

## Lecture Cycle D1: Structural Biology Across Scales – Molecular and Cellular Structural Biology I - 12421

**Organizers:** Proffs. Ben Engel, Michel Steinmetz, Roderick Lim

**Day:** Thursdays

**Time:** 15:15 to 17:00 h

**Room:** U1.195; **Address:** Biozentrum, Spitalstrasse 41, 4056 Basel

**PLEASE NOTE THE EXCEPTIONS IN THE TABLE IN COLOR**

SPEAKER	Date
<b>Michel Steinmetz, PSI, Villigen, Switzerland (+ Ben Engel course intro):</b> <i>Studying microtubule structure, function, and dynamics</i>	Thu, 19 September
<b>Will Wan, Vanderbilt University, Nashville TN, USA</b> <i>Image Processing Methods for Cryo-Electron Tomography</i>	Thu, 26 September <b>16:15 – 18:00</b>
<b>Yannick Schwab, EMBL, Heidelberg, Germany</b> <i>Multimodal correlations and volume imaging in Cellular Electron Microscopy</i>	Thu, 3 October <b>16:15 – 18:00</b>
<b>Sven Klumpe, MPI, Munich, Germany</b> <i>Cryo-FIB and lift-out sample preparation: towards structural developmental biology</i>	Thu, 10 October <b>16:15 – 18:00</b>
<b>Janani Durairaj, Biozentrum, University of Basel, Switzerland</b> <i>Computational Methods for Structure Prediction</i>	Thu, 17 October
<b>Francesca Pennacchetti, KTH Royal Institute of Technology, Stockholm, Sweden</b> <i>Live-cell imaging at the nanoscale</i>	<b>Tuesday</b> , 22 October <b>room U1.191</b>
<b>Jan Schuller, Universität Marburg, Germany</b> <i>Anaerobic metabolism - survival at the thermodynamic limit of life</i>	Thu, 31 October
<b>Emmanuel Levy, Geneva University, Switzerland</b> <i>Principles of protein assembly in cells</i>	<b>Wednesday</b> , 6 November
<b>Paul Guichard, Geneva University, Switzerland</b> <i>Combining cryo-tomography and ultrastructure expansion microscopy to study the molecular architecture of organelles</i>	Thu, 14 November
<b>Andela Saric, IST Austria; Klosterneuburg, Austria</b> <i>Modelling life with beads and springs</i>	Thu, 21 November
<b>Josie Ferreira, UCL, London, UK</b> <i>A unique cytoskeleton drives transmission of the malaria parasite</i>	Thu, 28 November
<b>Fan Liu, Leibnitz FMP Berlin, Germany</b> <i>Developing interactomics and its application in cell biology</i>	Thu, 5 December
<b>Student Presentations</b>	Thu, 12 December
<b>Student Presentations</b>	Thu, 19 December