

Third International  
Chordoma Research Workshop

# Agenda

Wednesday, March 16

**7:00pm – 9:00pm**    **Welcome Reception**  
**Where:** Hotel Bar (on the main level across from hotel restaurant)  
*Note: Soft drinks and hors d'oeuvres will be provided, cash bar for alcoholic beverages*

Thursday, March 17

**7:00am – 8:00am**    **Registration and Continental Breakfast**  
**Where:** Foyer outside of Salon E Ballroom

**8:00am – 8:15am**    **Opening Session:** Welcome and introductions.  
**Where:** Salon E Ballroom

**8:15am – 9:50am**    **Session I: Overview of Chordoma** **Moderator: Michael Kelley**  
**Where:** Salon E Ballroom

8:15am - 8:30am    State of the Art of Chordoma Clinical Management  
*Fran Hornicek, MD, PhD*

8:35am - 8:50am    Update on the Epidemiology of Chordoma: SEER Registry Data 1973-2007  
*Mary McMaster, MD*

8:55am - 9:10am    Overview of Chordoma Pathology  
*Petur Nielsen, MD*

9:15am - 9:30am    The notochord and chordoma  
*Brian Harfe, PhD*

9:30am - 9:50am    Discussion

**9:50am - 10:05am**    **BREAK**

**10:10am-11:30pm**    **Session II: Genetics & Genomics of Chordoma** **Moderator: Michael Kelley**  
**Where:** Salon E Ballroom

10:10am - 10:30am    Identification of a major susceptibility gene, T (brachyury), for familial chordoma using combined linkage and array-CGH approaches.  
*Rose Yang, PhD, MPH*

10:30am - 10:50am    Whole Exome Resequencing for the Identification of Somatic Variants in Chordoma.  
*Patrick Tarpey, PhD*

10:50am - 11:10am    Sequencing and Analysis of the Kinome of Chordoma Tumor/Normal Pairs  
*Jim Mullikin, PhD*

11:10am - 11:30am    Discussion

**11:30am-12:00pm**    **Pick up boxed lunches**  
**Where:** Foyer outside Salon E  
*Return to Salon E for lunch and continuation of Session II*

**12:00pm-1:20pm**    **Session II cont: Genetics & Genomics of Chordoma** **Moderator: Michael Kelley**  
**Where:** Salon E Ballroom

12:00pm - 12:20pm	Whole exome and transcriptome sequencing of chordoma at BC Cancer Agency – A work in progress <i>Stephen Yip, MD, PhD</i>	
12:20pm - 12:40am	Towards a molecular model of Chordoma <i>Slim Sassi, PhD</i>	
12:40am – 1:00pm	Genotyping of chordomas for oncogene mutations <i>Fran Hornicek, MD, PhD</i>	
1:00pm – 1:20pm	Discussion	
<b>1:20pm – 1:40pm</b>	<b>BREAK</b>	
<b>1:45pm – 3:05pm</b>	<b>Session III: Molecular Biology of Chordoma</b> <b>Where: Salon E Ballroom</b>	<b>Moderator: Justin Cates</b>
1:45pm – 2:25pm	Role of Cancer Stem-Like Cells in Chordoma <i>Wesley Hsu, MD</i>	
2:05pm – 2:25pm	Dysregulation of apoptotic pathway/s in chordoma: Search for prognostic markers and study of FAS and FASL involvement in zebrafish models <i>Paola Riva, PhD</i>	
2:25pm – 2:45pm	Brachyury as a target for T-cell mediated immunotherapy <i>Claudia Palena, PhD</i>	
2:45pm – 3:05pm	Discussion	
<b>3:05pm – 3:20pm</b>	<b>BREAK</b>	
<b>3:20pm – 5:00pm</b>	<b>Session IV: Molecular Biology of Chordoma</b> <b>Where: Salon E Ballroom</b>	<b>Moderator: Justin Cates</b>
3:20pm – 3:40pm	In vivo and In vitro Implication of the Transcription Factor T (Brachyury) in pathogenesis of Sporadic Chordomas <i>Adrienne Flanagan, MD, FRCPath, PhD</i>	
3:40pm – 4:00pm	Bioinformatics analysis of Brachyury gene expression <i>David Alcorta, PhD</i>	
4:00pm – 4:20pm	Role of Brachyury in determining cell fate of notochord progenitors <i>Jianjian Zhu, MD, PhD</i>	
4:20pm – 4:40pm	Brachyury in embryonic notochord formation and cell migration – insights into chordoma formation and cancer metastasis? <i>Fiona Wardle, PhD</i>	
4:40pm – 5:00pm	Discussion	
<b>5:00pm – 5:10pm</b>	<b>Wrap Up and Summary</b> <i>Josh Sommer</i>	
<b>5:10pm – 5:30pm</b>	<b>BREAK</b>	
<b>5:30pm – 7:00pm</b>	<b>Reception and Poster Session</b> <b>Where: Salon E Ballroom</b> <b>Note: Soft drinks and hors d' oeuvres will be provided, cash bar for alcoholic beverages</b>	
<b>7:00pm – 9:00pm</b>	<b>DINNER</b> <b>Where: White Oak</b> <b>Message from the Chordoma Foundation: Heather Lee and Josh Sommer</b>	

