



**Summer School Medical Physics „Imaging for Radiotherapy“  
Program**

**Monday April 01<sup>st</sup> 2019**

Time	Topic	Speaker
9:00	Registration	Barthold/Schäfer
9:15-9:30	Opening remarks and welcome	Barthold/Schäfer
9:30-11:00	CT – Refresher	Karla Torzok, FALP
11:00-11:30	Coffee Break	
11:30-13:00	MRI – Refresher	Online: Philipp Mann, DKFZ
13:00-14:00	Lunch Break	
14:00-15:00	PET – Refresher	Yannick Berker/ Clarissa Gillmann, DKFZ
15:00-15:30	Coffee Break	
15:30-17:00	PET CT	Clarissa Gillmann, DKFZ
17:00-18:15	PET MR	Yannick Berker, DKFZ
18:15-18:30	Course revision	All
18:45	Get Together at HCLA	All

**Tuesday April 02<sup>nd</sup> 2019**

Time	Topic	Speaker
9:00	Registration	
9:15-10:00	Dual Energy CT	Fernando Gonzalez, Clinica Alemana
10:00-11:30	Specificity of different imaging modalities	Kristin Lang, University Hospital Heidelberg
11:30-12:00	Coffee Break	
12:00-12:45	Negative interpretations of Image data sets	Kristin Lang, University Hospital Heidelberg
12:45-13:45	Lunch Break	
13:45-15:15	Artefacts in CT Imaging, Iterative reconstruction. Dose reduction	Daniella Fabri, UC
15:15-15:45	Coffee Break	
15:45-17:15	MR for RT and Limitations of MR Imaging	Clarissa Gillmann/Yannick Berker, DKFZ
17:15-18:15	Cone Beam CT (kV and MV Imaging)	Oliver Jäkel, DKFZ
18:15-18:30	Course revision	All

**Wednesday April 03<sup>rd</sup> 2019**

Time	Topic	Speaker
9:00	Registration	
9:10-10:45	MR-Linac: Concept and Devices	Oliver Jäkel, DKFZ
10:45-11:15	Coffee Break	
11:15-12:45	CT for RT and Limitations of CT Imaging	Karla Torzok, FALP
12:45-13:45	Lunch Break	
13:45-14:45	Medical image processing: current technologies and topics	Marco Nolden, DKFZ
14:45-15:30	MR Spectroscopy	Heinz Schlemmer, DKFZ
15:30-16:00	Coffee Break	
16:00-16:45	Case presentations of imaging datasets	Kristin Lang, University Hospital Heidelberg
16:45-17:00	Course revision and closing	All



## Summer School Medical Physics „Imaging for Radiotherapy“

### Speakers:

- Yannick Berker, PhD  
*German Cancer Research Center (DKFZ) Heidelberg, Germany*
- Daniella Fabri Genskowsky, PhD  
*Facultad de Física, Pontificia Universidad Católica de Chile (UC), Chile*
- Clarissa Gillmann, PhD  
*German Cancer Research Center (DKFZ) Heidelberg, Germany*
- Fernando Gonzalez, MD  
*Clinica Alemana, Santiago de Chile*
- Prof. Oliver Jäkel, PhD  
*German Cancer Research Center (DKFZ) Heidelberg, Germany*
- Kristin Lang, MD  
*Heidelberg University Hospital, Heidelberg, Germany*
- Philipp Mann, PhD  
*German Cancer Research Center (DKFZ) Heidelberg,*
- Marco Nolden, PhD  
*German Cancer Research Center (DKFZ) Heidelberg, Germany*
- Prof. Heinz Schlemmer, PhD  
*German Cancer Research Center (DKFZ) Heidelberg, Germany*
- Karla Torzok, PhD  
*Fundación Arturo López Pérez (FALP) Santiago, Chile*

### Venue and Contact

Johanna Höhl, PhD  
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Programas Centro de Excelencia

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