

2015 Wellstone/NCH/OSU Myology Training Course (draft v8)

	Monday (8/24/15)		Tues (8/25/15)		Wed (8/26/15)		Thurs (8/27/14)		Friday (8/28/15)	
8:15	Registration/introductions		Muscle Development Gabrielle Kardon, 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		Disorders of Glycosylation Paul Martin, PhD		Sarcolema in Health and Disease Noah Weisleder, PhD		Autoimmune Neuropathies Stanley Iyadurai, 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		ALS: Clinical and Genetic Features Stephen Kolb, MD, PhD		SMA: Clinical John Kissel, MD		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		FSHD Genetics and Pathogenesis Scott Harper, PhD Note: 10:30 to 11:00 AM		Hereditary Neuropathies Zarife Sahenk, MD, PhD		SMA: Therapeutics Arthur Burghes, PhD		Chanelopathies Stanley Iyadurai, MD	
Tues only: 11:00			The LGMDs Matt Wicklund, MD Note: 11:00 to 11:45 AM		Neuromuscular Junction Disorders Stanley Iyadurai, MD		Break		Inflammatory/Acquired Myopathies Miriam Freimer, MD	
11:30			Intro to Neuromuscular Pathology Zarife Sahenk, MD, PhD		Clinical and Translational Research Seminar/Wellstone Lecture: The Nuclear Envelope and Muscular Dystrophy Howard Worman, MD Columbia University		Lunch		CHRC Seminar: Imaging DMD Krista Vandeborne, PhD University of Florida	
Noon (Tues & Thurs only)	Lunch									
12:15	Lunch									
Friday only: 12:30									The MDA: Grant Programs and Career Development Valerie Cwik, MD	
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)			
	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) Primary Myoblast/Myotube Preparations Denis Guttridge, PhD (OSU) Muscle Physiology Lab Paul Janssen, PhD (OSU)	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) Introduction to Flow Cytometry to Study Muscle Progenitor Cells Federica Montanaro, PhD (NCH) Zebrafish Wet Lab Christine Beattie, PhD (OSU)	Cardiac Care in the Muscular Dystrophies Linda Cripe, MD	Single Myofiber Preparation Denis Guttridge, PhD (OSU) Intramuscular, Intravascular, and Intracoronary Injections in Mice: a Primer Louise Rodino-Klapac, PhD (NCH) Introduction to Flow Cytometry to Study Muscle Progenitor Cells Federica Montanaro, PhD (NCH)	The Floppy Infant Carsten Bonnemann, MD	Muscle Histopathology Sarah Lewis (NCH) Detection Methods for Muscle Post-translational Modification Brandon Biesiadecki, PhD (OSU) Advanced electromyography and nerve conduction studies in mouse models Dave Arnold, MD (NCH)	Career Development for the Young Investigator: insights from the NIH and the PPMD John Porter, PhD	
2:00	Emery-Dreifuss / laminopathies Albert Tsao, MD		Adult Cases Continued (see above)		Bone Health in NMD Garey Noritz, MD		Imaging of muscle disease Volker Straub, MD		Career Development for the Young Investigator: the view from academia John Barnard, MD	
2:45	Break		Clinical Outcomes Measures Linda Lowes, DPT Lindsay Alfano, PhD		Exercise in NMD Dave Arnold, MD		Break		Assessment/Feedback/Dismissal	
3:00	Use and Interpretation of Genetic Testing Matthew Pastore, MS, CGC		Bus to OSU		Bus to OSU		Bus to OSU		Pediatric Cases from the Clinic/Clinical Vignettes Carsten Bonnemann, MD Volker Straub, MD	
3:45	Next Generation Techniques for Molecular Diagnosis Kandamurugu Manickam, MD								Bus back from OSU	
4:30	Bus to OSU									
5:00 PM Keynote	Emerging Therapeutics for Muscle Disease Jerry Mendell, MD		The Diaphragm Gabrielle Kardon, PhD		Emerging Therapeutics for Motor Neuron Diseases Brian Kaspar, PhD		Advances in the Limb-Girdle Muscular Dystrophies Volker Straub, MD			
	Introductory Mixer (7:30 pm) Hilton Hotel						Gala Dinner (7:30 pm) Westin Hotel			