Disease Progression Modeling Workshop 2019
April 4 and 5 at Centro Hotel Bristol Bonn

Agenda

APRIL 4TH, 2019 – DAY 1 – SEMINARROOM: BONN I & II

09:00	Welcome coffee & registration
10:00 – 13:00	***Biomarker - driven progression models in neurodegenerative diseases (AD, PD)***
10:00	Martin Hofmann-Apitius: *Welcome and setting the stage*
10:30	Holger Fröhlich: *Modeling of Neurodegenerative Disease Risk and Progression*
11:00	Colin Birkenbihl: *Validation of risk models for AD using independent progression cohort studies*
11:30	Coffee Break
12:00	Bertram Müller-Myhsock: *Longitudinal modeling and analysis of psychiatry cohort data*
12:30	Stanley Durrleman: *Longitudinal progression modeling of AD integrating multiscale biomarker data and events*
13:00	Alejo Nevado-Holgado: *Longitudinal modeling of real-world data: the CRIS data modeling story*
13:30	Lunch Break – Restaurant Majestic II
14:30 - 16:00	**Digital biomarkers - digital signatures (using wearables and sensors to generate signatures on functional domains)**
14:30	Emilio Merlo-Pich: *Setting the scene: the RADAR-AD case; motivation and strategy*
15:00	Meemansa Sood: *Strategies for the alignment of biomarker progression models with digital signatures*
15:30	Coffee Break
16:00 – 17:00	**Visualistics: representation of longitudinal multiscale and multimodal information**

16:00	Jörn Kohlhammer: *Visual analysis of longitudinal clinical data*
16:30	Alex Masny: *Semantic integration of multimodal, multiscale (progression) information in VirtualBrainCloud*
17:00	concluding discussion / summary day 1 / preparation for break-out sessions on day 2
18:00	Dinner

APRIL 5TH, 2019 – DAY 2 – SEMINARROOM BONN I & II

08:30	Welcome Coffee
09:00	Martin Hofmann-Apitius: *Summary of day 1 and setting the scene for Virtual Cohorts*
09:30	Holger Fröhlich: *Introducing Longitudinal Virtual Cohorts - a new way of progression modeling, information sharing and simulation*
10:00	Coffee Break
10:30- 12:00	Break-out Session: Group A – Salon Bonn I & II: Biomarker progression models and digital biomarkers: any change to link them? how would we use them for e.g. trial simulation? Group B – Salon Berlin: Perspectives for future pre-competitive collaboration: what are our next steps? where are we going from here?
12:00	Lunch Discussion
13:00	Wrap up, conclusion and closure of meeting
14:00	Departure