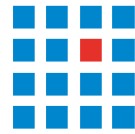


# 6th Global Reverse Phase Protein Array Workshop



# RPPA



# 2016

Sept 25-27, 2016 - NMI at the University of Tübingen, Germany

**Arrays to Results: Technologies - Applications - Biomarkers**

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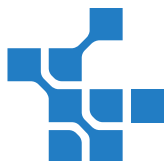


**NMI Natural and Medical  
Sciences Institute  
at the University of Tübingen**

Markwiesenstrasse 55,  
72770 Reutlingen,  
Germany

GPS-Coordinate:  
48°29'38.24" N  
9°08'02.73" O

**NMI**  
achieving results



Technische Universität München

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## AGENDA

Get updated about latest developments and applications for signaling protein, cancer and drug profiling at RPPA2016:

- Hear about the latest developments in RPPA and protein biomarker research
- Find out how RPPA is complementing Next Generation Sequencing to advance personalized healthcare strategies
- Learn about perturbation biology and network pharmacology to beat resistance to targeted cancer therapy
- Hear about how RPPA is being used in drug development applications
- Network with basic research scientists, drug discovery groups and clinician scientists applying RPPA
- Meet instrument vendors, industry providers and academic facilities offering Array printing, RPPA services, Protein biomarker discovery and validation tools
- Find out how RPPA can enhance your basic and translational research goals

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## Sunday September 25<sup>th</sup> 2016

Day 1 Afternoon Session

**15:00** Registration

**16:00** Welcome

### Basic technical aspects of RPPA

**Chairs: Bryan Serrels and Satoshi Nishizuka**

**16:10**                      **Opening keynote:**  
General overview RPPA  
**Lance A. Liotta**  
(George Mason University, Manassas, Virginia, USA)  
RPPA vs Proteomics Technologies

**16:40**                      **Bryan Serrels**  
(University of Edinburgh, Edinburgh, UK),  
Overview RPPA Platforms and Processes

**17:10**                      **Iain Mc William**  
(ArrayJet, Roslin, UK)  
Overview Printing Technologies

**17:40**                      **Leanne de Koning**  
  
Slides, Buffers, Sample Handling, Imaging  
short presentation  
**Round table discussion**  
(moderation Leanne de Koning, session members)

**18:10 -**                      Networking opportunity: get together with food and wine

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## Monday September 26<sup>th</sup> 2016

Day 2

**Chair: Michael Pawlak**

**8:30**

**Keynote: Chris Sander** (tentative)  
(cBio Center at Dana-Farber Cancer Institute and Department of Cell Biology, Harvard Medical School, Boston, MA, USA)  
Proteomics technology, perturbation biology and network pharmacology to beat resistance to targeted cancer therapy

### Quantitation, normalization and quality control

(including "latest development aspects")

**Chairs: Leanne de Koning**

**9:00**

**Rehan Akbani**  
(MD Anderson Cancer Center, Houston, Texas, USA)  
Quality control and merging RPPA datasets

**9:30**

**Leanne de Koning**  
(Institut Curie, Centre de Recherche, Paris, France)  
European RPPA platforms: when we dare to compare  
(an inter platform comparison)

**10:00**

Selected presentations based on submitted abstracts

**10:30**

*Coffee break*

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### Research and new applications

**Chairs:** Markus Templin and Steven Kornblau

- 11:00**                      **N.N.** (sponsored talk)  
(Grace Bio-Labs, Bend, OR, USA)  
Title to be announced
- 11:20**                      **Steven Kornblau**  
(MD Anderson Cancer Center; Houston, Texas, USA)  
Use of RPPA in hematological malignancies to define  
expression signatures and to direct targeted therapy
- 11:50**                      Selected presentations based on submitted abstracts
- 12:20**                      *Lunch and Poster Session*

### Drug Discovery & Development (including 3D tissue models)

**Chairs:** Neil Carragher and Michael Pawlak

- 14:00**                      **Daniel Guthy**  
(Novartis Institutes for Biomedical Research NIBR, Basel,  
Switzerland)  
title to be announced
- 14:30**                      **Neil Carragher**  
(University of Edinburgh, Edinburgh, UK)  
New RPPA applications for drug Mechanism-of-action profiling
- 15:00**                      **Jens Kelm** (tentative)  
(InSphero GmbH, Zürich, Switzerland)

