. DWAYNE HARRISON, a Notary Public of
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