

**Fourth International
Chordoma Research Workshop**

Agenda

Wednesday, March 20

6:00pm – 8:00pm	Registration Location: 3 rd Floor Rotunda
7:00pm – 9:00pm	Welcome Reception Location: Catwalk Bar on 3 rd Floor Rotunda

Thursday, March 21

7:00am – 4:30pm	Registration Location: Liberty Ballroom Foyer – 2 nd Floor
7:00am – 8:00am	Continental Breakfast Location: Liberty Ballroom Foyer – 2 nd Floor
8:00am – 8:10am	Opening Session: Welcome and introductions Location: Liberty Ballroom – 2 nd Floor
8:10am – 8:30am	<i>Overview of chordoma and the State of the Art of Chordoma Clinical Management</i> <i>Fran Hornicek, Massachusetts General Hospital</i>
8:35am–11:55am	Session I: Genetics & Genomics of Chordoma Moderator: Paul Meltzer, National Cancer Institute
8:35am – 8:55am	Characterization of genetic variants in the T gene in familial and sporadic chordoma <i>Rose Yang, National Cancer Institute</i>
8:55am - 9:15am	Identification of somatically acquired mutations in chordoma exomes <i>Patrick Tarpey, Wellcome Trust Sanger Institute, UK</i>
9:15am - 9:35am	Whole genome sequencing of chordoma <i>Stephen Yip, BC Cancer Agency, Canada</i>
9:35am - 9:55am	High resolution whole genome analysis of skull base chordomas implicates FHIT loss in chordoma pathogenesis <i>Roberto Diaz, University of Toronto, Canada</i>
9:55am - 10:15am	Discussion
10:15am-10:30am	BREAK
10:30am-10:50am	Do immunological events play a role in chordoma? <i>Soldano Ferrone, Massachusetts General Hospital</i>
	Session I: Genetics & Genomics of Chordoma Continued Moderator: Paul Meltzer, National Cancer Institute
10:50am-11:10am	DNA Methylation markers in chordoma <i>Beate Rinner, Medical University of Graz, Austria</i>
11:10am-11:30am	A molecular analysis identifies chondrogenesis as the driving mechanism of chordoma <i>Yair Benita, Massachusetts General Hospital</i>
11:30am-11:40am	The effects and expression profiling of microRNAs in chordomas <i>Sukru Gulluoglu, Yeditipe University, Turkey</i>
11:40am-11:55pm	Discussion

12:00pm-12:50pm	LUNCH Location: Buffet Lunch Served on 5th Floor Rotunda
12:50pm-2:05pm	Session II: Molecular Biology of Chordoma Moderator: Justin Cates, Vanderbilt University
12:50pm - 1:10pm	DJ-1/PARK7 regulates oxidative stress in chordoma cells <i>Deric Park, University of Virginia</i>
1:10pm - 1:30pm	Stem cells in chordomas: delineating mediators of self-renewal and tumor-initiation <i>Sagar Shah, Johns Hopkins University</i>
1:30pm - 1:45pm	Histone Deacetylase inhibitors in chordomas: an immunohistochemical and functional analysis in MUG-chor1 <i>Susanne Scheipl, Medical University of Graz, Austria</i>
1:45pm – 2:05pm	Discussion
2:05pm – 2:25pm	BREAK
2:25pm - 4:15pm	Session III: Brachyury and Chordoma Moderator: Michael Kelley, Duke University
2:25pm - 2:55pm	Control of notochord gene expression by Brachyury: lessons from a sea squirt <i>Anna DiGregorio, Cornell</i>
2:55pm - 3:15pm	The Role of Brachyury in Tumor Progression <i>Claudia Palena, National Cancer Institute</i>
3:15am – 3:35pm	The role of brachyury in chordoma pathogenesis and as a therapeutic target <i>Adrienne Flanagan, University College London, UK</i>
3:35pm – 3:55pm	Targeting Brachyury Using A Lipid-based Nanoparticle Delivery System for shRNA Inhibits Chordoma Cell Growth In Vitro <i>Wesley Hsu, Wake Forest University</i>
3:55pm – 4:15pm	Discussion
4:15pm – 4:30pm	BREAK
4:30pm – 5:30pm	Session IV: Model Development & Characterization Moderator: Brian Harfe, University of Florida
4:30pm – 4:50pm	Can the embryonic notochord model chordoma? <i>Cheryle Seguin, University of Western Ontario, Canada</i>
4:50pm – 5:10pm	Developing a Zebrafish Chordoma Model <i>Andreas Fritz, Emory University</i>
5:10pm – 5:30pm	Development of a genetically engineered mouse model <i>David Alcorta, Duke University</i>
5:30pm -5:35pm	ATCC Chordoma Cell Line Collection <i>Matt Klusas, ATCC</i>
5:35pm – 5:55pm	Discussion
5:55pm – 6:00pm	WRAP UP
6:00pm – 7:20pm	Reception and Poster Session Location: 5th Floor Esplanade and Rotunda
7:30pm – 9:00pm	DINNER Location: Liberty Ballroom – 2nd Floor

