

Programm des ELRIG Forums 2015

12. März, Wissenschafts- und Konferenzzentrum „darmstadtium“, Darmstadt
**"High Content Analyse: Automatisierte Bildanalyse, Anwendung,
Herausforderung und Innovation"**



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08:00	09:00	<i>Registration</i>		
09:00	09:05	Begrüßung / Opening Remarks	Dr. Anthony Zerlin,	ELRIG.de e.V.
09:05	09:40	Past, presence and future of High Content Screening. Big biology, big data and smart machines	Dr. Urban Liebel	Acquifer GmbH, Karlsruhe
09:40	09:50	Innovative Oberflächen für die Mikroskopie, das High Content Screening und die automatisierte Bildverarbeitung	Dr. Rainer Heller	Greiner Bio-One GmbH, Frickenhausen
09:50	10:00	Kinetics v Endpoint – Seeing through time brings new insights into chemotaxis and other label free assays.	Dr. Peter Djali	Essen Bioscience, Welwyn Garden City, UK
10:00	10:30	Light Sheet-based Fluorescence Microscopy (LSFM) provides new means for working with three-dimensional cell and tissue cultures	Prof. Dr. Ernst H.K. Stelzer	Institut für Zellbiologie und Neurowissenschaft, Uni Frankfurt am Main
10:30	10:50	<i>Kaffeepause / Coffee Break / Networking / Exhibition</i>		
10:50	11:00	Disease modeling and phenotypic screening with human iPSC tissue cells: Combining human biology and HCI to re-invigorate drug discovery	Dr. Sabine Lange	Cellular Dynamics International, Inc. Madison, USA
11:00	11:30	Chromobodies and the Fluorescent 2-Hybrid assay: real time visualization of proteins and protein-protein interactions for high content analysis	Prof. Dr. Ulrich Rothbauer	Universität Tübingen, Pharmazeutische Biotechnologie
11:30	12:00	High Content Screening using iPS-derived neuronal progenitors to find compounds counteracting epigenetic gene silencing in Fragile X syndrome	Dr. Amanda Cobos-Correa	Novartis Pharma AG, Basel
12:00	12:30	High content analysis for neuronal, synaptic and dendritic spine characterizations applied from target validation to drug screening	Dr. Karsten Kottig	Evotec AG, Hamburg
12:30	14:00	<i>Mittagspause / Lunch Break / Networking / Exhibition</i>		
14:00	14:30	High-Content Screening (HCS) using two- and three-dimensional cell culture systems for the discovery and validation of novel small molecule lead candidates	Dr. Stefanie Bunse	Bayer Pharma AG , Berlin
14:30	14:40	Are images your main concern? How to keep images at the center of your research	Dr. André Stephan	Genedata, Basel
14:40	14:50	Multiplexed high content hepatotoxicity assays using iPSC-derived hepatocytes	Dr. Christian Holz	Molecular Devices
14:50	15:20	Use of High Content Imaging for preclinical safety assessment at Roche	Dr. Stefan Kustermann	Hoffmann-La Roche AG, Basel
15:20	15:50	Multiplexed Screening - Developing novel image-based cell assays for HCS platforms	Dr. Philip Denner	DZNE, Bonn
15:50	16:15	<i>Kaffeepause / Coffee Break / Networking / Exhibition</i>		
16:15	16:45	How does modular software speed up development of High-Content-Analysis workflows	Prof. Dr. Thomas Berlage	Fraunhofer-Institut für Angew. Informationstechnik FIT, St. Augustin
16:45	17:15	Open source software for advanced HCS: CellProfiler and KNIME	Dr. Marc Bickle	Max-Planck-Institut für molekulare Zellbiologie und Genetik, Dresden
17:15	17:30	Abschlussbemerkungen / Wrap Up	Dr. Anthony Zerlin	ELRIG.de e.V.

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