



# PETRA IV Workshop - Soft Matter, Health, and Life Science

## Thursday, 29 October 2020

**Metals and Bio-Systems: -- White Zoom Room --, Chairs: Wolfgang Caliebe, Ilya Sergeev - Online (16:00 - 18:15)**

| time  | [id] title   | presenter          |
|-------|--|--------------------|
| 16:00 | [80] Challenges and opportunities for electrochemical operando X-ray spectroscopy on (bio)-catalytic systems   | RUEDIGER, Olaf     |
| 16:20 | [81] Biological Co-S-based systems as potential water oxidation catalysts  | SPAN, Ingrid       |
| 16:40 | [82] High repetition optical pump nuclear resonant scattering probe techniques for the investigation of dynamical processes in the ps-time regime: From molecular switches to single molecular magnets | SCHÜNEMANN, Volker |
| 17:00 | Coffee Break   |                    |
| 17:15 | [83] Metalloenzymes: Getting on the NRVS   | BIRRELL, James     |
| 17:35 | [84] Combined micro-XRF/XANES spectroscopy of iron-oxide nanoparticles in biological tissues.  | SOLDATOV, Mikhail  |
| 17:55 | [85] Opportunities for bioinorganic chemistry in the medium energy (2 - 13 keV) regime   | JAMES, Simon       |