

2016 Wellstone/NCH/OSU Myology Training Course (Draft v7 -- subject to change)

	Monday (8/29/16)		Tues (8/30/16)		Wed (8/31/16)		Thurs (09/01/16)		Friday (9/02/16)	
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		Sarcolema in Health and Disease Noah Weisleder, PhD		Autoimmune Neuropathies Amro Sino, 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		Muscle stem cell populations in development and disease Emanuela Gussoni, PhD		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		ALS: Clinical and Genetic Features Stephen Kolb, MD, PhD		SMA: Therapeutics Arthur Burghes, PhD		NT-3 Therapy for CMT Zarife Sahenk, MD, PhD	
10:45	Overview of the Design of Muscle for Force Production and Transmission and Defects that result in Disease Lee Sweeney, PhD		The LGMDs Matt Wicklund, MD Note: 11:00 to 11:45 AM		Neuromuscular Junction Disorders Stanley Iyadurai, MD, PhD		Break		Inflammatory/Acquired Myopathies Miriam Freimer, MD	
Tues only: 11:00										
11:30	Intro to Neuromuscular Pathology Daniel Boue, MD		Clinical and Translational Research Seminar: Nicholas Johnson, MD University of Utah Pathogenesis and Progression of Congenital Muscular Dystrophy		Lunch		Child Health Research Center Seminar: Richard Finkel, MD Nemours Children's Hospital, Orlando Spinal Muscular Atrophy		Lunch	
Noon (Tues & Thurs only)										
12:15	Lunch								PPMD: Patient advocacy and research programs Abby Bronson	
Friday only: 12:30										
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	Basic electromyography and nerve conduction studies in mouse models Dave Arnold, MD (NCH)	Bone Health in NMD Garey Noritz, MD	Single Myofiber Preparation Denis Guttridge, PhD (OSU)	The Floppy Infant Carsten Bönemann, MD	Muscle Histopathology Sarah Lewis (NCH)	Career Development for the Young Investigator: the view from academia John Barnard, MD	
2:00	Emery-Dreifuss / laminopathies Albert Tsao, MD		Adult Cases Continued (see above)		Cardiac Care in the Muscular Dystrophies Kan Hor, MD		Imaging of muscle disease Jahannaz Dastgir, DO		Detection Methods for Muscle Post-translational Modification Brandon Biesiadecki, PhD (OSU)	Assessment/Feedback/Dismissal
2:45	Break	Primary Myoblast/Myotube Preparations Denis Guttridge, PhD (OSU)	Break	Introduction to Flow Cytometry to Study Muscle Progenitor Cells Emanuela Gussoni, PhD (NCH)	Break	Pre-Clinical Gene Delivery Techniques in Mice Louise Rodino-Klapac, PhD (NCH)	Break	Advanced electromyography and nerve conduction studies in mouse models Dave Arnold, MD (NCH)		
3:00	Use and Interpretation of Genetic Testing Matthew Pastore, MS, CGC	Muscle Physiology Lab Paul Janssen, PhD (OSU)	Clinical Outcomes Measures Linda Lowes, DPT Lindsay Alfano, PhD	Zebrafish Wet Lab Christine Beattie, PhD (OSU)	Exercise in NMD Dave Arnold, MD	Introduction to Flow Cytometry to Study Muscle Progenitor Cells Emanuela Gussoni, PhD (NCH)	Pediatric Cases from the Clinic/Clinical Vignettes Richard Finkel, MD Jahannaz Dastgir, DO Carsten Bönemann, MD	Bus back from OSU		
3:45	Next Generation Techniques for Molecular Diagnosis Kim McBride, MD									
4:30	Bus to OSU BRT room 115		Bus to OSU BRT room 105		Bus to OSU BRT room 105					
5:00 PM Keynote	Emerging Therapeutics for Motor Neuron Diseases Brian Kaspar, PhD NCH		Cell membrane repair and regenerative medicine Jianjie Ma, MD OSU		Emerging Therapeutics for Muscle Disease Jerry Mendell, MD NCH		Congenital muscle disease in the age of next generation sequencing Carsten Bönemann, MD NINDS			
	Introductory Mixer (7:30 pm) Hilton Hotel						Gala Dinner (7:30 pm) Westin Hotel			