

## Scientific projects day 17 nov 2017

Time	Lecture	Lecturer	Affiliation
9:30	<b>Coffee</b>		
10:00	Opening remarks	Arjen/Richard/Jan	
10:05	Dosimetric comparison of proton and photon radiotherapy irradiation techniques for paediatric patients	Filipa Guerreiro	UMC Utrecht
10:25	Automated proton planning by mimicking the reference photon dose for patient selection	Roel Kierkels	UMCG
10:45	Three-dimensional dose evaluation in breast cancer patients to define decision criteria for adaptive radiotherapy	Karen Zegers	Maastro clinic
11:05	Fast online re-planning for the current and future clinic	Charis Kontaxis	UMC Utrecht
11:25	Lifetime secondary cancer risks of whole and partial breast irradiation techniques	Nienke Hoekstra	Erasmus MC
11:45	Enhanced prostate SBRT using VMAT + a single computer-optimized non-coplanar IMRT beam	Abdul Sharfo	Erasmus MC
12:05	<b>LUNCH</b>		
13:15	<i>Lunch lecture: Evolutionary Intelligent Innovations in Radiation Therapy</i>	<i>Peter Bosman</i>	<i>CWI</i>
14:00	Possible toxicity after radiotherapy for NSCLC	Barbara Stam	NKI/AVL
14:20	Image biomarkers improve prediction of late radiation-induced xerostomia	Sanne van Dijk	UMCG
14:40	External Validation of Radiation-Induced Dyspnea Models on Esophageal Cancer Radiotherapy Patients	Zhenwei Shi	Maastro clinic
15:00	<b>Coffee break</b>		
15:30	Automatic retrieval of similar patients by Machine Learning for 3D dose reconstruction.	Marco Virgolin	CWI
15:50	Multi-objective optimization of Brachytherapy treatment plans for prostate cancer	Anton Bouter	CWI
16:10	Correlating MRI radiomics with biology during therapy in cancer models: a tool for drug development?	Henry Woodruff	Maastro clinic
16:30	Patient QA for the MRI-Linac	Sara Hackett	UMC Utrecht
16:50	Radial MRI for radiotherapy guidance	Tom Bruijnen	UMC Utrecht
17:10	<b>Drinks</b>		