



## Workshop on Single Cell Analysis

November 14-15<sup>th</sup>

November, 14<sup>th</sup>, 14:30-17:50

Venue: lecture hall 1, MZL, Klinikstr. 29

14:30 - 14:40	<b>Martin Blaser</b> , International Giessen Graduate Centre for Life Sciences (GGL) <i>GGL Postdoc Program</i>
14:40 - 15:20	<b>Alexander Misharin</b> , Northwestern University, Division of Pulmonary and Critical Care <i>Single cell RNA-Seq analysis of healthy and diseased human lungs</i>
15:20 - 16:00	<b>Andrius Serva</b> , Fluidigm Corporation <i>Discovery and Functional Profiling with Mass Cytometry - High order multiplexing of biological samples - from suspension to tissue</i>
16:00 - 16:30	Coffee Break
16:30 - 17:10	<b>Martijn C. Nawijn</b> , University of Groningen, Department of Pathology and Medical Biology <i>Human Cell Atlas Lung Project</i>
17:10 - 17:50	<b>Christos Samakovlis</b> , Justus-Liebig-University Giessen, Department of Internal Medicine <i>In situ single cell RNA sequencing of lung tissue</i>

November 15<sup>th</sup>, 9:00 -17:00

### Methods and Hands-On Workshop

09:00 – 09:45	<b>Alexander Misharin</b> , Northwestern University, Division of Pulmonary and Critical Care Basic Principles of FACS Analyses and Cell Sorting
9:45 – 17:00	<b>Hands-on workshop:</b>  <b>Roxana Wasnick</b> , Justus Liebig University Giessen, Department of Internal Medicine <i>Intro – basic experimental design for scNGS</i> <b>Janine Koepke</b> , Justus Liebig University Giessen, Department of Internal Medicine <i>Cell isolation for scNGS</i> <b>Ivonne Vasquez</b> , Justus Liebig University Giessen, Department of Internal Medicine, FACS Facility <i>FACS sorting for single cell experiments</i> <b>Stefan Günther</b> , MPI for Heart and Lung Disease, Bioinformatics and deep sequencing platform <i>Cell capture and library preparation and scNGS and basics of data analysis</i>

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