MUSCLE CELL BIOLOGY AND DISEASE ANNUAL SCIENTIFIC RETREAT
February 18, 2016

9:30 AM  Registration and Coffee

10 AM  WELCOME M. Carrie Miceli, Ph.D., Stanley Nelson, M.D., Melissa Spencer, Ph.D.,
Co-Directors of the Center for Duchenne Muscular Dystrophy at UCLA

MORNING SESSION: AWARD RECIPIENTS AND TRAINEE SEMINARS

10:10- 10:30  Team Science Award 1 Andrea Hevener, Ph.D. and Karen Reue, Ph.D. “The Impact of
Mitochondrial Fission-Fusion Dynamics on Muscle Metabolism.”

10:35- 10:55  Team Science Award 2 Bridgette Gomperts, Ph.D. and April Pyle Ph.D. “Modeling the Muscle
Cell Niche in Duchenne Muscular Dystrophy Using Human Induced Pluripotent Stem Cells”

11:00- 11:10  Michael Hicks, Ph.D., CDMD-CureDuchenne Fellowship Award (Postdoc) “NCAM
Progenitors Derived from Human Pluripotent Stem Cells (hPSCs) are not Developmentally
Equivalent to Fetal or Adult Muscle Satellite Cells”

Properties of Skeletal Muscle ECM”

11:30-11:40  Haibin Xi, Ph.D. (Postdoc) “Generation of Functional Somite Cells from Human Pluripotent
Stem Cells for Deriving Skeletal Muscle Progenitor Cells”

11:45- 12:45  LUNCH

AFTERNOON SESSION: KEYNOTE SPEAKERS, TRAINEE SEMINARS, AND CLINICAL UPDATES

12:50- 1:10  Carl Morris, Ph.D., Solid Biosciences, VP Research & Development “Drug Development
in Duchenne Muscular Dystrophy”

1:15- 1:35  Glenn Walter, Ph.D. Professor, University of Florida “NMR at the Crossroads of
Biomarker Discovery for DMD.” CDMD External Advisory Committee Member

1:45-1:55  Derek Wang (Ph.D. Graduate Student) “Long-Term Therapy to Enhance Antisense Mediated
Exon Skipping for DMD in the mdx Mouse”

2:00- 2:10  Andrew Jensen, M.D. (Resident, Orthopaedic Surgery) “The Role of PDGFRα+ and
PDGFRβ+ Cell Populations in Remodeling of the Rotator Cuff after Irreversible Injury in a
Murine Model”

2:15- 2:25  Joana Capote (Ph.D. Graduate Student) “Osteopontin Ablation Ameliorates Muscular
Dystrophy by Skewing Macrophage Polarization Towards a Pro-Regenerative State”

2:30-4:00  Poster Session/Coffee Break

4:00-4:10  Courtney Young, (Ph.D. Graduate Student) “A CRISPR/Cas9 Platform that Targets the
Majority of DMD Patients Restores Dystrophin Function in HiPSC-Derived Muscle Cells”
4:20-4:40  Perry Shieh, M.D., Ph.D. “Update on Clinical Trials”

4:50- 5:15  Rachelle Crosbie-Watson, Ph.D., Education Liaison “Poster Finalists Present Elevator Pitch and Receive Awards”

5:15-6:15  **SOCIAL HOUR WITH COCKTAILS AND APPETIZERS**

Thank you for attending the Muscle Cell Biology and Disease Annual Scientific Retreat!