

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		Sarcolemma in Health and Disease Noah Weisleder, PhD		Autoimmune Neuropathies Amro Stino, MD		
	9:45	Break	Break		Break		Break		Break		
	10:00	DMD Pathophysiology Jill Rafael-Forney, 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	Overview of the Design of Muscle for Force Production and Transmission and Defects that result in Disease Lee Sweeney, PhD	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		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		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		Child Health Research Center Seminar: Richard Finkel, MD Nemours Children's Hospital, Orlando Spinal Muscular Atrophy		Lunch		
	11:30	Lunch			Lunch				PPMD: Patient advocacy and research programs Abby Bronson		
Noon (Tues & Thurs only)	12:15										
	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 Bönnemann, MD	Muscle Histopathology Sarah Lewis (NCH)		
	2:00	Emery-Dreifuss / laminopathies Albert Tsao, MD				Ventilation for NMD Richard Shell, MD		Imaging of muscle disease Jahannaz Dastgir, DO	Detection Methods for Muscle Post-translational Modification Brandon Biesiadecki, PhD (OSU)	Career Development for the Young Investigator: the view from academia John Barnard, MD	
	2:45	Break		Break		Break		Break		Assessment/Feedback/Dismissal	
	3:00	Use and Interpretation of Genetic Testing Matthew Pastore, MS, CGC		Primary Myoblast/Myotube Preparations Denis Guttridge, PhD (OSU)		Adult Cases Continued (see above)		Cardiac Care in the Muscular Dystrophies Kan Hor, MD	Pre-Clinical Gene Delivery Techniques in Mice Louise Rodino-Klapac, PhD (NCH)	Pediatric Cases from the Clinic/Clinical Vignettes Richard Finkel, MD Jahannaz Dastgir, DO Carsten Bönnemann, MD	Advanced electromyography and nerve conduction studies in mouse models Dave Arnold, MD (NCH)
	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		Exercise in NMD Dave Arnold, MD	Introduction to Flow Cytometry to Study Muscle Progenitor Cells Emanuela Gussoni, PhD (NCH)		
	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 NCH		Cell membrane repair and regenerative medicine Janjie Ma, MD OSU		Emerging Therapeutics for Muscle Disease Jerry Mendell, MD NCH		Congenital muscle disease in the age of next generation sequencing Carsten Bönnemann, MD NINDS			
		Introductory Mixer (7:30 pm) Hilton Hotel						Gala Dinner (7:30 pm) Westin Hotel			