



**THE CENTER FOR DUCHENNE MUSCULAR DYSTROPHY
MUSCLE CELL BIOLOGY AND DISEASE ANNUAL SCIENTIFIC RETREAT
November 14, 2017
Luskin Conference Center, 2nd Floor
425 Westwood Plaza, Los Angeles, CA 90095**

MORNING SESSION

- 9:00 a.m. – 9:50 a.m. Registration and Coffee
- 9:50 a.m. – 10:00 a.m. Welcome: Rachelle Crosbie-Watson, Ph.D.
- Moderators:** *Florian Barthelemy Ph.D., Postdoctoral Fellow;
Elizabeth Gibbs Ph.D., Postdoctoral Fellow*
- 10:05 a.m. – 10:15 a.m. Gina Mosich, M.D., Pilot and Feasibility awardee “Defining the Myogenic Niche for Rotator Cuff Skeletal Muscle Regeneration by Administration of hPSC-Pericytes”
- 10:20 a.m. – 10:30 a.m. Daniel Ennis, Ph.D., Pilot and Feasibility awardee “Measuring Cardiomyocyte Performance In Vivo with MRI”
- 10:35 a.m. – 10:45 a.m. Huan Meng, Ph.D., Pilot and Feasibility awardee “Custom Design of Polyrotaxane Nanocarrier for CRISPR/Cas9 Delivery in DMD”
- 10:45 a.m. – 11:00 a.m. Bio /Coffee Break
- 11:00 a.m. – 11:10 a.m. Courtney Young, Graduate Student, Pilot and Feasibility awardee, “Application of a CRISPR/Cas9 Gene Editing Therapy in a Novel Humanized Dystrophic Mouse Model of DMD”
- 11:15 a.m. – 11:25 a.m. Stanley F. Nelson, M.D., Pilot and Feasibility awardee “Assessment of Vacuum Needle Biopsy System for Sampling in Muscle Disease”
- 11:30 a.m. – 12:00 p.m. Group Photo on Stairway
- 12:00 p.m. – 1:00 p.m. Buffet Lunch in Plateia Restaurant**

AFTERNOON SESSION

Moderators

Cynthia Shu, Graduate Student; Haibin Xi, Ph.D., Postdoctoral Fellow

- 1:00 p.m. – 1:25 p.m. Charles E. Murry, M.D., Ph.D., Director, Center for Cardiovascular Biology, Co-Director, Institute for Stem Cell and Regenerative Medicine, UW Medicine
“Controlling Proliferation of Human Cardiomyocyte Grafts with a Notch-Signaling Hydrogel”
- 1:30 p.m. – 1:55 p.m. Andrew Brack, Ph.D., Associate Professor, UCSF School of Medicine, “Skeletal Muscle Stem Cells and Aging”
- 2:00 p.m. – 2:25 p.m. Sue Bodine, Ph.D., Professor, Carver College of Medicine University of Iowa, “Sarcopenia and the Development of Anabolic Resistance”
- 2:30 p.m. – 2:40 p.m. Jackie McCourt, Ph.D., Postdoctoral Fellow, “Mouse Models of DMD- and BMD-Associated Missense Mutations”
- 2:45 p.m. – 2:55 p.m. Michael Hicks, Ph.D., Postdoctoral Fellow, “ERBB3 and NGFR Mark a Distinct Skeletal Muscle Progenitor Cell in Human Development and hPSCs”
- 3:00 p.m. – 3:10 p.m. Kristen Stearns-Reider, Ph.D., P.T., Postdoctoral Fellow, “Extracellular Matrix Remodeling in Duchenne Muscular Dystrophy”
- 3:15 p.m. – 4:45 p.m. **Poster Session / Judging / Coffee Break in Transformation Room 2nd Floor**
- 4:50 p.m. – 4:55 p.m. Bruin Allies for Duchenne Update
- 5:00 p.m. – 6:30 p.m. **Poster Awards and Social Hour in Entrepreneur Room 2nd Floor**

External Advisors/Site Visitors:

Andrew Brack, Ph.D. Department of Orthopaedic Surgery, University of California, San Francisco

Sue Bodine, Ph.D. Carver College of Medicine, University of Iowa

Charles Murry, M.D., Ph.D. Department of Pathology, University of Washington

Glenn Walter, Ph.D. Department of Physiology and Functional Genomics, University of Florida, Gainesville

Kathryn Wagner, M.D., Ph.D. Department of Neurology and Kennedy Krieger Institute, Johns Hopkins University

Thank you for attending. We hope to see you next year!

Notes