



**Location**

Lund University  
 Main university building (number 11 on the map)  
 Meeting room 206

**Contact**

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**SYRA3 COST ACTION MEETING  
 LUND UNIVERSITY  
 OCTOBER 13-14, 2016**



## Thursday, October 13th

08:00 *Registration opens*

08:50 **Welcome**, C Ceberg

09:00 **WG1 Radiation biology**, Chairs: C Mothersill/V Djonov/J Hopewell

- 09:00-09:10 **C Mothersill**: Introduction
- 09:10-09:30 **J Hopewell**: Dose limiting skin endpoint after MRT
- 09:30-09:45 **C Fernandez-Palomo**: Gold nanoparticle uptake by a mouse melanoma
- 09:45-10:00 **M Potez**: MRT effects on mouse melanoma model
- 10:00-11:00 Discussion

11:00 – 11:30 *Coffee break*

- 11:30-11:45 **K Petersson**: Update on the FLASH-therapy project
- 11:45-12:00 **P Petersson**: Radiation-induced dysfunction in the growing brain

12:00 – 13:00 *Lunch*

13:00 **WG2 Treatment of tumours**, Chair: JA Laissue

- 13:00-13:15 **A Bravin**: Outcome of the ID17 beam-line review and the next steps
- 13.15-13:30 **E Bräuer-Krisch**: Stereotactic synchrotron radiation therapy and microbeam radiation therapy at the ID17 biomedical beamline of the ESRF
- 13:30-13:45 **V Djonov**: A short orientation about the status of the FET proposal
- 13:45-14:00 **R Serduc/JF Adam**: An orientation about the planned pig experiments at the ESRF

14.00 – 14:30 *Coffee break*

- 14:30-14:45 **A Bravin**: The Varian lung fibrosis experiments in rats – Part A. Concept and lung irradiation modalities
- 14:45-15:00 **J Laissue/V Djonov**: The Varian lung fibrosis experiments in rats – Part B. Preliminary radiopathologic results
- 15:00-15:15 **S Bartsch**: The microbeam tube – A compact microbeam source based on conventional x-ray technology
- 15:15-15:30 Discussion

16:00 **Visit to the MAXIV Laboratory**

19:00 *Dinner at the Bishop's palace*

## Friday, October 14th

09:00 **WG3 Dosimetry and treatment planning**, Chairs: E Bräuer-Krisch/U Oelfke

- 09:00-09:20 **M Donzelli**: Spiral MRT
- 09:20-09:40 **T Wysokinski**: Induced breast cancer cell apoptosis by synchrotron-based irradiation with monochromatic micro-beams
- 09:40-10:00 **J Livingstone**: Experimental dosimetry for the MRT boost pig experiment: First results and future studies
- 10:00-10:20 **D Reynard**: First results on the characterization of the ESRF MSC including surface effects
- 10:20-10:40 **M Holm**: MRT treatment planning in Eclipse
- 10:40-11:00 Discussion

11:00 – 11:30 *Coffee break*

11:30 **General discussion**, Chairs: A Depaulis/E Schültke

- 11:30-11:45 **A Depaulis**: The next step beyond SYRA3; strategies for further collaboration
- 11:45-13:00 Discussion

13:00 – 14:00 *Lunch*

14:00 **MC meeting**, Chair: A Bravin

