






# 10<sup>th</sup> MOLECULAR INTERACTIONS



**2015**



WORKSHOP | May 6 - 8  
10 year Molecular Interactions

| BERLIN

# PROGRAMME

WEDNESDAY, 06.05.2015	
10:30 - 12:00	Professional Information Event
12:00 - 12:30	REGISTRATION
12:30 - 13:00	WELCOME ADDRESS
<b>Session 1</b>	TECHNOLOGIES TO CURE CHAIR SARAH SCHUMACHER
13:30 - 14:00	<b>Andreas Thomas</b> <i>New developments in doping control analysis</i>
14:00 - 14:30	<b>Caroline May</b> <i>Autoantibodies in the Sera of Patients with Amyotrophic Lateral Sclerosis</i>
14:30 - 15:00	<b>Stephen Norley</b> <i>Strategy for the systematic measurement and analysis of T-cell responses to vaccination in clinical trials</i>
	COFFEE BREAK
<b>Session 2</b>	DETECTION OF DYNAMICS CHAIR SABRINA HERRMANN
15:30 - 16:00	<b>Stefan Rödiger</b> <i>VideoScan - molecular actions done easy - from high-throughput to in-depth analysis</i>
16:00 - 16:30	<b>Klaus Hochleitner</b> <i>Lateral Flow Immunoassays: Basics and new Developments</i>
16:30 - 17:00	<b>Jörg Hoheisel</b> <i>Functional Genomics and Proteomics in Cancer Research, Non-Invasive Molecular Diagnosis, Precision Target Definition, and More</i>
	COFFEE BREAK
<b>Session 3</b>	APPLICATIONS FOR SMALL MOLECULES CHAIR SARAH SCHUMACHER
17:30 - 18:00	<b>Ines Neundorf</b> <i>Cell-penetrating peptides as useful delivery probes (not only) to study molecular interactions</i>
18:00 - 18:30	<b>Max Methling</b> <i>Development and validation of an UPLC-MS/MS method for the qualification and quantification of psychotropic compounds in different human matrices</i>
18:30 - 19:15	<b>Stefan A. Hoffmann</b> <b>Jennifer Müller</b> <i>selected short presentations</i>
ab 19:15	POSTER SESSION & WITH  AND 


THURSDAY, 07.05.2015	
<b>Session 4</b>	BACTERIA AND BIOTECHNOLOGY CHAIR ROBERT WELLHAUSEN
9:00 - 9:30	<b>Bettina Siebers</b> <i>"SulfoSYSBIOTEC" Applied Sulfolobus Systems Biology: Exploiting the hot archaeal metabolic potential for Biotechnology</i>
9:30 - 10:00	<b>Jörg Kunte</b> <i>The cell protectant ectoine: Protection mechanism, biosynthesis, and industrial production</i>
10:00 - 10:30	<b>John Darby</b> <i>Fragment-based discovery of small-molecule enzyme activators</i>
	<b>COFFEE BREAK</b>
<b>Session 5</b>	NEW IDEAS FOR ANALYTICAL TOOLS CHAIR SANDRA MÜKUSCH
11:00 - 11:30	<b>Sascha Rohn</b> <i>One-dimensional and two-dimensional high performance thin-layer chromatography as alternative analytical tool for investigating proteins and peptides - Neo-proteomics?</i>
11:30 - 12:00	<b>Tanja Schwerdtle</b> <i>Metallomics – towards an understanding of the mode of action of essential and toxic metal species</i>
12:00 - 12:30	<b>Katrin Messerschmidt</b> <i>Novel cloning technologies for synthetic biology</i>
	<b>LUNCH BREAK</b>

THURSDAY, 07.05.2015	
<b>Session 6</b>	STRUCTURE – KINETIC - MULTIPLEXING CHAIR SANDRA MÜKUSCH
13:30 - 14:00	<b>Laura Heitman</b> <i>CCR2 antagonist: From structure-kinetic-relationships to in vivo efficacy</i>
14:00 - 14:30	<b>Friedrich Herberg</b> <i>Biomolecular Interaction Analysis: functional analyses of protein interaction networks in vitro and in vivo</i>
14:30 - 15:00	<b>Thomas Joos</b> <i>Multiplexed Immunoassays for Biomarker Research: Achieving Sensitivity and Addressing Complexity</i>
	<b>COFFEE BREAK</b>
<b>Session 7</b>	POINT-OF-CARE SYSTEMS CHAIR HARALD SEITZ
15:30 - 16:00	<b>Jan Korvink</b> <i>Nanolitre 1H NMR and MRI detectors for chemistry and the life sciences</i>
16:00 - 16:30	<b>Kevin Land</b> <i>Low cost paper based diagnostics for limited resource countries</i>
	<b>COFFEE BREAK</b>
<b>Session 8</b>	SYSTEMS BIOLOGY CHAIR SUSANNE HOLLMANN
17:00 - 17:30	<b>Kristina Gruden</b> <i>Modeling of Potato Signaling Response to PVY Infection</i>
17:30 – 18:00	<b>Robert Smith</b> <i>Molecular Interactions of Synthetic Circuits</i>
18:00 – 18:30	<b>Edoardo Saccenti</b> <i>Probabilistic metabolite association networks as indicator of latent cardiovascular risk in healthy subjects</i>

ab 19:00



<b>SPEAKERS DINNER</b>
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FRIDAY, 08.05.2015	
<b>Session 9</b>	MODELLING AND VISUALIZATION <span style="float: right;">CHAIR BABETTE REGIERER</span>
9:30 - 10:00	<b>Mary-Ann Blaetke</b> <i>"Petri Net"-based Approaches in Biomodel Engineering</i>
10:00 - 10:30	<b>Carsten Busch</b> <i>Out of the Box: Digital Interactions</i>
10:30 - 11:00	<b>HORIBA Scientific</b> <i>High-throughput and label-free interaction analysis platform for affinity and kinetics screening of biomolecules</i>
	<b>COFFEE BREAK</b>
<b>Session 10</b>	BIOMARKER DISCOVERY <span style="float: right;">CHAIR SUSANNE HOLLMANN</span>
11:30 - 12:00	<b>Sebastian Hoppe</b> <i>Determining novel bacterial antigens for diagnostic and therapeutic applications</i>
12:00 - 12:30	<b>Henry Memczak</b> <i>New approach for influenza detection on novel surface modifications</i>
12:30 - 13:15	<b>Manuel Fuentes</b> <i>Functional Proteomics for Biomarker and Drug Discovery</i>
13:15	<b>CLOSING REMARKS</b>