



# TECHNOLOGY EVALUATION CONSORTIUM™

Quantitative Medicine Meeting with Lundbeck  
Tuesday, September 10, 2013  
Webinar

## **Cambridge Healthtech Associates**

Dawn Van Dam (General Manager)  
Amid Zand (Project Manager)  
Ernie Bush (Scientific Director)

### **Quantitative Medicine**

John King  
Scott Bodine  
Geoff Hoare  
Joshua Kangas  
David Demosthenes  
*Jim Parrino (not on call)*  
*Bob Murphy (not on call)*  
*Jamie Grooms (not on call)*

## **Lundbeck**

Jorrit Hornberg (Head of *In vitro*  
Exploratory Toxicology)  
Ulf Norinder

# Agenda

- I) Introduction
  - II) Interactive Discussion
  - III) Closing and Action Items
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## Introduction

Joshua Kangas gave a brief overview of the Quantitative Medicine system.

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## Interactive Discussion

Discussion was based on materials submitted to Quantitative Medicine by the Lundbeck team. Discussion concerned how to relate the work of the Lundbeck team to the Quantitative Medicine system.

- Four specific prediction tasks were outlined.

Study guidelines were outlined and discussed.

The Lundbeck team suggested possibly sharing more structural data with regards to the compounds in order to increase the experimental space, but doing so in such way that the structures would not be explicitly revealed. Lundbeck believed a procedure of this nature would be seen in a more favorable light by the Lundbeck legal team.

The Quantitative Medicine and Lundbeck teams discussed the benefits and drawbacks of including or not including proprietary compounds in the study design.

Diversity selection procedures were discussed as well as the possibility of incorporating a cost function into the system in the future.

There was discussion of the potential incorporation of a method by which to measure that performance of each generation of the model produced using the Quantitative Medicine system in order to possibly identify a point at which the knowledge gained through further training would no longer outweigh the cost of further experimentation.

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## IV) Closing Remarks and Action Items

Lundbeck planned to forward the necessary data to Quantitative Medicine for analysis.

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