
From: Michael Paul [mpaul@lineagen.com]
Sent: Tuesday, July 01, 2008 10:43 AM
To: Heidbreder, Christian
Cc: Murrelle, Edward L.
Subject: RE: Siemens-PM USA collaboration
Attachments: LineaGen Quick Facts (2Q08).pdf

Christian -

Good seeing you today and thanks for putting together the Siemens' discussions. Attached hereto is the slide set that was used today.

Please let me know what additional materials might be useful.

Regards,
Michael

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From: Heidbreder, Christian [mailto:Christian.Heidbreder@pmusa.com]
Sent: Tuesday, June 24, 2008 3:22 PM
To: Stetter, Martin (CT); Stuckenschneider, Heinrich (CT); Tresp, Volker (CT)
Cc: Gavin, James SEA; Murrelle, Edward L.; Stephenson, Jonathan A.; Michael Paul; Alex Lindell; EDAM LLC; Edwin van den Oord; Tavenner, Patricia J.; Bowers, Diane (Contractor)
Subject: RE: Siemens-PM USA collaboration

Confidential

Dear All,

Below is a tentative agenda for our VTC next **Tuesday July 1st**:

- (1) Introductions: Siemens (Heinrich, Martin, Volker) and LineaGen (Alex and Michael)
- (2) Background on LineaGen/PM USA collaboration: Alex and Michael
- (3) Overview of "omics" data quantity and quality (GWAS, gene expression, metabolomics): Edwin
- (4) Discussion of structure of 3-way collaboration, including costs and timelines: All
- (5) Next Steps: All

Let me know if there are any additional items you would like to discuss.

Kind regards,
Christian

From: Heidbreder, Christian
Sent: Monday, June 23, 2008 4:41 PM

To: 'Stetter, Martin (CT)'; 'Stuckenschneider, Heinrich (CT)'; 'Tresp, Volker (CT)'
Cc: 'Gavin, James SEA'; Murrelle, Edward L.; Stephenson, Jonathan A.; 'Michael Paul'; 'Alex Lindell'; 'EDAM LLC'; 'Edwin van den Oord'; Tavenner, Patricia J.; Bowers, Diane (Contractor)
Subject: RE: Siemens-PM USA collaboration
Importance: High

Dear All,

This is to confirm our next videoconference with Drs Paul and Lindell from Lineagen.
We secured a 2-hour slot for next **Tuesday July 1st** starting at **9:00AM Richmond time** (3:00PM Munich time) in **CRT Conf Rm 5390**.

We are looking forward to "see" you all again next Tuesday.

Best wishes,
Christian

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From: Heidbreder, Christian
Sent: Wednesday, June 11, 2008 1:54 PM
To: 'Stetter, Martin (CT)'; Stuckenschneider, Heinrich (CT); Tresp, Volker (CT)
Cc: Gavin, James SEA; Murrelle, Edward L.; Stephenson, Jonathan A.; Michael Paul; Alex Lindell; EDAM LLC; Edwin van den Oord; Tavenner, Patricia J.
Subject: RE: Siemens-PM USA collaboration
Importance: High

Confidential

Dear All,

It would appear that July 1st would be the best time for a VTC between us.

To our Siemens colleagues: Would you kindly confirm that July 1st is still OK on your side, and what time would be most appropriate for you (start at 2:00PM Munich time?)

To Alex and Michael: Would you join us here in Richmond for the VTC or would you connect directly from UT?

Kind regards,
Christian

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Von: Heidbreder, Christian [mailto:Christian.Heidbreder@pmusa.com]
Gesendet: Freitag, 30. Mai 2008 21:42
An: Stetter, Martin (CT); Stuckenschneider, Heinrich (CT); tresp@siemens.com
Cc: Murrelle, Edward L.; Stephenson, Jonathan A.; Palesis, John; EDAM LLC; Edwin van den Oord; Gavin, James SEA
Betreff: Siemens-PM USA collaboration

Confidential

Dear Drs. Stuckenschneider, Stetter and Tresp,

I would like to sincerely thank you for your time and fruitful discussions during our videoconference May 19th-20th. Toward the end of our meeting we identified 4 possible collaboration domains as follows:

- (1) Gene expression data analysis from the so-called Phase1B Respiris (Lineagen) study;
- (2) Behavioral phenotype/genotype analysis on TES (Total Exposure Study) data set with a focus on sensory genes and pathways;
- (3) Neuroimaging: on how to relate patterns of haemodynamic changes in the brain to consumer's decision making process - a computational model of product fingerprinting and consumer's choice/preference;
- (4) Text mining/Data mining with a focus on information filtering and ontology for sensory research.

We all reached the conclusion that a relatively small, very focused scientific collaboration between us with short-term deliverables and direct application of your modeling/analysis tools would be the best way forward. As such, project (1) above was elected as the logical way forward; the other projects could be pursued at a later stage.

Over the last 10 days my colleague Lenn had the opportunity to talk to Dr. Michael Paul, CEO of Lineagen, about a potential collaboration between PM USA/Siemens/VCU/Lineagen.

Dr. Paul is very keen to pursue this idea. If you agree with this plan as well may I suggest we organize another focused (1 to 1.5 hour at most) videoconference with Dr. Paul who will be visiting us in Richmond in the near future. This would allow us to discuss the specifics of the collaboration.

Could you please let me know if you would be available for a videoconference over the next 2 to 4 weeks?

We are all looking forward to work together on this project.

Kindest regards,
Christian

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