2008 Workshop Agenda

**DAY 1 - Thursday, April 3, 2008**

**Welcome, Introductions, and Goals for Workshop**

*Paul Meltzer, M.D., Ph.D., Center for Cancer Research, National Cancer Institute*

*Steve Groft, Pharm.D., Office of Rare Diseases, National Institutes of Health*

**Session I: Update on the 2007 Chordoma Research Roadmap**

*Moderator: Paul Meltzer, M.D., Ph.D.*

**Summary of First International Chordoma Research Workshop in May 2007**

*Francis Collins, M.D., Ph.D., National Human Genome Research Institute*

**Laying the Foundation—the Chordoma Foundation’s First Year and Beyond**

*Josh Sommer, Chordoma Foundation*

*Simone Sommer, M.D., M.P.H., Chordoma Foundation*

**Clinical Overview of Chordoma**

*Fran Hornicek, M.D., Ph.D., Massachusetts General Hospital*

**Session II: New Research on the Genetics and Genomics of Chordoma**

*Moderator: Francis Collins, M.D., Ph.D.*

**High-Resolution Profiling of the Chordoma Genome**

*Paul Meltzer, M.D., Ph.D.*

**Application of Expression Analysis to Chordoma**

*Mike Kelley, M.D., Duke University*

**TSC/mTOR Pathway in Chordomas**

*Vijaya Ramesh, Ph.D., Massachusetts General Hospital*

**Systems Approaches to Dissecting Signaling Pathways in Chordoma**

*Ramnik Xavier, M.D., Massachusetts General Hospital*

**Session III: Chordoma Development and Pathogenesis**

*Moderator: Justin Cates, M.D., Ph.D., Vanderbilt University Medical Center*

**Development of the Notochord**

*Derek Stemple, Ph.D., Wellcome Trust Sanger Institute*
Developing a Mouse Model for Chordoma  
Brian Harfe, Ph.D., University of Florida

The Tale of the Ferret: What We Know of Ferret Notochord and Chordoma  
Andrew Rosenberg, M.D., Massachusetts General Hospital

Clinical Results in a Series of 71 Clival Chordomas and Correlation of Survival to the Expression of E and N Cadherins  
Chandranath Sen, M.D., St. Luke’s Roosevelt Hospital

Potential Therapeutic Targets for Chordoma  
Nadege Presneau, Ph.D., University College London Cancer Institute

Session IV: Targeted Treatment Development  
Moderator: Chris Austin, M.D., National Human Genome Research Institute

Update of a Phase II Study of Sunitinib for Recurrent/Metastatic Chordoma and Other Sarcomas  
Robert Maki, M.D., Ph.D., Memorial Sloan-Kettering Cancer Center

In Vitro Characterization of Chordoma Cells  
Deric Park, M.D., University of Pittsburgh Cancer Institute

Rationale for Tyrosine Kinase Inhibitors in Chordomas  
Elena Tamborini, Ph.D., Fondazione IRCCS Istituto Nazionale dei Tumori

Developing Rationally Targeted Therapies for Chordoma: What Can Be Learned from Other Forms of Sarcoma?  
George Demetri, M.D., Dana-Farber/Harvard Cancer Center

Brachyury-Targeted T-Cell Immune Therapy for Chordoma  
Claudia Palena, Ph.D., National Cancer Institute

High-Throughput Small Molecule Screening in Chordoma  
Chris Austin, NIH Chemical Genomics Center

Poster Session Discussion  
Moderator: Chandranath Sen

A Long-Term Follow-up Study of Skull Base Chordomas Factors Influencing the Survival of Patients with Skull Base Chordoma  
Jie Tang, M.D., Beijing Tiantan Hospital

Prognostic Value of Cytogenetic Abnormalities in Skull Base Chordoma  
Svetlana Pravdenkova, M.D., University of Arkansas for Medical Sciences
Proton-Beam Irradiation in Treatment of Sacral Chordomas  
Lilia Loredo, M.D., Loma Linda University Medical Center

Carbon Ion Radiotherapy for Sacral Chordomas  
Tadashi Kamada

Carbon Ion Treatment Workflow and Future Radiation Therapy Concepts in the Treatment of Chordomas in Germany  
Anna Nikoghosyan, M.D, University of Heidelberg

Anatomic Study About the Construction, Distribution, and Anastomosis of Arteries that Supply Sacrum  
Huilin Yang, First Affiliated Hospital of Soochow University

Investigation of the Biomechanical Implications of Sacrectomy and Study of Biomechanical Rationale for Sacral Prosthesis After Total Sacrectomy  
Huilin Yang, First Affiliated Hospital of Soochow University

Ecchordosis Physaliphora Sphenooccipitalis Versus Benign Notochordal Cell Tumor  
Takehiko Yamaguchi, M.D., Ph.D., Sapporo Medical University School of Medicine

Dinner and Guest Speaker: From Bench to Bedside—the Development ErbB2  
Neil Spector, M.D., Duke University Cancer Center

DAY 2 - Friday, April 4, 2008

Session V: Local Control of Chordoma  
Moderator: Fran Hornicek, M.D., Ph.D.

Surgical Advances for Chordomas in Base of Skull Surgery  
Amin Kassam, M.D., University of Pittsburgh Medical Center

Surgical Advances for Chordoma of the Spine  
Jean-Paul Wolinsky, M.D., Johns Hopkins University

Radiation Therapy in the Management of Chordomas  
Tom DeLaney, M.D., Massachusetts General Hospital

Session VI: New Approaches to Chordoma Therapy  
Moderator: Deric Park

Liposomes: A Platform for Imaging and Treating Chordoma  
Srinivasan Mukundan, Ph.D., M.D., Duke University Medical Center
Can the HMW-MAA Help Us Counteract the Immunoescape Mechanisms Used by Tumor Cells?
Soldano Ferrone, M.D., Ph.D., University of Pittsburgh Medical Center

Signaling Pathways in Chordoma for Therapeutic Intervention
Neil Spector, M.D., Duke University Cancer Center

Treatment Development for Chordoma Using Sarcoma Research Paradigms
Laurence Baker, D.O., University of Michigan

Session VII: Developing Chordoma Practice Guidelines
Moderator: Dean Chou, M.D., University of California, San Francisco

Pathology Consensus Report
Andrew Rosenberg, M.D.

Developing Chordoma Practice Consensus Guidelines
Fran Hornicek, M.D., Ph.D.

Specific Considerations for Pediatric Chordoma Patients
Amin Kassam, M.D, Chandranath Sen, M.D, and Norbert Liebsch, M.D., Ph.D., Massachusetts General Hospital

Breakout Working Groups
- Clinical Management
- Mechanisms of Disease
- Therapeutic Development

DAY 3 - Saturday, April 5, 2008

Breakout Group Reports
Moderator: Paul Meltzer

Clinical Management
Franco DeMonte & Tom DeLaney

Mechanisms of Disease
Derek Stemple & Dilyss Parry

Therapeutic Development
Mike Kelley & Larry Baker

Strategies for Resource Development
Isis Mikhail, M.D., M.P.H., Dr.P.H., National Cancer Institute
Action Planning-Agree on Research Priorities and Define Next Steps
Moderators: Mike Kelley, Amin Kassam, Fran Hornicek, and Simone Sommer