

# ESRF Users Meeting 2015 - UDM 4

## Structural Biology at the ESRF - more than crystallography

Wednesday 11<sup>th</sup> February 2015

IBS Seminar Room

08:30 Welcome Coffee

### Session 1 - Chair: M. Mapelli

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|-------------|--|---|
| 08:50-09:00 | <b>Introduction</b>  | <i>M. Mapelli</i><br><i>ESRF Users Organisation</i>                         |
| 09:00-09:45 | A study focused on Dps brings new insights on the manganese distribution in <i>Deinococcus radiodurans</i> | <i>C. Romao</i><br><i>ITQB, Lisbon, Portugal</i>                            |
| 09:45-10:10 | When RNP meets RNP: the signal recognition particle and the ribosome                                       | <i>K. Wild</i><br><i>Heidelberg University Biochemistry Center, Germany</i> |
| 10:10-10:35 | Modularity and conformational changes as key features of the complement system                             | <i>F. Forneris</i><br><i>University of Pavia, Italy</i>                     |
| 10:35-11:00 | <b>Coffee Break</b>  |   |

### Session 2 - Chair: C. Mueller-Dieckmann

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|-------------|--|--|
| 11:00-11:45 | Crystal structure of the mouse 5-HT3 serotonin receptor  | <i>H. Nury</i><br><i>IBS, Grenoble, France</i>                               |
| 11:45-12:10 | High-resolution crystallographic structures of animal adenovirus fibre head domains  | <i>M.J. van Raaij</i><br><i>CNB-CSIC, Madrid, Spain</i>                      |
| 12:10-12:35 | Coupling digital microfluidics and Small-Angle X-ray scattering to study the whole crystallization process of proteins in solution | <i>S. Teychené</i><br><i>Laboratoire de Génie Chimique, Toulouse, France</i> |
| 12:35-14:00 | <b>Lunch at ESRF/ILL Canteen</b>   |  |

### Session 3 - Chair: A. Royant

|             |   |  |
|-------------|---|--|
| 14:00-14:45 | X-ray crystallography, <i>in-crystallo</i> Raman spectroscopy, QM/MM calculations and radiolytic effects provide insight into an intermediate step in cofactor-independent biological oxidation | <i>R. Steiner</i><br><i>King's College, London, UK</i>         |
| 14:45-15:10 | X-Ray Absorption Spectroscopic Studies of Vanadium-containing Haloperoxidases   | <i>M. C. Feiters</i><br><i>Radboud University Nijmegen, NL</i> |
| 15:10-15:35 | A novel approach for automated crystal mounting and cryo cooling.   | <i>Jose A. Marquez</i><br><i>EMBL, Grenoble, France</i>        |

15:35 End of Meeting