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SFB - Tomography Across the Scales

**2nd Internal Meeting**

March 27-29, 2019 Dienten am Hochkönig, Austria

## Program

### Wednesday, March 27, 2019

- 17:30 – 18:30            Opening Dinner
- 18:30 – 19:15            **The colourful past and dark side of galaxies**  
*Glenn van de Ven, Institut für Astrophysik, Uni Wien*
- 19:15 – 19:20            *Discussion*

### Thursday, March 28, 2019

- 08:30 – 09:15            **On the imaging and reconstruction of oligomeric structures in ultra-high resolution microscopy**  
Roger Telschow (Uni Wien), Magdalena Schneider (TU Wien), Montse López
- 09:15 – 09:20            *Discussion*
- 09:20 – 10:05            **Dancing Micropotatoes: towards experimental Control and Estimation of Motion of Trapped Specimens**  
Mia Kvåle Løvmo (MedUni Innsbruck), Benedikt Pressl (MedUni Innsbruck), Denise Schmutz (Uni Wien)
- 10:05 – 10:10            *Discussion*
- 10:10 – 10:25            *Coffee Break*
- 10:25 – 11:10            **Reconstructing the refractive index from OCT data**  
Leopold Veselka (Uni Wien), Leonidas Mindrinos (RICAM Linz)
- 11:10 – 11:15            *Discussion*

11:15 – 12:00	<b>Recent advances in OCT Quantitative Elastography</b> Ekaterina Sherina (Uni Wien), Lisa Krainz (MedUni Wien)
12:00 – 12:05	<i>Discussion</i>
12:05 – 17:30	~ Lunch Break ~
17:30 – 18:30	Dinner
18:30 – 19:15	<b>Human Vision: Insights from Psychophysics</b> Ulrich Ansorge, Institut für Psychologische Grundlagenforschung und Forschungsmethoden, Uni Wien
19:15 – 19:20	<i>Discussion</i>

## Friday, March 29, 2019

08:30 – 09:15	<b>Visual Biochemistry: Watching Molecular Machines in action with cryo EM</b> David Haselbach, Research Institute of Molecular Pathology
09:15 – 09:20	<i>Discussion</i>
09:20 – 10:05	<b>High resolution imaging of the retina with adaptive optics OCT: An update</b> Elisabeth Brunner (MedUni Wien), Günter Auzinger (JKU Linz)
10:05 – 10:10	<i>Discussion</i>
10:10 – 10:25	<i>Coffee Break</i>
10:25 – 10:50	<b>Nonlinear Tikhonov regularization in tomography and microscopy</b> Fabian Hinterer (JKU, Linz)
10:50 – 10:55	<i>Discussion</i>
10:55 – 11:20	<i>Closing Session</i>