



# „Systems-medicine Approaches in Cancer Research“

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## Joint e:Med Consortia Meeting (SMOOSE & MILES)

Cologne, February 19<sup>th</sup>, 2015

### Venue:

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Center for Molecular Medicine (ZMMK) at the University Hospital  
of Cologne, Robert-Koch Straße 21, Cologne

### Keynote Speaker:

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**Prof. Martin Eilers:**

Theodor Boveri Institute, Biocenter University of Würzburg

„Physiological and Oncogenic Functions of Myc“



## Agenda:

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When?	What?	Who?
09:45 – 10:00	<b>Coffee</b>	
10:00 – 10:25	<b>Welcome and general introduction</b> <b>SMOOSE SP5:</b> Identification, validation and exploitation of modulators	Dept. of Translational Genomics, UKK Project coordinator SMOOSE <b>Roman Thomas</b>
10:25 – 10:45	<b>SMOOSE SP1:</b> Genomic characterization and modeling of tumor progression	Dept. of Pediatric Oncology, UKK <b>Matthias Fischer</b> Dept. of Pediatric Hematology and Oncology, UKE <b>Johannes Schulte</b>
10:45 – 11:05	<b>SMOOSE SP2:</b> Systems-level modeling of cancer genome evolution	Dept. of Translational Genomics, UKK <b>Martin Peifer</b>
11:05 – 11:25	<b>SMOOSE SP3:</b> Systems-level modeling of mutationally activated signaling networks and response to therapy	Institute for Theoretical Physics, UoC <b>Johannes Berg</b>
11:25 – 11:45	<b>SMOOSE SP4:</b> Data handling, optimization of analysis workflows and applications	Dept. of Computer Science and Regional Computing Centre, UoC <b>Ulrich Lang</b>
11:45 – 12:05	<b>SMOOSE SP6:</b> Modulation of oncogenic signaling through complex tumor/stroma interactions	Dept. I of Internal Medicine, UKK <b>Christian Reinhardt</b>
12:05 – 12:50	<b>Lunch</b>	
12:50 – 13:40	<b>Physiological and Oncogenic Functions of Myc</b>	<b>Theodor Boveri Institute Biocenter</b> <b>University of Würzburg</b> <b>Martin Eilers</b>
13:40 – 14:00	<b>SMOOSE SP7:</b> Modulation of oncogenic signaling through epigenetic writers of the histone code	Dept. of Pathology, UKK <b>Reinhard Büttner</b>
14:00 – 14:20	<b>SMOOSE SP8:</b> Chemical Biology of multi-pathway inhibition	Dept. of Chemistry and Chemical Biology, TU Dortmund <b>Daniel Rauh</b>
14:20 – 14:40	<b>Coffee</b>	
14:40 – 14:55	<b>MILES SP4:</b> <b>General overview MILES</b> Characterization of lineage- specific MYC signaling in cancer	Dept. of Translational Genomics, UKK Project coordinator MILES <b>Martin Sos</b>
14:55 – 15:10	<b>MILES SP1:</b> Transcription factor activity variation across cancer lineages	Cologne Centre for Genomics/ CECAD/ MPG, UoC <b>Mathieu Clément-Ziza</b>
15:10 – 15:25	<b>MILES SP2:</b> Deciphering lineage-specific mutational patterns of chromatin modifiers by integrative genome analysis	Dept. of Translational Genomics, UKK <b>Martin Peifer</b>
15:25 – 15:40	<b>MILES SP3:</b> Characterizing the lineage specific role of NEDD9 in tumor biology and associated signaling dependencies	Dept. I of Internal Medicine, UKK <b>Tamina Seeger- Nukpezah</b>
15:40 – 15:55	<b>MILES SP5:</b> Processing Sensitive Medical Information in Cloud Computing Environments while Ensuring Information Security and Privacy	WISO Faculty, University of Cologne <b>Ali Sunyaev</b>
15:55 – 16:10	Closing Remarks	<b>Roman Thomas</b>

## Participants:

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<b>SMOOSE:</b>	
Roman Thomas	Dept. of Translational Genomics, UKK
Reinhard Büttner	Dept. of Pathology, UKK
Christian Reinhardt	Dept. I of Internal Medicine, UKK
Johannes Berg	Institute for Theoretical Physics, UoC
Ulrich Lang	Dept. of Computer Science and Regional Computing Centre, UoC
Matthias Fischer	Dept. of Pediatric Oncology, UKK
Martin Peifer	Dept. of Translational Genomics, UKK
Daniel Rauh	Dept. of Chemistry and Chemical Biology, TU Dortmund
Johannes Schulte	Dept. of Pediatric Hematology and Oncology, UKE
<b>MILES:</b>	
Mathieu Clément-Ziza	Cologne Center for Genomics/ CECAD/ MPG, UoC
Tamina Seeger-Nukpezah	Dept. I of Internal Medicine, UKK
Martin Sos	Dept. of Translational Genomics, UKK
Ali Sunyaev	WISO Faculty, University of Cologne
<b>Co- Worker:</b>	
Viktor Achter	Dept. of Computer Science and Regional Computing Centre, UoC
Michael Rauer	Cologne Center for Genomics/ CECAD/ MPG, UoC
So-Young Lim	Dept. of Pathology, UKK
Bianca Wiedemann	Dept. of Chemistry and Chemical Biology, TU Dortmund
Margarete Odenthal	Dept. of Pathology, UKK
Jörn Weisner	Dept. of Chemistry and Chemical Biology, TU Dortmund
Stefano Tomassi	Dept. of Chemistry and Chemical Biology, TU Dortmund
Marc Bos	Dept. of Translational Genomics, UKK
Graziella Bosco	Dept. of Translational Genomics, UKK
Yupeng Cun	Dept. of Translational Genomics, UKK
Seda Ercanoglu	Dept. of Translational Genomics, UKK
Julie George	Dept. of Translational Genomics, UKK
Sandra Ortiz-Cuaran	Dept. of Translational Genomics, UKK
Florian Malchers	Dept. of Translational Genomics, UKK
Dennis Plenker	Dept. of Translational Genomics, UKK
Battujya Batbajar-Dugershaw	Dept. of Translational Genomics, UKK
<b>Project Management:</b>	
Axel Aretz	Project Management Agency of the German Aerospace Center (DLR)
Andreas Künne	Project Management Agency of the German Aerospace Center (DLR)