Friday, March 18

<b>7:30pm – 8:00am</b>	<b>Continental Breakfast</b> <b>Where: Salon E Ballroom</b>	
<b>8:00am – 8:10am</b>	<b>Welcome</b> <b>Where: Salon E Ballroom</b>	
<b>8:15am – 10:25am</b>	<b>Session V: Model Systems</b> <b>Where: Salon E Ballroom</b>	<b>Moderator: Adrienne Flanagan</b>
8:15am - 8:35am	A Primary Chordoma Xenograft <i>David Loeb, MD, PhD</i>	
8:35am - 8:55am	Establishment and Characterization of a Primary Human Chordoma Xenograft Model <i>Garry Gallia, MD, PhD</i>	
8:55am - 9:15am	Preclinical models for chordoma <i>Fabio Bozzi, PhD</i>	
9:15am - 9:35am	Establishment of chordoma cell lines <i>Silke Bruederlein, PhD</i>	
9:35am - 9:55am	Establishment and detailed characterization of a novel sacral chordoma cell line: MUG-Chor1 chordoma cell line <i>Beate Rinner, PhD</i>	
9:55am - 10:25am	Discussion	
<b>10:25am-10:40am</b>	<b>BREAK</b>	
<b>10:40am-12:00pm</b>	<b>Session VI: Targeted Treatment Development</b> <b>Where: Salon E Ballroom</b>	<b>Moderator: Deric Park</b>
10:40am - 11:00am	High-Throughput Small Molecule Screening in Chordoma <i>Chris Austin, MD</i>	
11:00am - 11:20am	Targeting CSPG4 in Chordoma <i>Joe Schwab, MD, MS</i>	
11:20am - 11:40am	Grp94-specific fully human monoclonal antibody-based immunotherapy <i>Soldano Ferrone, MD, PhD</i>	
11:40am - 12:00pm	Discussion	
<b>12:00pm- 12:15pm</b>	<b>Group Photo</b>	
<b>12:15pm –1:15pm</b>	<b>LUNCH</b> <b>Where: White Oak (downstairs)</b>	
<b>1:30pm – 3:00pm</b>	<b>Session VII: Targeted Therapies</b> <b>Where: Salon E Ballroom</b>	<b>Moderator: Sandra Silberman</b>
1:30pm – 1:50pm	Latest advances in targeted chemotherapy for chordomas <i>Silvia Stacchiotti, MD</i>	
1:50pm – 2:10pm	Translating chordoma in vitro growth to development of targeted therapies <i>Deric Park, MD</i>	

2:10pm – 2:30pm	Results of a phase II trial of dasatinib, a src kinase inhibitor, in patients with chordoma. <i>Scott Schuetze, MD, PhD</i>
2:30pm – 3:00pm	Discussion
<b>3:00pm – 3:15pm</b>	<b>BREAK</b>
<b>3:20pm – 5:20pm</b>	<b>Session VIII: Treatment Advances</b> <span style="float: right;"><b>Moderator: Joe Schwab</b></span> <b>Where: Salon E Ballroom</b>
3:20pm – 3:40pm	Expanded endoscopic surgery for clival chordomas: A 7 year experience <i>Paul Gardner, MD</i>
3:40pm – 4:00pm	Surgical algorithm for resection of advanced spinopelvic malignancies <i>Peter Rose, MD</i>
4:00pm – 4:20pm	F-18 Misonidazole Scans to Assess Hypoxia in Patients with Chordoma: Preliminary Results <i>Tom DeLaney, MD</i>
4:20pm – 4:40pm	Preliminary Experience Using High Dose Proton Based Radiotherapy for Unresected Chordomas <i>Yen-lin Chen, MD</i>
4:40pm – 5:00pm	Very High Dose Stereotactic Radiosurgery: A New Paradigm in the Management of Chordomas of the Mobile Spine and Sacrum <i>Josh Yamada, MD FRCPC</i>
5:00pm – 5:20pm	Discussion
<b>5:20pm-6:00pm</b>	<b>Group brainstorming:</b> reflect on presentations; identify key areas for future investigation; and frame issues for break-out groups to consider <b>Discussants:</b> Michael Kelley, Justin Cates, Adrienne Flanagan, Deric Park, Sandra Silberman, Joe Schwab <b>Moderator:</b> Josh Sommer <b>Where: Salon E Ballroom</b>
<b>6:00pm – 6:30pm</b>	<b>BREAK</b>
<b>6:30pm - 9:15pm</b>	<b>DINNER with Chordoma Patient Community</b> <b>Where: White Oak</b> <b>Keynote Speaker:</b> <i>Sandra Silberman, MD, PhD - Vice president of Oncology Innovation, Quintiles</i> <i>With remarks by Ed Les MD, DVM – physician and chordoma survivor</i>

Saturday, March 19

<b>7:30am - 8:00am</b>	<b>Continental Breakfast</b> <b>Where: Brookside Foyer</b>	
<b>8:00am-10:00am</b>	<b>Breakout Discussion Groups</b> Clinical Management <b>Room: Brookside A</b> Mechanisms of Disease <b>Room: Brookside B</b> Therapeutic Development <b>Room: Glen Echo</b>	<b>Group Leaders</b> <i>Fran Hornicek &amp; Manuel Ferreira</i>  <i>Paul Meltzer &amp; Stephen Yip</i>  <i>Sandra Silberman &amp; Soldano Ferrone</i>
<b>10:00am-10:30am</b>	<b>BREAK</b>	
<b>10:30am-11:50am</b>	<b>Breakout Group Reports</b> <b>Where: Brookside A/B</b>	
10:30am – 10:50am	Clinical Management	
10:50am – 11:10am	Mechanisms of Disease	
11:10am – 11:30am	Therapeutic Development	
11:30am – 11:50am	Discussion	
<b>11:50am-12:10pm</b>	<b>Closing Remarks</b> <b>Where: Brookside A/B</b>	
<b>12:10pm- 12:30pm</b>	<b>BREAK</b>	
<b>12:30pm- 1:45pm</b>	<b>LUNCH with Chordoma Patient Community</b> <b>Where: White Oak</b>	