**MUSCLE CELL BIOLOGY AND DISEASE ANNUAL SCIENTIFIC RETREAT**  
Tuesday November 29th 9:30AM- 6:30PM  
Luskin Conference Center, Optimist Room

9:00-9:50  Registration and Coffee

**MORNING SESSION**

*Host: Michelle Parvatiyar, Ph.D.*  
*Moderators: Elizabeth Gibbs Ph.D, Cynthia Shu, Haibin Xi, Ph.D. Michael Hicks, Ph.D.*

9:50-10:00  Welcome Rachelle Crosbie-Watson

10:05-10:15  Austin Nakano, Ph.D. Pilot and Feasibility Awardee  
“Developing iPSC-derived Cardiomyocyte as a Model System for Evaluating Therapeutic Intervention of DMD Cardiomyopathy”

10:20-10:30  Shantanu Joshi, Ph.D. Pilot and Feasibility Awardee  
“Brain Imaging Signatures in Duchenne Muscular Dystrophy and their Correlates With Cognitive Function”

10:35-10:45  Sandra Loo, Ph.D. Pilot and Feasibility Awardee  
“Behavioral, Cognitive, and Neurophysiological Phenotypes in Duchenne Muscular Dystrophy”

10:50-11:00  Florian Barthelemy, Ph.D., Post-Doctoral Fellow  
“Can we Promote Exon Skipping in DMD Patient Cells Using Calcium Modulators?”

11:10-11:40  Armando Villalta, Ph.D., Assistant Professor, University of California, Irvine  
“Immune Regulation in Muscular Dystrophy”

11:45-12:15  Jeff Chamberlain, Ph.D., External Advisory Committee Member, Professor, University of Washington  
“Approaches for Gene Therapy of DMD”

12:25-1:25  LUNCH

**AFTERNOON SESSION**

*Host: Kristen Stearns-Reider, PT, Ph.D.*  
*Moderators: Brian McMorran, Derek Wang, Courtney Young, Florian Barthelemy, Ph.D.*

1:25-1:50  Roy Doumani, JD, Executive Director, Business of Science Center UCLA  
“Exploring Entrepreneurship”
<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker(s)</th>
<th>Title</th>
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<tbody>
<tr>
<td>1:55- 2:25</td>
<td>Ellen Welch, Ph.D., Head, Genetic Disorders, PTC Therapeutics</td>
<td>“Making Sense of Nonsense: Ataluran for the Treatment of Genetic Disorders Caused by Nonsense Mutations”</td>
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<td>2:30-2:50</td>
<td>Rachelle Crosbie-Watson, Ph.D.-CDMD Education Liaison and T32 Director</td>
<td>“Muscle UP: A comprehensive Training Program for Undergraduates, Pre-doc and Postdoctoral Fellows”</td>
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<td>3:00- 3:10</td>
<td>Ayelet Dar Ph.D. Post-doctoral Fellow</td>
<td>“Distinct Subsets of PDGFRβ+ Progenitor Cells Promote Sequential Myogenic and Degenerative Remodeling after Chronic Muscle Injury”</td>
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<td>3:15- 3:25</td>
<td>Matthew Hakimi, M.D.</td>
<td>“Exercise-induced Vasospasm in Skeletal Muscle of Patients with Becker Muscular Dystrophy Lacking Sarcolemmal nNOS”</td>
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<td>3:30- 3:40</td>
<td>Patrick Magrath, Pre-doctoral Student</td>
<td>“Towards MRI-Based Quantification of Cardiomyocyte Performance in Duchenne Muscular Dystrophy”</td>
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<td>3:45- 5:00</td>
<td><strong>Poster Session/Judging/ Coffee Break</strong></td>
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<td>5:00-5:05</td>
<td>Courtney Young and Cynthia Shu</td>
<td>“Bruin Allies for Duchenne Update”</td>
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<td>5:10-5:20</td>
<td><strong>Poster Awards</strong></td>
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<td>5:20-6:30</td>
<td><strong>SOCIAL HOUR WITH COCKTAILS AND APPETIZERS</strong></td>
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Thank you for attending the CDMD Muscle Cell Biology and Disease Annual Retreat!