24th Annual Neuromuscular Study Group Scientific Meeting

Thursday, September 21, 2023
We will have early check in Thursday evening or Friday morning

Day 1: Friday, September 22, 2023

6:30am-8:00am   Buffet Breakfast and Check-In
8:00am-8:20am   Welcome and State of the Neuromuscular Study Group
                Dr. Richard Barohn and Prof Michael Hanna
Session I: Peripheral nerve
8:20am-8:40am   TDB - Inflammatory neuropathy
8:45am-9:05am   David Hermann, MBBCh - Towards Clinical Trial Readiness for Charcot Marie Tooth Neuropathies
9:10am-9:30am   Riccardo Zuccarino - Resp involvement in neuropathy
9:35am-9:55am   Stephan Zuchner, MD, PhD -
10:00am-10:15am Refreshment/Exhibitor Break
10:15am-10:35am James Howard, MD - new treatments in MG
10:40am-11:00am Jon Katz, MD – Updates on ALS
Session II – Flash Presentations - Moderator Katy Dodd
11:05am-11:15am Chosen accepted flash abstract
11:17am-11:27am Chosen accepted flash abstract
11:29am-11:39am Chosen accepted flash abstract
11:41am-11:51pm Chosen accepted flash abstract
11:53pm-12:03pm Chosen accepted flash abstract
12:05pm-12:15pm  Chosen accepted flash abstract

12:15am-1:30pm  Lunch

*Muscle Study Group Executive Committee Meeting Breakout*

Session III: Aging/cachexia/disuse – Moderator Dr. Heidi Fuller

1:30pm -1:50pm  Thomas Wishart, PhD  - proteomic analysis of differentially vulnerable synaptic populations to identify regulators of stability

1:55pm-2:15pm  Dr Matthew Birkbeck  - Changes in Motor Unit MRI with age/sarcopenia

2:20pm-2:40pm  Roger Fielding, PhD - Clinical aspects of sarcopenia

2:45pm-3:00pm  Refreshment/Exhibitor Break

3:00pm-5:00pm  Young Investigator Session/Evaluator Session Breakout; Coordinator Breakout

*ALL NEW*

Session Moderators – Dr W. David Arnold, Dr Karen Suetterlin, Dr Katherine Dodd, Dr Heidi Fuller
- How to give an effective elevator pitch
- Tips for successful Grant Writing
- Failing well, overcoming rejections, criticisms and changing direction

6:00pm-8:00pm  Reception and poster walk through session

8:00pm-9:00pm  Dinner

9:00pm-11:30pm  Reception

**Day 2: Saturday, September 23, 2023**

7:00am-8:00am  Buffet Breakfast

8:00am-8:15am  Dr Barohn and Prof Hanna Opening

Session V: Biomarkers (new) - Moderator Donovan Lott, PT, PhD, CSCS

8:15am-8:35am  Lisa Hobson Webb, MD - Shear wave electrography/ultrafast ultrasound use for neuromuscular disorders
8:40am-9:00am  Professor Anna Rostedt Punga, M.D; Ph.D., Uppsala University, Sweden - Circulating microRNAs as biomarkers in Myasthenia Gravis

9:05am-9:25am  Robert Bowser, PhD – Neurofilament as a biomarker for everything

9:30am-9:50am  Eric Wang, PhD - Alternative splicing DM1

9:55am-10:15am  Glenn Walter, PhD – MRI as a biomarker in MD

10:15am-10:30am  Refreshments/Exhibitor Break

Session VI Platform Presentations – Moderator Kris Kelly

10:30am-10:45am  Top scored accepted abstract presentation

10:50am-11:05am  Top scored accepted abstract presentation

11:10am-11:25am  Top scored accepted abstract presentation

11:30am-11:45am  Top scored accepted abstract presentation

12:00pm-1:00pm  Lunch

Session VI: Exercise and treatments/pain management – Moderator Miguel Chuquilin

1:00pm-1:20pm  Elisa Duchesne, PHT, PhD - effect of exercise on functional outcomes and disease pathophysiology in DM1

