

ELIXIR INNOVATION AND SME FORUM

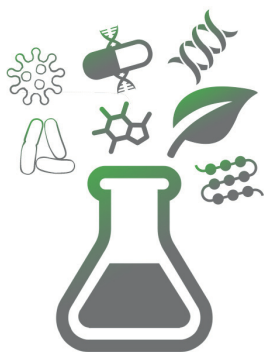
# Data Driven Innovation in Industrial Biotechnology

15-16 October 2018 | Frankfurt, Germany

DECHEMA, Theodor-Heuss-Allee 25 D

## DAY 1: MONDAY 15 OCTOBER 2018

12:00	Registration and lunch
13:00	Opening Session
	<ul style="list-style-type: none"> <li>• Introduction to de.NBI and ELIXIR Germany, <i>Alf Pühler, Head of de.NBI / ELIXIR Germany</i></li> <li>• Introduction to ELIXIR Europe, <i>Andrew Smith, ELIXIR Head of External Relations</i></li> <li>• Introduction to DECHEMA, <i>Klaus Mauch, Board Member of DECHEMA, CEO of Insilico Biotechnology AG</i></li> </ul>
14:00	Session I: Big Data Challenges and Opportunities - panel discussion
	<ul style="list-style-type: none"> <li>• Computational life-science in agtech: opportunities and challenges, <i>Catherine Sirven, Bayer Crop Science, France</i></li> <li>• Proteomics, <i>Martin Eisenacher, Medical Bioinformatics, Ruhr University Bochum</i></li> <li>• Big data challenges and opportunities in high-throughput plant phenotyping, <i>Uwe Scholz, Institute for Plant Genetics and Crop Plant Research Gatersleben</i></li> <li>• Mining metagenomics for novel protein functions, <i>Rob Finn, EMBL-EBI Hinxton, UK</i></li> <li>• How to explore the chemical space, <i>Franca Klingler, BioSolveIT GmbH</i></li> </ul>
15:30	Coffee break
16:15	Session II: Data driven Biotechnology in Germany and Europe
	<ul style="list-style-type: none"> <li>• <b>Presentation of major Companies</b>            Industrial biotechnology and bioinformatics at Evonik, <i>Kay Marin, Evonik Nutrition &amp; Care GmbH</i>            Data integration needs in exploratory pharma research, <i>Karsten Quast, Boehringer Ingelheim</i>            QIAGEN accelerating data driven innovation, <i>Magdalena Strzelecka, QIAGEN</i>            How HPE's Memory Driven Computing will help to speed up Genome Analytics at the German Center of Neurodegenerative Diseases, <i>Andreas Hausmann, Hewlett-Packard GmbH</i>            The digitization of health care, <i>Marcus Droege, Roche Diagnostics</i></li> <li>• <b>Presentation of SMEs</b>            The Power of Public Databases in Rapidly Identifying (Epi-) Genetic Causal Mutations, <i>Sebastian Schultheiss, Computomics GmbH</i>            Molecular microbial identification - bridging scientific progress and practical application within professional environments, <i>Frank Oliver Gloeckner, Ribocon GmbH</i>            Predictive Biomanufacturing, <i>Klaus Mauch, Insilico Biotechnology AG</i></li> </ul>
18:10	Session III: Flash Talks by SMEs
19:00	Dinner: Finger food networking buffet



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## DAY 2: TUESDAY 16 OCTOBER 2018

8:30	Welcome coffee and tea
9:00	<b>Keynote I: Perspectives on using public resources across domains and disciplines</b> <i>Elizabeth Reynolds, Director at General Bioinformatics &amp; Chair of ELIXIR Industry Advisory Committee</i>
9:30	<b>Session IV: Tools and Services offered by de.NBI</b>
	<ul style="list-style-type: none"><li>• Integrative Bioinformatics with Galaxy - building frameworks to serve the 21th century data science problems, <i>Björn Grüning, de.NBI / ELIXIR Germany</i></li><li>• The BiGi center for Microbial Bioinformatics and selected examples of successful de.NBI collaboration to support Industrial Biotechnology, <i>Alexander Goesmann, BiGi Giessen, de.NBI / ELIXIR Germany</i></li><li>• de.NBI CCloud, <i>Chris Lawerenz/Alexander Sczyrba</i></li><li>• Applications for Systems Biology, <i>Ursula Kummer, de.NBI-SysBio</i></li></ul>
10:30	Coffee break
11:15	<b>Session V: Industry collaborations and services relevant to industry offered by ELIXIR</b>
	<ul style="list-style-type: none"><li>• Linking big-data infrastructures for industry, <i>Sirarat Samtivijai, ELIXIR Interoperability Platform Coordinator</i></li><li>• ELIXIR Training as a Service - Empowering Scientists to Provide High Quality Training, <i>Celia van Gelder, DTL, ELIXIR Training Platform Co-Lead</i></li></ul>
12:15	<b>Keynote II: FAIR Data are Valuable Data: an industry perspective on re-use of biomedical data in research</b> <i>David Henderson, Principal Scientist, Bayer AG</i>
12:45	<b>Closing session: Wrap up and next steps</b>
	<ul style="list-style-type: none"><li>• The future of the ELIXIR, <i>Andy Smith, ELIXIR Head of External Relations</i></li><li>• The impact of publicly available life science data resources on the entrepreneurial ecosystem in Europe, <i>Hannes Rothe, Freie Universitaet Berlin</i></li><li>• Foundation of a de.NBI industrial forum, <i>Alf Pühler, Head of de.NBI / ELIXIR Germany</i></li></ul>
13:30	Closing buffet lunch

The programme is organised in cooperation with:



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