

Symposium on

Big Data In Systems And Network Medicine

BMB Emerald Room

November 19th & 20th



Big Data in Systems and Network Medicine

Schedule

November 19th

9:30	Marianne Holmer Dean of the Faculty, University of Southern Denmark	Opening
9:45	Richard Röttger Assoc. Prof. Computational Biology, University of Southern Denmark	Network Medicine @ SDU
10:00	Simon Larsen <i>PhD Defense</i>	"Finding patterns in complex biomedical data using networks and molecular profiling"
12:00	Lunch Break	
13:00	Domink Heider Professor Department of Mathematics and Computer Science at the University of Marburg	Keynote: AI in Medicine
13:30	Kedar Natarajan Assistant Professor, Danish Institute of Advanced Study (D-IAS), University of Southern Denmark	TBA
14:00	Tobias Frisch Julian Matschinske PhD students, Technical University of Munich	Safe PLINK - safe and privacy aware distributed GWAS studies
14:30	Anne Hartebrodt PhD student, University of Southern Denmark	How much noise can we tolerate? - Private analysis of gene expression data
15:00	Coffee Break	
15:30	Nicolas Alcaraz Postdoc, Computational and RNA Biology, Copenhagen University	Deep Learning for Genomics and Transcriptional Regulation
16:00	Maria Elkjær PhD Student, University of Southern Denmark	An integrated reverse biological approach to address the heterogeneity of multiple sclerosis
16:30	Gunnar Klau Professor for Algorithmic Bioinformatics, Heinrich-Heine University Düsseldorf	Keynote: Small Data and No Systems: The Four Schools of Amathus
17:00	End of Day and Transfer to Dinner	

Big Data in Systems and Network Medicine

Schedule

November 20th

9:00	Paolo Marcatili Associate Professor Department of Health Technology Technical University of Denmark	Keynote: Combining sequence and structural data to predict immunogenicity
9:30	Qihua Tan Professor, Epidemiologi, Biostatistik og Biodemografi, University of Southern Denmark	Network based analysis of microarray gene expression profiles in response to electroacupuncture
10:00	Veit Schwämmle Assoc. Prof. for computational Proteomics, University of Southern Denmark	Co-regulation of protein complex subunits
10:30	Alexander Grønning PhD student, University of Southern Denmark	Scellnetor - A Single Cell Network Profiler for Extraction of Systems Biology Patterns from scRNAseq Trajectories
11:00	Coffee Break	
11:30	Jan Baumbach Professor for Experimental Bioinformatics, Technical University of Munich	Network-constraint bi-clustering for de novo mechanotyping
12:00	Tim Kacprowski Group Leader for Computational Systems Medicine, Technical University of Munich	REPO-TRIAL: in silico drug repurposing using big data
12:30	Anette Müllertz Professor for Physiological Pharmaceuticals, University of Copenhagen	Keynote: TBA
13:00	End of Symposium	
