OncoRay – National Center for Radiation Research in Oncology, Dresden

WELCOME







Wifi:

Network: UKD_Dozent

Username: ukd-guest536

Password: mvhffjs3



is also available









OncoRay – National Center for Radiation Research in Oncology, Dresden

Welcome note

7th International workshop for planning and delivery of radiotherapy to non-static targets

Antje Knopf, Christoph Bert, Kristin Stützer, Christian Richter









Outline



Where we are

...brief info about OncoRay

Who we are

- ...participants
- What we will be doing
- ... organizational infos

Some facts about OncoRay



- Funded in 2004 with federal funding
- Joint center operated and supported by:
 - Technical University Dresden
 - Helmholtz-Center Dresden-Rossendorf
 - University Hospital Carl Gustav Carus



- 2010 Nominated National center for Radiation research in Oncology (together with HIRO/DKFZ in Heidelberg)
- Focus: Preclinical and clinical translational research in radiation oncology



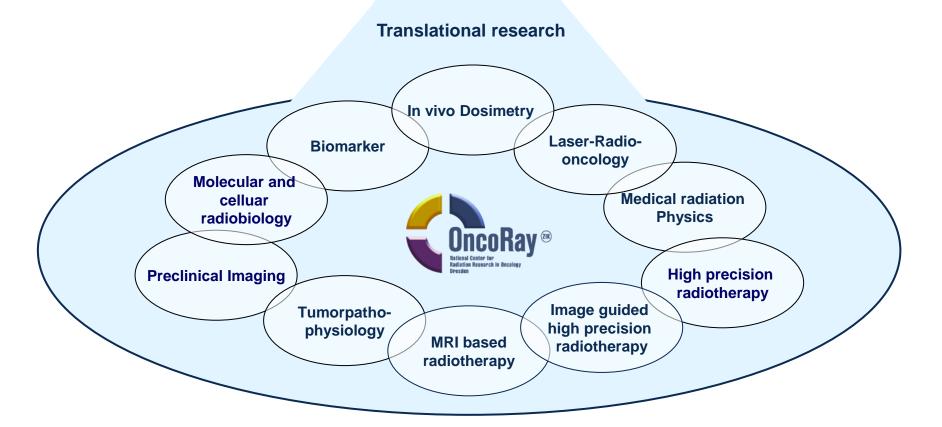




OncoRay research groups



Improved treatment of cancer by means of biologically individualized, technically optimized radiotherapy.



The Dresden proton facility



- Full integration in existing clinical infrastructure
- One clinical treatment room
- Research infrastructure in the same building (animal lab, small animal imaging+irradiation, physics and radiobiological research)

	First beam in treatment room Start clinical commissioning
	Start of building construction
xx.01.2011	Contract signed with IBA
01.04.2010	Start of tendering procedure

