

09 November 2020 | Pre-Conference Virtual Seminar

10 November 2020 | Virtual Conference

All times indicated on the Agenda are CET

09 November 2020 | Machine Learning in clinical drug development

14:00 - 16:00 **Seminar** | First part

16:00 - 16:10 **Break**

16:10 - 18:00 **Seminar** | Second part

10 November 2020

**Data Science and the Rise of New Analytical Techniques.
The Evolution of the Clinical Development Paradigm and Biostatistics**

10:00 - 10:20 **Welcome**

10:20 - 10:50 **Artificial intelligence, machine learning and Statistics: don't get lost in translation**

Graeme Archer - *VP & Head, Non-Clinical & Translational Statistics* at GlaxoSmithKline Pharmaceuticals R&D

10:50 - 11:20 **The challenges and opportunities in using (and regulating) broader data and applied analytics in guidance development and technology assessment in the UK**

Thomas Lawrence - *Data scientist, Managed Access* at NICE

11:20 - 11:30 **Break**

11:30 - 12:00 **Challenges and Opportunities of Machine Learning Methods in Biostatistics**

Marietta Kirchner - *Biostatistician* at Institute of Medical Biometry and Biostatistics, University of Heidelberg

12:00 - 12:30 **Drug candidate selection and pipeline development- a data science approach**

Dimitrios Skaltsas - *Co-founder & Executive Director* at Intelligencia

12:30 - 12:40 **Morning Wrap up**

12:40 - 14:00 **Lunch break**

14:00 - 14:30 **Integrating clinical and genetics data for predicting anti-epileptic drug response**

Johann de Jong - *Principal Scientist / A.I. Data Scientist* at UCB

14:30 - 15:00 **Recent examples of how data science is being used in clinical development.**

Reflections on lessons learnt

David Wright - *Head of Statistical Innovation* at AstraZeneca

15:00 - 15:10 **Break**

15:10 - 15:50 **ROUND TABLE - Data Science in Drug Development: are we in presence of revolution?**

15:50 - 16:00 **Conclusion**