2017 Wellstone/NCH/OSU Myology Training Course (Draft v2 -- subject to change)

	Monday (8/28/17)		Tues (8/29/17)		Wed (8/30/17)		Thurs (08/31/17)		Friday (9/01/17)
8:15	Registration/introductions		**Principles of Gene Editing** Nicolas Wein, PhD		**Cachexia/Muscle Signalling** Denis Guttridge, PhD		**Congenital Myopathies** Chris Pierson, MD, PhD		**Mitochondrial Myopathies** Michio Hirano, MD
9:00	**The Dystrophinopathies: Clinical and Genetics** Kevin Flanigan, MD		**Principles of Gene Therapy** Louise Rodino-Klapac, PhD		**FSHD Genetics and Pathogenesis** Scott Harper, PhD		**Sarcolemma in Health and Disease** Noah Weislieder, PhD		**Autoimmune Neuropathies** Amro Stino, MD
9:45	Break		Break		Break		Break		Break
10:00	**DMD Pathophysiology** Jill Rafael-Fortney, PhD		**FSHD and DM1 Clinical** John Kissel, MD **Note:10:00 to 10:30 AM**		**Career Development for the Young Investigator: the view from academia** **John Barnard, MD**		**Channelopathies** Stanley Iyadurai, MD, PhD		**Critical Illness Myopathy** Mark Rich, MD, PhD
Tues only: 10:30			**Disorders of Glycosylation** Paul Martin, PhD **Note: 10:30 to 11:00 AM**						
10:45	**Overview of the Design of Muscle for Force Production and Transmission and Defects that result in Disease** Lee Sweeney, PhD				**ALS: Clinical and Genetic Features** Stephen Kolb, MD, PhD		**SMA: Therapeutics** Arthur Burghes, PhD		**NT-3 Therapy for CMT** Zarife Sahenk, MD, PhD
Tues only: 11:00			**The LGMDs** Matt Wicklund, MD **Note: 11:00 to 11:45 AM**						
11:30	**Intro to Neuromuscular Pathology** Daniel Boue, MD, PhD				**Muscle stem cell populations in development and disease** Emanuela Gussoni, PhD		Break		**Inflammatory/Acquired Myopathies** Miriam Freimer, MD
Noon (Tues & Thurs only)			Clinical and Translational Research Seminar: **TBD**				Child Health Research Center Seminar: **TBD**		
12:15	Lunch				Lunch				Lunch
Friday only: 12:30									**PPMD: Patient advocacy and research programs** Abby Bronson
1:00	Bus to OSU (selected wet labs)		Bus to OSU (selected wet labs)		Bus to OSU (selected wet labs)		Bus to OSU (selected wet labs)		**Career Development for the Young Investigator: insights from the NIH and private foundations** John Porter, PhD
	Clinical track	Lab track (wet labs)	Clinical track	Lab track (wet labs)	Clinical track	Lab track (wet labs)	Clinical track	Lab track (wet labs)	
1:15	**Glycogenoses** Chad Hoyle, MD	**Muscle Histopathology** Sarah Lewis (NCH)	**Adult Cases from the Clinic/Clinical Vignettes** John Kissel, MD Matt Wicklund, MD	**In vivo mouse electrophysiology and physiology lab** Dave Arnold, MD (OSU) 159a Rightmire Hall	**Bone Health in NMD** Garey Noritz, MD	**Measuring muscle metabolism by using the Seahorse bioanalyzer Denis Guttridge, PhD** (OSU)	**The Floppy Infant** Reghan Foley, MD	**Muscle Histopathology** Sarah Lewis (NCH)	
2:00	**Emery-Dreifuss / laminopathies** Albert Tsao, MD				**Ventilation for NMD** Richard Shell, MD		**Imaging of muscle disease** Volker Straub, MD	**Detection Methods for Muscle Post-translational Modification** Brandon Biesiadecki, PhD (OSU)	
2:45	Break	**Primary Myofiber Preparations** Denis Guttridge, PhD (OSU)	Break	**Introduction to Flow Cytometry to Study Muscle Progenitor Cells** Emanuela Gussoni, PhD (NCH)	Break	**In vivio mouse electophysilogy and physiology lab** Dave Arnold, MD (OSU) 159a Rightmire Hall	Break	**Pre-Clinical Gene Delivery Techniques in Mice** Louise Rodino-Klapac, PhD (NCH)	**Assessment/Feedback/Dismissal**
3:00	**Use and Interpretation of Genetic Testing** Matthew Pastore, MS, CGC		**Adult Cases Continued** (see above)	**Zebrafish Wet Lab** Christine Beattie, PhD (OSU)	**Cardiac Care in the Muscular Dystrophies** Linda Cripe, MD	**Introduction to Flow Cytometry to Study Muscle Progenitor Cells** Emanuela Gussoni, PhD (NCH)	**Pediatric Cases from the Clinic/Clinical Vignettes**		
3:45	**Next Generation Techniques for Molecular Diagnosis** Kim McBride, MD	**Muscle Physiology Lab** Paul Janssen, PhD (OSU)	**Clinical Outcomes Measures** Linda Lowes, DPT Lindsay Alfano, PhD		**Neuromuscular Junction** Bakri Elsheikh,MD				
4:30	Bus to OSU BRT room 115		Bus to OSU BRT room 105		Bus to OSU BRT room 105			Bus back from OSU	
5:00 PM Keynote	**Emerging Therapeutics for Motor Neuron Diseases** **Brian Kaspar, PhD** OSU		Doug Millay, PhD University of Cincinnati (at OSU)		**Emerging Therapeutics for Muscle Disease** **Jerry Mendell, MD** NCH		Keynote- TBD		
	Introductory Mixer (7:30 pm) Hilton Hotel						Gala Dinner (7:30 pm) Westin Hotel		

Cofirmed