

5.12.2024		
11.30 am – 12.30 pm		<i>Registration and Lunch Snacks</i>
12.30 pm – 12.45 pm	Prof. Esther Troost	Welcome
Proton therapy in Dresden (moderation: Prof. Mechthild Krause)		
12.45 pm – 1.05 pm	Prof. Michael Baumann	Development of proton therapy in Dresden
1.05 pm – 1.25 pm	Prof. Wolfgang Enghardt	Development of physics infrastructure and technology for an academic proton therapy center
Proton therapy centers (moderation: Stefan Pieck)		
1.25 pm – 1.45 pm	Prof. Cai Grau	International and multidisciplinary cooperation – important factors for success in proton therapy
1.45 pm – 1.55 pm	Dr. Tanja Eichkorn	Understanding Radiation-induced Contrast Enhancements in Patients with Brain Tumors following Proton Radiotherapy
1.55 pm – 2.05 pm	Dr. Ronald Richter	Insights into the Largest European Programme for Paediatric Radiotherapy – Experiences from the West German Proton Therapy Center Essen
2.05 pm – 2.15 pm	Prof. Sebastian Adeberg	Clinical evidence in particle therapy
2.15 pm – 2.25 pm	Prof. Mechthild Krause	Proton therapy in Dresden: Clinical and scientific achievements
2.25 pm – 2.40 pm		<i>Coffee Break</i>
Radiobiology (moderation: Prof. Anna Dubrovskaja)		
2.40 pm – 3.00 pm	Prof. Heidi Lyng	Future directions in biology-guided radiotherapy and new opportunities with protons
3.00 pm – 3.20 pm	Prof. Anna Dubrovskaja	Clinically easy-to-implement options for combining proton irradiation and therapeutic targeting
3.20 pm – 3.40 pm	Prof. Rob Coppes	Normal tissue response to protons at the single-cell level, options for intervention
3.40 pm – 3.55 pm	Dr. Martin Janson	RayStation – 10 years of Innovation in Proton Therapy
3.55 pm – 4.10 pm		<i>Coffee Break</i>

Physics (moderation: Dr. Toni Kögler)		
4.10 pm – 4.30 pm	Prof. Christian Richter	10 years of proton therapy in Dresden: Achievements and outlook of translational physics research
4.30 pm – 4.50 pm	Dr. Lena Nenoff	Realization of gantry-based online-adaptive proton therapy: The ProtOnART consortium and beyond
4.50 pm – 5.10 pm	PD Dr. Hermann Fuchs	Magnetic field effects on proton beam transport, dosimetry and radiobiological effectiveness
5.10 pm – 5.30 pm	Prof. Aswin Hoffmann	The future of proton therapy is MR-guided
From 5.55 pm		Guided tours to PT facility: Meeting point OncoRay Foyer

6.12.2024		
Studies, Translation (moderation: Prof. Christian Richter)		
9.00 am – 9.20 am	Prof. Steven J. Frank	Phase III Randomized Trial of IMPT vs IMRT for Advanced Stage Head and Neck Oropharyngeal Cancer
9.20 am – 9.40 am	Prof. Hans Langendijk	Evidence-based proton therapy
9.40 am – 10.40 am	Prof. Steven Frank / Prof. Cai Grau / Prof. Hans Langendijk	Debate: Generating evidence – randomized controlled trials and model-based approach – what have we learned?
10.40 am – 11.00 am		<i>Coffee Break</i>
Vision (moderation: Prof. Mechthild Krause)		
11.00 am – 11.20 am	Olivier Legrain	Proton therapy beyond 2030
11.20 am – 11.40 am	Prof. Thomas Bortfeld	Vision for the future of proton therapy
11.40 am – 12.00 pm	Prof. Esther Troost	Creating evidence for particle therapy – future steps
12.00 pm – 12.10 pm	Prof. Mechthild Krause	Closing remarks
12.20 pm – 1.00 pm		<i>Lunch snacks</i>
From 1.00 pm		Guided tours to PT facility: Meeting point OncoRay Foyer