1:25pm-1:45pm  Jackie Montes, PT, EdD, NCS - Exercise in SMA: More than just an intervention

1:50pm-2:10pm  Tanja Taivassalo, PhD - has multiple ongoing projects on exercise in DMD, impacts on functional outcomes and disease biomarkers

2:15pm – 2:35pm  Gita Ramdharry, PhD -

Session VII

2:40pm-3:00PM  Aziz Shaibani, MD, FACP, FAAN, FANA – Neuromuscular implications of placebo research

3:00pm-3:30pm  Refreshments/Exhibitor Break

3:30pm-3:50pm  UCB Update
3:55pm-4:15pm  Argenx Update
4:20pm-4:40pm  Sarepta Therapeutics Update
4:45pm-5:05pm  Fulcrum Therapeutics Update
5:10pm-5:30pm  Catalyst Pharmaceuticals Update
7:30pm – 8:30pm  Robert C. Griggs Annual MSG Keynote Speaker
   The Circle of Translation
   Professor Mary M Reilly
   UCL Queen Square Institute of Neurology
8:30pm-9:30pm  Dinner
9:30pm-11:30pm  Evening Reception

Day 3: Sunday, September 24, 2023

7:00am-8:00am  Breakfast
8:00am-8:10am  Dr Barohn and Prof Hanna opening
Session VII – NMSG Young investigators projects – Moderator  Dr Karen Sutterlin
8:10am-8:25am  2022 NMSG Fellow Tyler Rehbein, MD -  Neuromuscular ultrasound as a biomarker to improve clinical trial readiness in Charcot Marie Tooth Neuropathies
8:30am-8:45am  2023 NMSG Fellow Dr Natalie Katz, MD - Development of novel imaging biomarkers for use in pediatric facioscapulohumeral muscular dystrophy
8:50am-9:05am  2022 Shark Tank Award update Alex Oldroyd, University of Manchester
Quantifying Idiopathic Inflammatory Myopathy-Associated Cancer Risk via Comprehensive Phenotyping of a Large UK-Wide Cohort
9:10am-9:25am  2022 Shark Tank Award update Giorgia Coratti, PhD, Pediatric Neurology and Centro Clinico Nemo Rome
Predictive models in spinal muscular atrophy treated patients using machine learning
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<th>Time</th>
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| 9:30am-10:45am | Shark Tank Session                         | **Moderator:** Aziz Shaibani, MD, FACP, FAAN, FANA  
**Shark Panel:** Mazen Dimachkie, MD, Amanda Guidon, MD and Laurie Gutmann, MD  
**Presentations:**  
- *Determination of the unique genotypic/phenotypic characteristics of South East Asia FSHD1 patients in Singapore* Dr. Zhiyong Chen, UCL Queen Square Centre  
- *Perceived Fatigability Tracker: Improving Assessment to Enhance Spinal Muscular Atrophy (SMA) Patient Outcomes* Rafael Rodriguez-Torres DPT, Columbia University Irving Medical Center  
- *Markers of respiratory progression in Duchenne Muscular Dystrophy – systemic inflammation and diaphragm thickness and motion (“DMD-InflUS”)* Federica Trucco MD, PhD, University of Milan  
- *LITEBulb SMA - Lingual Intervention of Tongue Exercises for BULBar SMA* Carla Zingariello DO, University of Florida College of Medicine, Gainesville, FL |
| 10:45am-11:00am | Refreshments/Exhibitor Break               |                                                                                  |
| 11:00am-11:20am | Session VIII Emerging Phenotypes/New Chronic Disease |  
- **James Lilleker, MBChB, Ph.D.** - Adult SMA  
- **TBD NEMO Milan/Rome** - CNS and cognitive in SMA across the lifespan  
- **Amanda Guidon, MD, PhD** - checkpoint inhibitors  
- **Katherine Mathews, MD** – Peds FSHD |
| 12:00pm-12:30pm | Lunch                                      |                                                                                  |
| 12:30pm-1:30pm   | Closing                                   |                                                                                  |