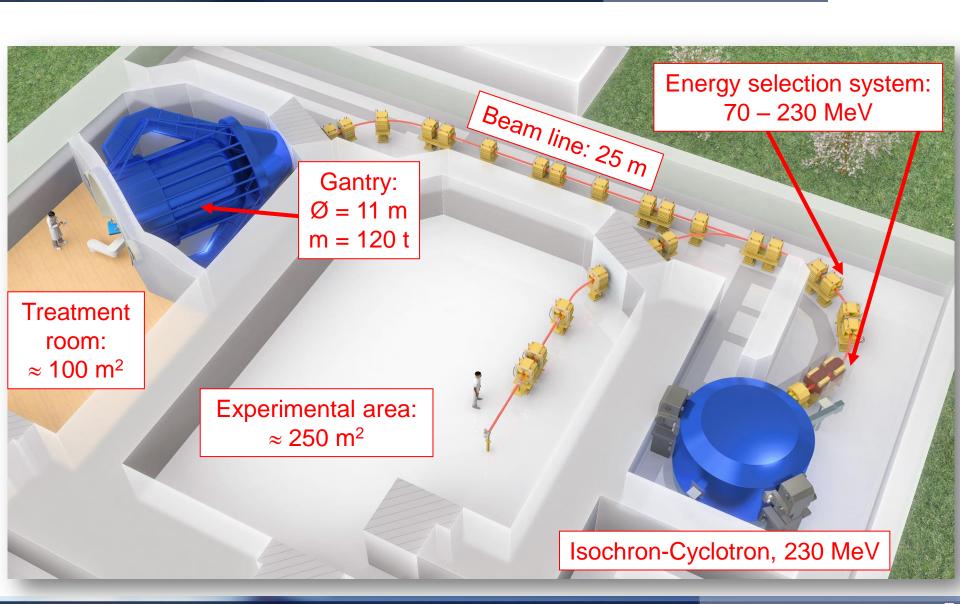






The Dresden proton facility





The Dresden proton facility







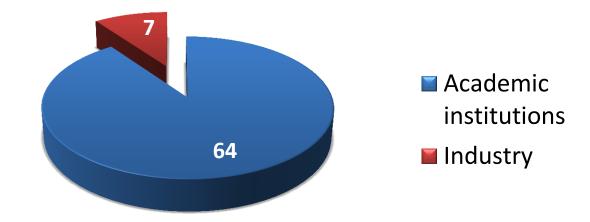
Who we are

... some statistics about participants and abstracts

Registrations



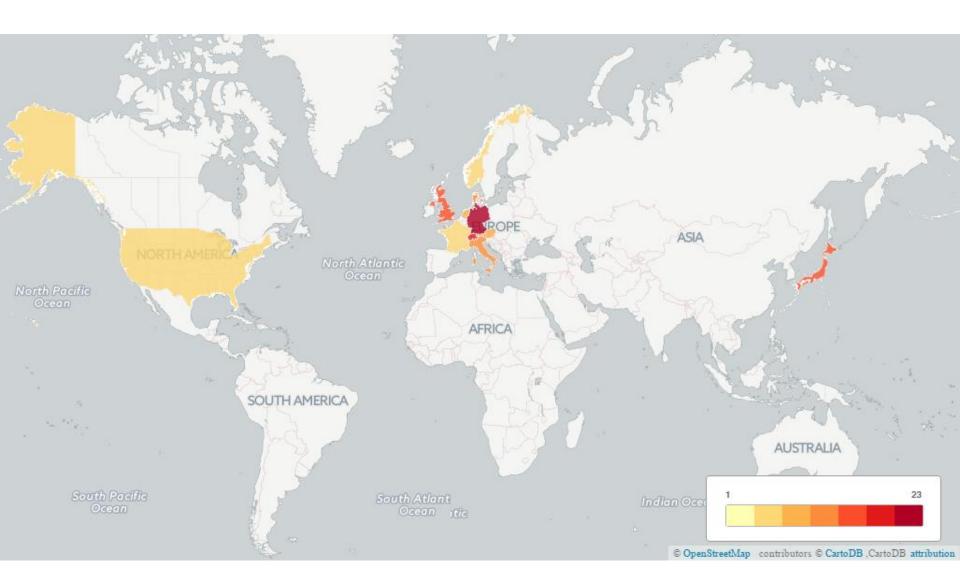
71 participants



- 64 participants from academic institutions:
 - From 31 research institutes
 - From 11 countries

