



Summer School Medical Physics „Imaging for Radiotherapy“

Program

Monday April 01st 2019

Time	Topic	Speaker
9:15	Registration	Barthold/Schäfer
9:30-9:45	Opening remarks and welcome	Barthold/Schäfer
9:45-11:15	CT	Tbd.
11:15-12:15	PET	Clarissa Gillmann/Yannick Berker, DKFZ
12:15-13:45	Lunch Break	
13:45-15:15	PET CT	Clarissa Gillmann, DKFZ
15:15-15:45	Ultrasound	Tbd.
15:15-15:45	Coffee Break	
15:45-17:15	MRI	Tbd.
17:15-18:30	PET MR	Yannick Berker, DKFZ
18:30-18:45	Course revision	All
19:00	Get Together at HCLA	All

Tuesday April 02nd 2019

Time	Topic	Speaker
9:00	Registration	
9:15-10:45	Dual Energy CT	<i>Fernando Gonzales, CA (tbc.)</i>
10:45-12:15	Specificity of different imaging modalities	Kristin Lang, University Hospital Heidelberg
12:15-13:45	Lunch Break	
13:45-15:15	Artefacts in CT Imaging, Iterative reconstruction. Dose reduction	Daniella Fabri, UC
15:15-15:45	Negative interpretations of Image data sets	Kristin Lang, University Hospital Heidelberg
15:15-15:45	Coffee Break	
15:45-17:15	MR for RT and Limitations of MR Imaging	Clarissa Gillmann/Yannick Berker, DKFZ
17:15-18:30	Cone Beam CT (kV and MV Imaging)	Oliver Jäkel, DKFZ
18:30-18:45	Course revision	All

Wednesday April 03rd 2019

Time	Topic	Speaker
9:00	Registration	
9:15-10:45	MR-Linac: Concept and Devices	Oliver Jäkel, DKFZ
10:45-12:15	CT for RT and Limitations of CT Imaging	Tbd.
12:15-13:45	Lunch Break	
13:45-15:15	MITK ...	Marco Nolden, DKFZ (tbc.)
15:15-15:45	Data Science ...	Marco Nolden, DKFZ (tbc.)
15:15-15:45	Coffee Break	
15:45-16:30	MR Spectroscopy	Heinz Schlemmer, DKFZ
16:30-17:15	Case presentations of imaging datasets	Kristin Lang, University Hospital Heidelberg
17:15-17:30	Course revision and closing	All



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Speakers:

- Yannick Berker, PhD
German Cancer Research Center (DKFZ) Heidelberg, Germany
- Daniella Fabri Genskowsky, PhD
Facultad de Física, Pontificia Universidad Católica de Chile (UC)
- Clarissa Gillmann, PhD
German Cancer Research Center (DKFZ) Heidelberg, Germany
- *Fernando Gonzales, MD (tbc.)*
Clinica Alemana, Santiago de Chile
- Prof. Oliver Jäkel, PhD
German Cancer Research Center (DKFZ) Heidelberg, Germany
- Kristin Lang, MD
Heidelberg University Hospital, Heidelberg, Germany
- Marco Nolden, PhD
German Cancer Research Center (DKFZ) Heidelberg, Germany
- Prof. Heinz Schlemmer, PhD
German Cancer Research Center (DKFZ) Heidelberg, Germany

Venue and Contact

Johanna Höhl, PhD
Coordinadora
Programas Centro de Excelencia

Heidelberg Center para América Latina (HCLA)
Las Hortensias 2340,
Providencia
Santiago de Chile

Phone: + 56 (0) 2 - 2234 34 66
Fax: + 56 (0) 2 - 2234 37 81
E-mail: info@hcla.uni-heidelberg.de
Web: www.hcla.uni-hd.de