## The 2014 Joint National PhD Conference in

## Medical Imaging and MedViz Conference

**Conference Programme at Grand Terminus Hotel, Bergen, Norway**

**Tuesday June 17**

0730 - 0900 Registration and coffee. Poster assembly in the poster area

0900 - 0915 Welcome: Rector Dag Rune Olsen, UiB

Prof. Olav Haraldseth, NTNU, Trondheim & Prof. Odd Helge Gilja, UiB/HUS, Bergen

**Session I: Image and signal processing**

0915 – 0945 Bradley Erickson, Mayo Clinic, Rochester, USA: Using Big Data and Machine Learning to Find Relationships between MRI and Genomics in Brain Tumors

0945 - 1030 Oral presentations by PhD candidates

1030 - 1100 João Manuel R. S. Tavares, University of Porto, Portugal:

Biomedical Image Analysis based on Computational Registration Methods

1100 – 1115 Coffee & tea

**Session II: Visualization & Modelling**

1115 – 1145 Bernhard Preim, University of Magdeburg, Germany:

Visual Analytics of Image-Centric Cohort Studies in Epidemiology

1145 – 1230 Oral presentations by PhD candidates

1230 – 1300 Steven Sourbron, Leeds Institute of Genetics, Health and Therapeutics, England:

Tracer-kinetic modelling in renal MRI

1300 – 1400 Lunch

**Session III: Posters**

1400 – 1445 Speed poster presentations (1 minute each, 30 sec to change speaker)

1445 – 1530Poster discussion, coffee & tea

**Session IV: Preclinical imaging**

1530 - 1600 Emmet Mc Cormack, UiB, Bergen: Preclinical Imaging of Cancer

1600 - 1645 Oral presentations by PhD candidates

1645 - 1715 Rune Sundset, UiT– The Arctic University of Norway:

Preclinical PET imaging in Tromsø – research facilities and course opportunities

1800 - 2200 Sailing with Statsraad Lehmkuhl and Conference Dinner on board

**Wednesday June 18**

**Session V: Biomedical and molecular imaging**

0900 – 0930 Atle Bjørnerud, UiO, Oslo: Magnetic Resonance based perfusion imaging of the brain

0930 – 1030 Oral presentations by PhD candidates

1030 – 1100 Catharina de Lange Davies, NTNU; Trondheim:

US-mediated delivery of nanoparticles to tumor tissue

1100 - 1115 Coffee & tea

**Session VI: Clinical imaging**

1115 - 1145 Christoph Dietrich, Caritas Krankenhaus Bad Mergentheim, Germany:

CEUS quantification in clinical practice

1145 - 1230 Oral presentations by PhD candidates

1230 - 1300 Ingfrid Haldorsen, HUH/UiB: Functional imaging for individualized cancer treatment

1300 - 1400 Lunch

1400 – 1445 Poster discussion, coffee & tea

1445 – 1530 **Panel for discussion: Your experience with cross-disciplinary research**

Bernhard Preim, Odd Helge Gilja and two PhD candidates / post docs

1530 – 1550 Awards for the best pictures, PhD posters and PhD presentations

1550 – 1600 Conclusive remarks by Ragnar Nortvedt, MedViz