

# GATE WORKSHOP @ PTCOG 55



## OpenGate collaboration representatives

**Loïc Grevillot** (MedAustron, Austria)

**Hermann Fuchs** (Medical University of Vienna, Austria)

**David Boersma** (Uppsala University, Sweden)

## Workshop General Information

**Title:** GATE/GEANT4 Monte Carlo simulation platform for ion therapy applications

**Date:** Thursday, May 26, lunchbreak from 12.30 – 14.00

**Room capacity:** ~ 60 people

**Lunch:** lunch boxes provided

### About PTCOG:

- PTCOG Scientific Meeting 26-28 May 2016, Prague
- [www.ptcog55.org](http://www.ptcog55.org)

## Workshop Agenda

### Introduction (15 min)

1. GATE and the OpenGATE collaboration (Loïc Grevillot, MedAustron, Austria)

### Invited Talks (3x15min):

2. Beam modeling of the new IBA PBS system with Gate/Geant4 at Skandion clinic. (Erik Almhagen, Skandion, Sweden)
3. Gate as a Geant4-based MC platform to support medical commissioning and TPS verification in scanned ion beam therapy (Alessio Elia, MedAustron/Creatis, Austria/France)
4. Accelerated Prompt Gamma estimation for clinical Proton Therapy simulations (Brent Huismann, Creatis, France)

### Conclusion (15 min) + open discussions (15 min)

5. Review of ion therapy applications with Gate/Geant4, on-going developments and future releases (Loïc Grevillot, MedAustron, Austria)