Monday August 25, UMCG Onderwijscentrum, Rode Zaal

9:15-9.30 Coffee
9:30-9:45 Welcome by Folkert Kuipers, Dean of the Faculty of Medical Sciences
9:45-10:00 Masahiko Koizumi (Osaka University)
   *Overview of the JSPS core-to-core program - Forming Research and Educational Hubs of Medical Physics.*
10:00-10:20 Satoru Sugimoto (Juntendo University)
   *Medical Physics Research at Juntendo University*
10:20-10:40 Josbert Mulder (KVI-CART)
   *Water calorimetry as a primary measurement standard for proton therapy.*
10:40-11:00 Akihiro Haga (University of Tokyo)
   *Four-dimensional dose reconstruction by use of in-treatment data set.*
11:00-11:30 Break
11:30-11:50 Osamu Suzuki (Osaka University)
   *Analysis of stereotactic radiotherapy data of lung cancer.*
11:50-12:10 Joanne van Abbema (KVI-CART)
   *Advanced proton dose calculations using Dual Energy CT.*
12:10-13:30 Lunch
13:30-14:00 Peter Johnstone (Indiana University School of Medicine)
   *Practical aspects of proton radiotherapy in children.*
14:00-14:45 Hans Langendijk (UMCG)
   *Personalized approaches in the selection of patients for proton therapy and dynamic decision support systems.*
14:45-15:15 Masaaki Takashina (Osaka University)
   *Particle simulation studies in JSPS core-to-core program.*
15:15-15:45 Break
15:45-16:05 Roel Kierkels (UMCG)
   *Multivariable NTCP based optimisation of treatment planning.*
16:05-16:25 Kichiji Hatanaka (RCNP)
   *Developments on compact particle therapy system.*
16:25-16:40 Faruk Diblen (KVI-CART)
   *Implementation of TOF-PET for in-vivo dose delivery verification in proton therapy.*
16:40-17:30 Transfer to Academy building.
17:30-18:45 Visit/Drink Academy building
19:00- Diner Feithhuis.
Tuesday August 26, UMCG Onderwijscentrum, Lokaal 16

9:15-9:30 Coffee
9:30-9:50 Toru Tanimori (Kyoto University)
Recent progress of imaging diagnosis using prompt gamma-rays in beam therapy by improved Electron Tracking Compton Camera.
9:50-10:10 Tom Buitenhuis (KVI-CART)
Prompt gamma-rays versus positron emitters for in-vivo dose delivery verification in proton therapy.
10:10-10:30 Arjen van der Schaaf (UMCG)
NTCP Modelling Fact or Myth.
10:30-10:50 Eddie Mannina (Indiana University Simon Cancer Center)
Evaluation of Pseudo progression in Juvenile Pilocytic Astrocytomas Treated with Proton Beam Radiotherapy.
10:50-11:20 Break
11:20-11:40 Nafise Ghazanfari (KVI-CART)
Proton radiography as a tool for imaging in proton radiotherapy.
11:40-12:00 Sanne van Dijk (UMCG)
Robust intensity modulated proton therapy in head and neck cancer: adequate target coverage and reduction of complications compared to IMRT.
12:00-12:20 Hideki Takegawa (Kaizuka City Hospital)
Research progress and future work of the 4D Monte Carlo project.
12:20-12:30 Closure
12:30-13:30 Lunch