

# Particle Therapy

## January 25 – 26, 2024

### Kinne Auditorium

<b>Thursday</b>	<b>January 25, 2024</b>
8:30 a.m.	Registration
9:00 a.m.	Welcome & Overview <i>Hoppe, Beltran, Kim, Vallow, M.D.</i>
9:30	<i>Evidence Based Guidelines for CIT in Asia</i> QST representative, M.D.
10:00	<i>Evidence Based Guidelines for CIT in Europe</i> Juergen Debus, Heidelberg, M.D.- University of Heidelberg
10:30	Panel Discussion- Moderator (Hoppe)
11:00	Q&A
11:15	<i>The role of CIRT in Pediatric Cancers</i> Matt Krasin MD St. Jude, TN
11:30	<i>Radiation Sensitivity Index as a patient selection tool for Carbon Ion radiotherapy</i> Javier Torres-Roca MD Moffitt Cancer Center, Fl
12:00 p.m.	Lunch
1:00	<i>RBE modeling- MKM</i> Taku Inaniwa, PhD, QST Hospital, Japan
1:30	<i>RBE modeling- LEM</i> Thomas Friedrich PhD, GSI, Germany
2:00	<i>RBE modeling- Florida model</i> Keith Furutani PhD, Mayo Clinic Florida
2:30	Discussion- Moderator- Chris Beltran PhD, Mayo Clinic Florida
3:15	Break & Exhibits
3:30	<i>National Implementation of heavy ion projects- Italy</i> Ester Orlandi, MD, CNAO, Italy
3:50	<i>National implementation of heavy ion projects- Austria</i> Eugen Hug, M.D., MedAustron, Austria
4:10	<i>National implementation of heavy ion projects- Taiwan</i> Kengli Lan MD, PhD, Taipei Veterans General Hospital, Tai Pei, Taiwan
4:30	<i>National implementation of heavy ion projects- South Korea</i> Ik Jae Lee MD, Yonsei Cancer Center, South Korea
4:50	<i>Carbon ion Commissioning at Yonsei Cancer Center- South Korea</i> Jin Sung PhD, Yonsei Cancer Center, South Korea
5:10	Q&A
5:30	Adjourn
<b>Friday</b>	<b>January 26, 2024</b>
7:30 a.m.	Registration / Breakfast
8:00	<i>Personalized particle therapy: Deciphering response mechanisms and exploiting Achilles heels</i> Rob Mutter, MD, Mayo Clinic, MN

8:20	<i>Effects of particle radiation, protons and carbon ions, using novel cerebral brain organoids cultured with or without glioma stem-like cells</i> David Grosshans, MD, MD Anderson Cancer Center, TX
8:40	<i>Relative Immunological Effectiveness (RIE) of CIRT</i> Chandan Guha, MD, PhD, Montefiore Medical Center, NY
9:00	<i>Strategic Targeting of the DNA Repair Pathways to Enhance Charged Particle Radiotherapy</i> Michael Story, PhD, UTSW, TX
9:20	<i>Choosing the Right Ion: Preclinical Research at the Columbia University Radiological Research Accelerator Facility</i> Sally Amundson, PhD & David Brenner, PhD, Columbia University, NY
10:00	NCI vision for Heavy Ion Particle Research Jeff Buchsbaum MD, PhD NCI
10:20	Break & Exhibits
10:30	<i>Cooperative Group Trials &amp; HITRIplus (Europe)</i> Piero Fossati MD, MedAustron, Austria
11:00	<i>Cooperative Group Trials &amp; J CROSS (Japan)</i> QST representative
11:30	Discussion Panel- Can we achieve multi-continent clinical trial?
12:15	Lunch
1:00	<i>Ensuring Appropriate and Equitable Access to Carbon Ion Radiation Therapy for All Patients</i> Oluwadamilola Oladeru, MD, Mayo Clinic Florida
1:20 pm	<i>BNCT Present and future applications</i> Ester Orlandi MD, CNAO, Italy
1:40 pm	<i>Contemporary Use of Neutron Therapy</i> Upendra Parvathaneni MD, University of Washington, WA
2:00 pm	<i>What is the future of CIRT and how do we accelerate CIRT growth in the US?</i> Eugen Hug MD, MedAustron, Austria
2:15 pm	<i>What is the future of CIRT and how do we accelerate CIRT growth in the US?</i> Anita Mahajan, MD, Mayo Clinic Rochester
2:30 pm	<i>What is the future of CIRT and how do we accelerate CIRT growth in North America?</i> Jan Seuntjens PhD, Princess Margaret Cancer Center, Canada
2:45	Discussion Panel-Moderator Bradford Hoppe MD Mayo Clinic Florida
3:00	Adjourn