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SFB - Tomography Across the Scales

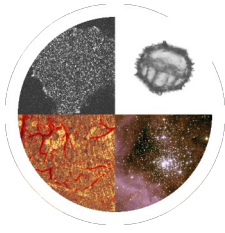
***Fourth Member Workshop (online)***

September 2, 2020

## Program

**Wednesday, September 2<sup>nd</sup>, 2020**

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|---------------|--|
| 09:00 – 09:30 | <b>The OCT forward scattering problem for approximated Gaussian beam irradiation</b><br>Leopold Veselka (University of Vienna)                                     |
| 09:30 – 10:00 | <b>Updates on Quantitative Elastography Imaging</b><br>Lisa Krainz (Medical University of Vienna)  |
| 10:00 – 10:30 | <b>TBA</b><br>Elisabeth Landl (JKU Linz)   |
| 10:30 – 11:00 | <b>Using CuReD for wave-front reconstruction in ophthalmoscopy</b><br>Günter Auzinger (JKU Linz)   |
| 11:00 – 13:00 | <i>Lunch break</i>   |
| 13:00 – 13:30 | <b>A workflow for sizing oligomeric biomolecules based on cryo single molecule localization microscopy</b><br>Magdalena Schneider (Technical University of Vienna) |
| 13:30 – 14:00 | <b>TBA</b><br>Kamran Sadiq (RICAM Linz)  |
| 14:00 – 14:30 | <b>Inducing sustained rotations of biological samples in a ‘sono-optical’ microfluidic chip</b><br>Mia Kvåle Løvmo (Medical University of Innsbruck)               |



- 14:30 – 15:00      **On reconstruction formulae for diffraction tomography with optical tweezers**  
Eric Setterqvist (RICAM Linz)
- 15:00 – 16:00      *Coffee break*
- 16:00 – 16:30      **Updates on data driven regularization by projection**  
Andrea Aspri (RICAM Linz)
- 16:30 – 17:00      **Reconstruction of elastic media with a reciprocity-gap misfit functional, enabling arbitrary source position**  
Florian Faucher (University of Vienna)
- 17:30 – 18:30      Member meeting