Friday, March 22

7:30am – 4:30pm	Registration Open
7:30am – 8:00am	Continental Breakfast Location: Liberty Ballroom Foyer – 2nd Floor
8:00am – 8:05am	Opening Location: Liberty Ballroom – 2nd Floor
8:05am – 8:25am	Chordoma Foundation Research Strategy <i>Josh Sommer, Chordoma Foundation</i>
8:25am – 10:05am	Session V: Preclinical Treatment Development Moderator: Deric Park, University of Virginia
8:25am - 8:45am	Role of MicroRNA-1 (miR-1) in chordoma and its therapeutic potential <i>Zhenfeng Duan, Massachusetts General Hospital</i>
8:45am - 9:05am	Identification of Repurposed Drugs for Chordoma Therapy <i>Menghang Xia, NCATS/NIH</i>
9:05am - 9:25am	In vivo testing in a patient derived chordoma xenograft model <i>Gary Gallia, Johns Hopkins University</i>
9:25am - 9:45am	Kinase inhibitor screening <i>Adrienne Flanagan, UCL, UK</i> <i>David Drewry, GlaxoSmithKline</i> <i>Bill Zuercher, GlaxoSmithKline</i>
9:45am – 10:05am	Discussion
10:05am-10:25am	BREAK
10:25am-12:00pm	Session VI: Clinical Trials Moderator: Michael Kelley, Duke University
10:25am - 10:55am	Current state of clinical trials, update on Lapatinib and Sirolimus/Imatinib trials, New trials, European Clinical Trials Network <i>Silvia Stacchiotti, Istituto dei Tumori, Milan, Italy</i>
10:55am - 11:15am	First-in-human phase 1 trial of a recombinant yeast vaccine genetically modified to express Brachyury <i>Chris Heery, National Cancer Institute</i>
11:15am - 11:35am	Phase I Study of a Novel Hypoxia Targeting Agent for the Treatment of Solid Tumors <i>Chetan Bettegowda, Johns Hopkins</i> <i>Saurabh Saha, BioMed Valley Discoveries</i>
11:35am - 12:05pm	Discussion: Prioritizing Clinical Trials Discussants: Edwin Choy, Massachusetts General Hospital Based on what's known about chordoma, what approaches or agents make sense to test in clinical trials?
12:05pm-12:20pm	Group Photo Location: Liberty Hotel Atrium
12:20pm – 1:10pm	LUNCH Location: Buffet Lunch Served on 5th Floor Rotunda

1:20pm – 2:05pm	Session VII: Clinical Research Strategy Moderator: Josh Sommer, Chordoma Foundation
1:20pm – 1:35pm	Collaborating with SARC: A Sarcoma Clinical Trials Consortium <i>Denise Reinke, Sarcoma Alliance for Research through Collaboration</i>
1:35pm – 2:05pm	Discussion: Clinical Trial Design and Coordination What clinical trial designs make sense for chordoma? Do we know appropriate end points for chordoma clinical trials? What opportunities exist to facilitate and coordinate trials across centers? Discussants: <i>Peter Hohenberger, University of Heidelberg, Germany</i> <i>Silvia Stacchiotti, Istituto dei Tumori, Milan, Italy</i> <i>Tim Rodell, Globeimmune</i>
2:10pm – 3:40pm	Session VIII: Outcomes and Natural History Research Moderator: Bradford Hirsch, Duke University
2:10pm – 2:30pm	AOSpine Tumor Knowledge Forum Biobank <i>Chetan Bettegowda, Johns Hopkins</i>
2:30pm – 2:50pm	Prospective chordoma patient database: a European initiative <i>Carmen Vleggeert-Lankamp, University of Leiden, Netherlands</i>
2:50pm – 3:10pm	Beyond the Surgical Treatment – Developing Novel Interactive Tools for Patient-reported Quality of Life Data Collection <i>Kathryn Hess and Joe Schwab, Massachusetts General Hospital</i>
3:10pm – 3:40pm	Discussion: Defining Natural History How can registries or natural history studies be designed to provide the information needed to improve patient care and inform appropriate end points for chordoma clinical trials? Discussants: <i>Dianne Finkelstein, Massachusetts General Hospital</i>
3:40pm – 4:00pm	BREAK
4:00pm – 5:10pm	Session IX: Emerging Treatment Paradigms Moderator: Tom Delany, Massachusetts General Hospital
4:00pm – 4:20pm	Novel mechanisms of response for stereotactic radiosurgery. Food for thought for the management of Chordomas <i>Josh Yamada, Memorial Sloan Kettering</i>
4:20pm – 4:40pm	Updates on Proton Clinical Trials for Chordomas <i>Tom DeLaney, Massachusetts General Hospital</i>
4:40pm – 5:10pm	Discussion: Role of Neoadjuvant Therapy in Surgically Resectable Chordomas Discussants: <i>Fran Hornicek, Massachusetts General Hospital</i> <i>Mrinal Gounder, Memorial Sloan Kettering</i>
5:10pm-5:50pm	Group Brainstorming: Reflect on presentations and identify key areas for future investigation
5:50pm – 6:00pm	CLOSING
6:30pm - 9:30pm	DINNER with Chordoma Patient Community Location: Wyndham Boston Beacon Hill, 15th floor, Beacon Hill Ballroom (5 Blossom Street - three blocks east of the Liberty Hotel) - Uncommon Research Awards - Live Jazz Entertainment