

AETIONOMY Final Symposium – Welcome

AGENDA
AETIONOMY – Final Symposium and IMI Neurodegeneration Initiatives

UPDATE

Day 1 – November 29th
 Morning Session: AETIONOMY Outputs and Perspectives

08:30 Registration and Welcome Coffee

09:15 Introduction
Dr. Phil Scordis, UCB Biopharma SPRL
Prof. Dr. Martin Hofmann-Apitius, Fraunhofer SCAI

09:30 The IMI Research Program in Neurodegeneration: Delivering on the Promise
Elisabetta Vaudano, Innovative Medicines Initiative

AETIONOMY Presentations

10:00 Vision: Towards a Mechanism-based Taxonomy of Neurodegenerative Diseases
Prof. Dr. Martin Hofmann-Apitius, Fraunhofer SCAI

10:30 Knowledge: The AETIONOMY Knowledge Base
Dr. Reinhard Schneider, University of Luxembourg

10:45 Mechanisms: NeuroMMSig, the Mechanism-enrichment Server
Daniel Domingo Fernández, Fraunhofer SCAI

11:00 Coffee Break

11:45 Simulation: The Virtual Dementia Cohort
Prof. Dr. Martin Hofmann-Apitius, Fraunhofer SCAI

12:00 Stratification: Mechanism-based Stratification of Patient-level Data
Dr. Holger Fröhlich, UCB Biosciences GmbH

12:15 Disease Progression Aspects: AD and PD Progression Models
Meemansa Sood, Fraunhofer SCAI

...D Cohort and First Results of the
Institut du Cerveau et de la Moelle épinière

...andidate Mechanisms by High-throughput
Institutet

...nd
*...my: Big Data – Big Solution?
 ...ford, Dementias Platform UK*

Initiatives

...Alzheimer's Disease in the Pre-clinical and
Medical Center

...Alzheimer's Dementia Consortium
burgh

innovative medicines initiative

efpia

...polipoprotein Pathology for Treatment
alà de Neurociències Aplicades

...Modulating Microglia Function –
of Bonn

...Intermediate Stratified Markers:
 Measures to Facilitate the Discovery and
 for Social and Cognitive Deficits in AD,
roningen

...of Disease and Relapse in Alzheimer's
ndon

...ation Research from an Academic
rsity of Tübingen

Fraunhofer SCAI

...nce – the Bigger Picture

...Hofmann-Apitius

...uman Brain Project: Building Bridges
and Institut de Neurosciences des Systèmes

...al Neuroscience – Easier Said than Done
Centre for Systems Biomedicine

...tional Gap: an Integrative Systems
 in Brain Health
Cohen Veterans Bioscience

...d Collaborations, and the Future of IMI

...oration between IMI Neurodegeneration
 and Suggestions for Improvements.
from industry and academia, Elisabetta Vaudano

...s of IMI
icines Initiative

...Hofmann-Apitius





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12:30 Classification: The AETIONOMY PD Cohort and First Results of the Mechanism-based Classification
Prof. Jean-Christophe Corvol, ICM: Institut du Cerveau et de la Moelle épinière

12:45 Proteomics: Validating Selected Candidate Mechanisms by High-throughput Proteomics
Prof. Per Svenningsson, Karolinska Institutet

13:00 Lunch

Afternoon Session: AETIONOMY and Beyond

14:00 Keynote I: Dementia – Big Problem; Big Data – Big Solution?
Prof. John Gallacher, University of Oxford, Dementias Platform UK

Related IMI Neurodegeneration Initiatives

15:00 EMIF-AD – Identify Predictors of Alzheimer's Disease in the Pre-clinical and Prodromal Phase
Dr. Pieter-Jelle Visser, VU University Medical Center

15:15 Coffee Break

15:45 EPAD – European Prevention of Alzheimer's Dementia Consortium
Prof. Craig Ritchie, University of Edinburgh



16:00 ADAPTED – Alzheimer's Disease Apolipoprotein Pathology for Treatment Elucidation and Development
M.D. Ph.D. Agustín Ruiz, Institut Català de Neurociències Aplicades (Fundació ACE)

16:15 PHAGO – Inflammation and AD: Modulating Microglia Function – Focussing on TREM2 and CD33
Prof. Dr. Harald Neumann, University of Bonn

16:30 PRISM – Psychiatric Ratings Using Intermediate Stratified Markers: Providing Quantitative Biological Measures to Facilitate the Discovery and Development of New Treatments for Social and Cognitive Deficits in AD, SZ, and MD
Prof. Dr. Martien Kas, University of Groningen

17:00 Coffee Break

17:30 RADAR-AD – Remote Assessment of Disease and Relapse in Alzheimer's Disease
Prof. Dag Aarsland, Kings College London

17:45 Special Invitation: Neurodegeneration Research from an Academic Perspective: JPND Strategies
Prof. Dr. med. Thomas Gasser, University of Tübingen

19:00 Dinner





AETIONOMY Final Symposium – Day 2 – Nov 30th



Day 2 – November 30th
Morning Session: Translational Neuroscience – the Bigger Picture

09:00 **Welcome Coffee**

09:30 **Wrap-up Day 1**
Dr. Phil Scordis and Prof. Dr. Martin Hofmann-Apitius

09:45 **AETIONOMY Crosstalk to the Human Brain Project: Building Bridges Between Major Initiatives**
Prof. Dr. Viktor Jirsa, Director CNRS and Institut de Neurosciences des Systèmes

10:30 **Interdisciplinarity in Translational Neuroscience – Easier Said than Done**
Prof. Dr. Rudi Balling, Luxembourg Centre for Systems Biomedicine

11:00 **Coffee Break**

11:30 **Keynote II: Bridging the Translational Gap: an Integrative Systems Modeling Approach for Precision Brain Health**
Dr. Magali Haas, CEO & President Cohen Veterans Bioscience

12:30 **Lunch Break**

Afternoon Session: Discussion on Data and Collaborations, and the Future of IMI

13:30 **Panel: Data Sharing and Collaboration between IMI Neurodegeneration Research Projects – Experiences and Suggestions for Improvements.**
Panelists: IMI-project coordinators from industry and academia, Elisabetta Vaudano

14:30 **Future Directions: After 10 Years of IMI**
Dr. Pierre Meulen, Innovative Medicines Initiative

15:30 **Summary and Conclusion**
Dr. Phil Scordis and Prof. Dr. Martin Hofmann-Apitius

16:00 **Closure**

