BPS Training Workshop - AI and Computation Drug Discovery – Speaker Biographies

Dr Martin Redhead (Joint workshop lead)

Dr Martin Redhead is Head of Quantitative Pharmacology and Exscientia, and highly engaged BPS member. Martin has also worked at UCB and Sygnature Discovery in their pre-clinical pharmacology /DMPK departments. Martin's research interests are in the use of Artificial Intelligence and computer software to model and solve difficult kinetics problems in receptor pharmacology.

Francesca Vianello (Joint workshop lead)

Dr Francesca Vianello is a Structural Bioinformatics Research Scientists at Exscientia. Francesca's research interests are in Computational characterisation of protein interaction sites. She has applied graph-theoretical methods to the discovery and structural investigations of protein-protein interactions. She has experience at Imperial College London and the Massachusetts Institute of Technology.

Angelo Pugliese

Dr Angelo Pugliese is Associate Director of In Silico Discovery and Data Analysis at BioAscent Discovery, a leading provider of integrated drug discovery services. Prior to joining BioAscent, Angelo led the computational chemistry and artificial intelligence team at the drug discovery unit at the CRUK Beatson Institute in Glasgow. He is a highly experienced computational chemist, project leader and strategic contributor to discovery teams, and has over 15 years' experience working across different organisations in US and UK. He has a PhD in computational chemistry from the University of Nottingham.

Alan Bilsland

Dr Alan Bisland is a Discovery Data Scientist at Exscentia and an Honorary Lecturer at the University of Glasgow. He has over 10 years experience of working with machine learning and computer modelling in the field of cancer therapeutics drug discovery. Alans main interest is to make a better critical path in translational oncology than that which currently exists.

BRITISH PHARMACOLOGICAL SOCIETY

Aleksandra Kalisz

Aleksandra Kalisz (Ola) is a Senior AI Research Engineer at Exscientia she has a background in Artificial Intelligence and Computer Science having studied at the University of Edinburgh and Caltech. Ola is particularly interested in exploring research opportunities across the full breadth of machine learning both industry as well as academia.

Emile Chen

Dr Emile Chen is a Director of System Modelling and Translational Biology at GlaxoSmithKline. He has worked in the Pharmaceutical Industry for over twenty years working in drug metabolism and pharmacokinetics on a wide variety of targets and therapeutics areas in both the clinical and pre-clinically.

Emile has worked with GlaxoSmithKline, Glaxo Wellcome and Roche.

Valeriu Damian

Valeriu Damian is Director of Pharmacokinetics and Translational Biology at GlaxoSmithKline. He has over twenty years of experience working in the Drug Discovery Industry.

Valeriu has a background in Engineering and Mathematics but soon became interested in machine learning and computational modelling of biological systems and has used this interest for a career in the Pharmaceutical Industry.

Frauke Breitgoff

Dr Frauke Breitgoff is a Biophysical Data Scientists in Drug Discovery at Exscientia. She has a PhD physical chemistry, with experience in assay development, data processing and software development.