



UPPSALA
UNIVERSITY

Invitation to Proton therapy research workshop - DOTSKAN Uppsala, 2-3 March 2017

Venue: Blåsenhus, von Kraemers allé 1, Uppsala (walking distance from Skandion!)

We invite all interested to the third edition of the DOTSKAN workshop in Uppsala about medical physics related to radiotherapy with scanned particle beams. The intended audience are researchers, clinical physicists, clinicians, and company R&D staff with a research interest in e.g. proton beam therapy. We expect international participation, meeting language is English. In direct conjunction with the meeting we will also host a workshop for use of GATE in Geant4-based simulations of radiotherapy and imaging.

We welcome contributions from ongoing projects as well as proposals or discussions for new projects. In particular we invite the Skandion diagnosis groups to present status and possible issues, from primarily a physics perspective, but also more general.

Please find below a preliminary program. Please let us know by email at the latest **February 16th 2017** to anders.ahnesjo@igp.uu.se or fernanda.villegas-navarro@igp.uu.se what you would like to present and/or discuss. Based on your feedback we will update the program.

Participation is free of charge (thanks to Cancerfonden) but let us know at the latest **February 16th 2017** through email to fernanda.villegas-navarro@igp.uu.se if you will attend, **notifying the meals** you plan to participate in (lunch Thu 2, dinner Thu 2, lunch Fri 3) and special diet requirements.

There are several nearby hotels, e.g. www.hotellstella.se, www.citystayuppsala.se, akademihotellet.se, www.scandichotels.com/upplandia, or www.nordicchoicehotels.se/clarion/clarion-hotel-gillet/.

Preliminary program

Thursday 2 March, **Blåsenhus room 13136**

- * 9.45 Welcome with coffee
- * 10.20 Motion management, status discussion Skandion diagnosis groups, etc
- * 12.30-13.30 Lunch
- * 13.30 4D simulation projects
- * 15.30 RBE projects
- Dinner -

Friday 3 March, **Blåsenhus room Betty Pettersson**

- * 9.15 Beam modelling, dosimetry, phantoms, etc
- * 10.30 Imaging in particle therapy
- * 12.00-13.00 Lunch
- * 13.00-18.00 GATE workshop

The GATE sub-workshop, which is intended for GATE users and others interested in Geant4-based simulations of medical imaging and radiotherapy, will be managed by the GATE collaborative group. Main topics will be beam/nozzle modelling, particle therapy specific imaging devices and LET/RBE models within GATE/Geant4.

Welcome!