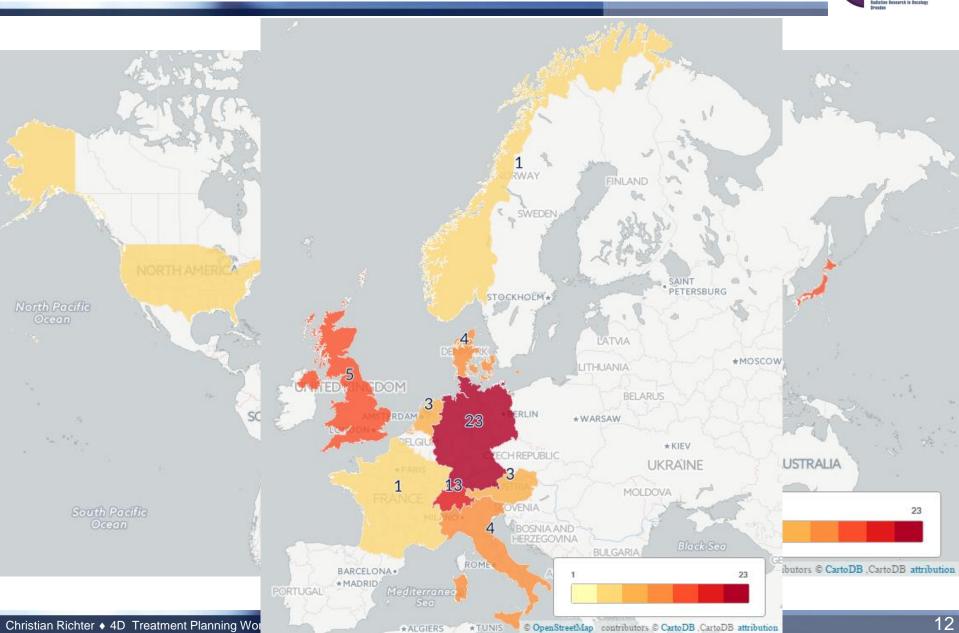
Countries of origin (academic participants)





Countries of origin (academic participants)





Industry representatives



7 representatives (from 12 companies invited)











