

2014 Wellstone/NCH/OSU Myology Training Course (draft v9)

	Monday (8/25/14)		Tues (8/26/14)		Wed (8/27/14)		Thurs (8/28/14)		Friday (8/29/14)	
8:15	Registration/introductions		Muscle Development Federica Montanaro, 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		Sarcolemma in Health and Disease Noah Weisleder, PhD		Career Development for the Young Investigator Phil Saul, 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 Alan Sanderson, 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: Myotonic Dystrophy: Pathogenesis and Therapeutics Charles Thornton, MD		Lunch		CHRC Seminar: Imaging DMD Glenn Walter, PhD		Lunch	
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 (Basic)		Bus to OSU (Basic)		Bus to OSU (Basic)		Bus to OSU (Basic)			
	Clinical	Basic (Wet lab)	Clinical	Basic (Wet lab)	Clinical	Basic (Wet lab)	Clinical	Basic (Wet lab)		
1:15	Glycogenoses Chad Hoyle, MD	Muscle Histopathology Sarah Lewis (NCH)	Adult Cases from the Clinic/Clinical Vignettes John Kissel, MD Matt Wicklund, MD Charles Thornton, MD	Electroporation of Muscle for Gene Overexpression or Knockdown Studies Andrew Judge, PhD (OSU)	Cardiac Care in the Muscular Dystrophies Linda Cripe, MD	Muscle Physiology Lab Paul Janssen, PhD (OSU)	The Floppy Infant Carsten Bonnemann, MD	Muscle Histopathology Sarah Lewis (NCH) Detection Methods for Muscle Post-translational Modification Brandon Biesiadecki, PhD (OSU)	Autoimmune Neuropathies Victoria Lawson, MD	
2:00	Emery-Dreifuss / laminopathies Albert Tsao, MD		Primary Myoblast/Myotube Preparations Denis Guttridge, PhD (OSU)	Electromyography to assess mouse models of disease Dave Arnold, MD (NCH)	Ventilation for NMD Richard Shell, MD		Imaging of muscle disease Volker Straub, MD		The Parent Project Muscular Dystrophy Kathi Kinnett, MSN, CNP	
2:45	Break	Zebrafish Wet Lab Christine Beattie, PhD (OSU)	Break	Introduction to Flow Cytometry to Study Muscle Progenitor Cells Federica Montanaro, PhD (NCH)	Break	Single Myofiber Preparation Denis Guttridge, PhD (OSU)	Break	Introduction to Flow Cytometry to Study Muscle Progenitor Cells Federica Montanaro, PhD (NCH)	Assessment/Feedback/Dismissal	
3:00	Use and Interpretation of Genetic Testing Matthew Pastore, MS, CGC		Adult Cases Continued (see above)	Intramuscular, Intravascular, and Intracoronary Injections in Mice: a Primer Louise Rodino-Klapac, PhD (NCH)	Bone Health in NMD Garey Noritz, MD		Pediatric Cases from the Clinic/Clinical Vignettes Carsten Bonnemann, MD Volker Straub, MD			
3:45	Next Generation Techniques for Molecular Diagnosis Kandamurugu Manickam, MD		Clinical Outcomes Measures Linda Lowes, DPT Lindsay Alfano, PhD	Muscle Physiology Lab Paul Janssen, PhD (OSU)						
4:30	Bus to OSU		Bus to OSU		Bus to OSU		Bus back from OSU			
5:00 PM Keynote	Emerging Therapeutics for Muscle Disease Jerry Mendell, MD		Role of FoxO in Muscle Pathology Andrew Judge, PhD		Emerging Therapeutics for Motor Neuron Diseases Brian Kaspar, PhD		Collagenopathies Carsten Bonnemann, MD			
							Gala Dinner (7:30 pm) Westin Hotel			