

# Program Day 1

## 23<sup>th</sup> October 2017

<b>Time</b>	<b>Conference Topic</b>	<b>Session Organizers / Title of the Talk</b>
12:00	<i>Registration &amp; Snacks</i>	
13:00	<b>Opening session</b>	A. Pühler / A. Tauch
	<b>Presentations by de.NBI and ELIXIR</b>	
	Yvonne Pfeiffenschneider (PtJ Jülich)	Welcome address from BMBF / PtJ
	Andreas Tauch (de.NBI, Bielefeld, DE)	Introduction to ELIXIR Germany
	Niklas Blomberg (ELIXIR, Hinxton, UK)	Opening lecture
14:00	<b>Session 1</b>	M. Eisenacher / S. Neumann
	<b>Mining the Proteome and the Metabolome</b>	
	Christoph Steinbeck (Jena, DE)	PhenoMeNal - Towards an infrastructure for the analysis of big, medical metabolomics data in the cloud
	Juan A. Vizcaino (Hinxton, UK)	A proteomics data “gold mine” at your disposal: Now that the data is there, what can be do with it?
	Yves Vandembrouck (Grenoble, FR)	From mass spectrometry data to biological knowledge: the case of the human sperm proteome
15:30	<i>Coffee Break</i>	
16:00	<b>Session 2</b>	C. Lawrenz / A. Sczyrba
	<b>Cloud computing for Life Sciences</b>	
	Peter Belmann (Bielefeld, DE)	de.NBI Cloud
	Ola Spjuth (Uppsala, SE)	Data-intensive applications on cloud computing resources: Applications in life sciences
17:00	<b>Photo session followed by Mixer /Poster Presentations</b>	
20:00	End of the Day 1	

# Program Day 2

## 24<sup>th</sup> October 2017

Time	Conference Topic	Session Organizers / Title of the Talk
9:00	<b>Session 3</b> <b>Microbial Bioinformatics</b>	A. Goesmann / J. Stoye
	Trinad Chakraborty (Gießen, DE)	Whole genome sequencing in clinical and public health microbiology
	Markus Göker (Braunschweig, DE)	Genome-scale data resolve phylogeny and classification of various bacterial phyla
	Alex Mitchell (Hinxton, UK)	EBI Metagenomics - combining tools and databases to build a standardised analysis platform
10:30	<i>Coffee Break</i>	
11:00	<b>Session 4</b> <b>Plant Bioinformatics</b>	U. Scholz / B. Usadel / H. Gundlach
	Paul Kersey (Hinxton, UK)	Ensembl, ELIXIR, and Europe: Data infrastructure for plant science
	Matthew Clark (Norwich, UK)	Genomic innovation for crop improvement
	Pascal Falter-Braun (Neuherberg, DE)	Plant interactome network mapping to understand intracellular signaling and microbe-host interactions
12:30	<i>Lunch</i>	
13:30	<b>Session 5</b> <b>Human Bioinformatics</b>	R. Eils / P. Bork / C. Lawrenz
	Susheel Varma (Hinxton, UK)	Toward data sharing for personalized medicine
	Stein Aerts (Leuven, BE)	Single-cell gene regulatory networks
	Jörn Walter (Saarbrücken, DE)	Integrated epigenome analysis
15:00	<i>Coffee Break</i>	
15:30	<b>Session 6</b> <b>Short Contributions of selected Young Scientists</b>	A. Pühler / A. Tauch
	Daniel Arend	The PGP infrastructure – A GCBN – de.NBI service of the IPK Gatersleben
	Ivaylo Kostadinov	GFBio: Added-value services for research data archival and publication
	Julian Uszkoreit	Boosting LC-MS/MS Protein Inference Analyses and Quantifications with PIA
	Konrad Zych	SIAMCAT - Statistical Inference of Associations between Microbial Communities And host phenoTypes
	Andrea Bagnacani	Towards automating and publishing workflow analyses in Galaxy
	Felipe Albrecht	Analysing large-scale epigenomic data with DeepBlue
17:00	<i>Coffee Break</i>	
17:30	<b>Distinguished Conference Lecture</b> Barend Mons (Leiden, NL)	The Internet of FAIR data and services
19:00	<i>Conference Dinner</i>	
22:00	End of the Day 2	

# Program Day 3

## 25<sup>th</sup> October 2017

<b>Time</b>	<b>Conference Topic</b>	<b>Session Organizers / Title of the Talk</b>
<b>9:00</b>	<b>Session 7</b> <b>Data Resources and Data Management</b>	D. Schomburg / W. Müller
	Guy Cochrane (Hinxton, UK)	European Nucleotide Archive: Database of record and platform for the coordination of live data
	Amos Bairoch (Zurich, CH)	From protein to cell lines, a personal view of 30 years of biocuration
	Sameer Velankar (Hinxton, UK)	Exploiting macromolecular structure data - challenges and opportunities
<b>10:30</b>	<i>Coffee Break</i>	
<b>11:00</b>	<b>Session 8</b> <b>RNA Bioinformatics and Galaxy</b>	R. Backofen / B. Grüning
	Rolf Backofen, (Freiburg, DE)	Determination of RNA-protein interactions
	Ivo Hofacker (Vienna, AT)	Towards fast and reliable co-transcriptional RNA folding kinetics
	Jan Gorodkin (Frederiksberg, DK)	Genome-wide search for conserved RNA structure and interactions
<b>12:30</b>	Closing Remarks	
<b>13:00</b>	<i>Lunch</i>	
<b>14:00</b>	<b>de.NBI Plenary Meeting</b> <b>(de.NBI members only)</b>	A. Pühler / A. Tauch
<b>15:30</b>	End of Conference	