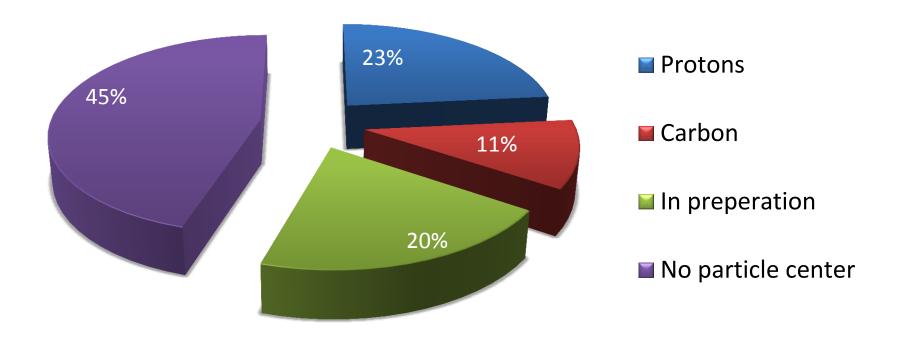




Academic participants: Particle vs. Non-Particle



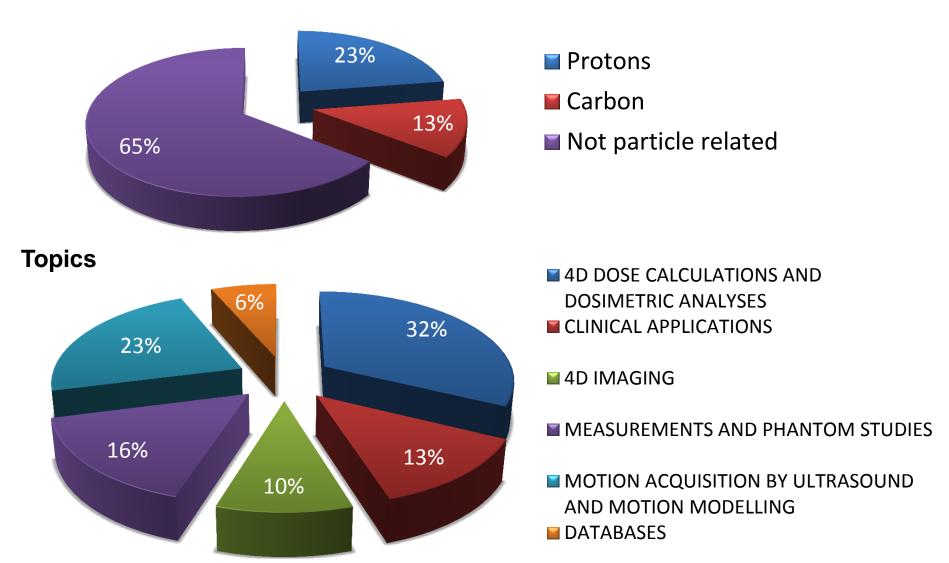
Participants from particle centers



Abstracts



Particle vs. Non-Particle





What we will be doing the next two days

... some organizational infos

Today morning



THURSDAY, 26 TH November 2015				
9:30	WELCOME NOTE			
10:00- 11:30	CURRENT CLINICAL PRACTICE			
	- REPORT ON A SURVEY ON 12 PARTICLE THERAPY CENTERS	ANTJE KNOPF (ICR LONDON)		
	- CLINICAL POINT OF VIEW AND GENERAL OVERVIEW	MICHAEL BAUMANN (ONCORAY DRESDEN)		
	- PRACTICAL EXPERIENCE AND NEEDS FROM A CLINICIANS POINT OF VIEW	STEPHANIE COMBS (TU MÜNCHEN)		
11:30- 13:00	Lunch			

Lunch





Today afternoon



THURSDAY, 26 TH NOVEMBER 2015				
13:00-14:30	4D + ROBUST TREATMENT PLANNING			
	 WHAT HAVE COMMERCIAL SYSTEMS TO OFFER — WHAT DO WE NEED? 4D MONTE CARLO ROBUST PLANNING AND MARGIN CONCEPTS: WHAT IS THE WAY TO GO? 	FRANCESCA ALBERTINI (PSI VILLIGEN) MARCUS ALBER (AARHUS UNIVERSITY) MISCHA HOOGEMAN (ERASMUS MC ROTTERDAM)		
14:30-17:00	COFFEE BREAK + POSTERS			
17:00-17:30	MOTION MONITORING – IGRT – ART (I)			
	- What can we learn from IGRT of photons?	ANNE RICHTER (UNIVERSITY HOSPITAL WÜRZBURG)		
17:45-18:30	SITE TOUR			
19:30	Conference Dinner			

Workshop Dinner





19:30 Workshop Dinner



Direct route from OncoRay:

Tram #12 to Leutewitz, exit Postplatz

⇒ If you want: Let's meet 6:50 pm in the Lobby



Tomorrow

FRIDAY, 27 TH NOVEMBER 2015					
08:30-09:30	MOTION MONITORING - IGRT - ART (II)				
	 Integration of new imaging capabilities in proton therapy What is new in motion monitoring and motion modelling 	TONI LOMAX (PSI VILLIGEN) GUIDO BARONI (POLITECNICO DI MILANO)			
09:30-10:00	COFFEE BREAK				
10:00-11:30	MOTION MODELLING AND DEFORMABLE REGISTRATION				
	- New developments and improvements in DIR	HUGO FURTADO (MEDICAL UNIVERSITY OF VIENNA)			
	- Relating motion to external surrogates	DANIEL LOW (UCLA)			
	 How to verify DIR? Can we use DIR in the clinic and for which purpose? 	DAVE HAWKES (UNIVERSITY COLLEGE LONDON)			
11:30-13:00	Lunch				
13:00-14:30	4D DOSIMETRY				
	Overview in vivo verification including 4D capabilities	WOLFGANG ENGHARDT (ONCORAY DRESDEN)			
	 4D simulation of secondary emissions for in vivo verification 	KATIA PARODI (LMU MUNICH)			
	- Prompt-Gamma techniques and its 4D capabilities	GUNTRAM PAUSCH (ONCORAY DRESDEN)			
14:30-14:45	Coffee Break				
14:45-15:45	PANEL DISCUSSION				
15:45-16:00	SUMMARY Report, Poster award, Location & focus next year				



It is about your comments & questions





Enjoy the workshop, enjoy your stay in Dresden









1) Fried potato patty

with salad and chive (vegetarian) (upstairs)

2) Baked Coalfish

with spinach-cheese-filling, mashed potatos and cucumber salad *(upstairs)*

Gourmed) Thai-like beef stripes with rise and chinese cabbage (downstairs)