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Multi-parametric 3D tumor microtissue-based phenotypic  
compound classification (title tentative)

**15:30**

**Michael Pawlak**

(NMI, Protein Profiling, Reutlingen, Germany)

Signaling pathway profiling in treated 3D tumor microtissues

**16:00**

*Coffee Break*

**16:30**

Selected presentations based on submitted abstracts

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### Ulrike Korf Award and Lecture

**Chair: Karl-Friedrich Becker**

- |              |  |
|--------------|--|
| <b>17:00</b> | <b>Ulrike Korf Award</b><br>N.N. (KF Becker, Munich)   |
| <b>17:10</b> | <b>Ulrike Korf Memorial Lecture</b><br><b>Satoshi S. Nishizuka</b><br>(Iwate Medical University, Morioka, Iwate, Japan)<br>Profiling drug-tolerant cancer cell subpopulations using RPPA |
| <b>17:40</b> | End of lecture program day 2<br><br>Depart to Tübingen   |

### Social Event and Networking Dinner

- |              |   |
|--------------|---|
| <b>18:30</b> | <b>Punt boat ride</b> on the river Neckar in Tübingen.  |
| <b>20:00</b> | <b>Networking Dinner</b> , Restaurant Casino am Neckar, Tübingen<br><br><a href="http://www.casino-am-neckar-tuebingen.de/restaurant/">http://www.casino-am-neckar-tuebingen.de/restaurant/</a> |

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## Tuesday September 27<sup>th</sup> 2016

Day 3

### Clinical Applications

**Chairs:** Karl-Friedrich Becker and Emmanuel Petricoin

- |              |  |
|--------------|--|
| <b>8:30</b>  | <b>Keynote: Christine Sers</b> (tentative)<br>(Institute of Pathology, Molecular Tumor Pathology & Tumor Systems Biology, Charité University Hospital, Berlin, Germany)<br>Title to be announced |
| <b>9:00</b>  | <b>Karl Friedrich Becker</b><br>(Institute of Pathology, Technical University, Munich, Germany)<br>How to use tissue samples for RPPA analysis   |
| <b>9:30</b>  | <b>Gordon Mills</b><br>(MD Anderson Cancer Center, Houston, Texas, USA)<br>Application of large scale RPPA data sets to discovery and implementation of patient therapy                          |
| <b>10:00</b> | <i>Coffee Break</i>  |
| <b>10:30</b> | <b>Christian Regenbrecht</b><br>(Charité University Hospital, Berlin, Germany)<br>Exploring tumor heterogeneity:<br>New leads for personalized oncology  |
| <b>11:00</b> | <b>Peter Nilsson</b><br>(KTH – Royal Institute of Technology, Stockholm, Sweden)<br>An arrayed biobank on 12k serum RPPAs  |



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- 11:30**                      **Tesshi Yamada**  
(National Cancer Center Research Institute, Tokyo, Japan)  
Signaling Pathway Profiling by RPPA for Drug Development  
and Personalized Cancer Medicine
- 12:00**                      **Julie Wulfschlegel**  
(George Mason University, Manassas, Virginia, USA)  
Results of the ISPY2 Trial
- 12:30**                      *Lunch and Poster Session*
- 14:30**                      Selected presentations based on submitted abstracts  
(Clinical Applications)

## Emerging Technologies to validate Biomarker discoveries

**Chairs: Thomas Joos**

- 15:00**                      **Markus Templin**  
(NMI, Reutlingen, Germany)  
DIGI-West:High-Content Protein Profiling
- 15:30**                      **Thomas Joos**  
(NMI, Reutlingen, Germany)  
Cross Species Immunoassays / ultrasensitive technologies
- 16:00**                      Selected presentations based on submitted abstracts
- 16:30**                      *Coffee Break*

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### RPPA Society: news and updates

- |              |  |
|--------------|--|
| <b>17:00</b> | <b>Satoshi S. Nishizuka</b><br>(Iwate Medical University, Morioka, Iwate, Japan) |
| <b>17:20</b> | <b>Closing Remarks</b>   |
| <b>17:30</b> | <b>Close of the Workshop</b>   |