

Second International Chordoma Research Workshop
NIH Neuroscience Conference Center, North Bethesda, Maryland
April 3–5, 2008

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 Loreda, 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

Echordosis 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 & Dilys 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