

2013 Wellstone/NCH/OSU Myology Training Course (Draft V9)

		Monday (8/26/13)		Tues (8/27/13)		Wed (8/28/13)		Thurs (8/29/13)		Friday (8/30/13)		
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		DMD Clinical and Genetics Kevin Flanigan, MD		Contractile Proteins Lee Sweeney, PhD		Disorders of Glycosylation Paul Martin, PhD		Myotonic Dystrophy: Pathogenesis and Therapeutics K. Reed Clark, PhD		Autoimmune Neuropathies John Kissel, MD		
9:45		Break		Break		Break		Break		Break		
10:00		DMD Pathophysiology Jill Rafael-Fortney, PhD		FSHD and DM1 Clinical, MD John Kissel		ALS: Clinical and Genetic Features Stephen Kolb, MD, PhD		SMA: Clinical John Kissel, MD		Critical Illness Myopathy Mark Rich, MD, PhD		
10:45		Principles of Gene Therapy Louise Rodino-Klapac, PhD		FSHD Genetics and Pathogenesis Scott Harper, PhD		Hereditary Neuropathies Zarife Sahenk, MD, PhD		SMA: Therapeutics Arthur Burghes, PhD		Channelopathies Dave Arnold, MD		
11:30		Intro to Neuromuscular Pathology Zarife Sahenk, MD, PhD		The LGMDs Matt Wicklund, MD		Neuromuscular Junction Disorders Alan Sanderson, MD		Break		Inflammatory/Acquired Myopathies Miriam Freimer, MD		
12:15	Lunch			Clinical and Translational Research Seminar Craig McDonald, MD Rehabilitation Medicine and Muscular Dystrophies		Lunch		CHRC/Wellstone Lecture: Volker Straub, MD		Lunch		
12:30 (Fri only)												
1:00		Bus to OSU (Basic)		Bus to OSU (Basic)		Bus to OSU (Basic)		Bus to OSU (Basic)		The Parent Project Muscular Dystrophy Pat Furlong		
		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) Myoblast/Myotube Culture and Single Fiber Preparation Denis Guttridge, PhD (OSU) Zebrafish Wet Lab Christine Beattie, PhD (OSU)	Adult Cases from the Clinic/Clinical Vignettes John Kissel, MD Matt Wicklund, MD	Cardiomyocyte Prep Mark Ziolo, PhD (OSU)	Cardiac Care in the Muscular Dystrophies Linda Cripe, MD	Cardiomyocyte Prep Mark Ziolo, PhD (OSU) Muscle Physiology Lab Paul Janssen, PhD (OSU) Myoblast/Myotube Culture Lab and Single Fiber Prep Denis Guttridge, PhD (OSU)	The Floppy Infant Carsten Bonnemann, MD	Muscle Histopathology Sarah Lewis (NCH) Muscle Physiology Lab Paul Janssen, PhD (OSU)	Career Development for the Young Investigator John Barnard, MD		
2:00	Emery-Dreifuss / laminopathies	Introduction to Flow Cytometry to study muscle cells Federica Montanaro, PhD (NCH)		Ventilation for NMD Richard Shell, MD	Imaging of muscle disease Volker Straub, MD	The MDA: Grant Programs, and Career Development Valerie Cwik, MD						
2:45	Break	Break		Break	Break	Assessment/Feedback/Dismissal						
3:00	Use and Interpretation of Genetic Testing Matthew Pastore, MS, CGC	Non-ambulatory outcome measures Jay Han, MD, PhD		Zebrafish Wet Lab Christine Beattie, PhD (OSU)	Bone Health in NMD Garey Noritz, MD	Introduction to Flow Cytometry to study muscle cells Federica Montanaro, PhD (NCH)						
3:45	Next Generation Techniques for Molecular Diagnosis Kandamuru Manickam, MD	Outcomes lab Linda Lowes, DPT Lindsay Alfano, PhD		Electromyography to assess mouse models of disease Dave Arnold, MD (NCH)	Exercise in NMD Dave Arnold, MD	Pediatric Cases from the Clinic/Clinical Vignettes Carsten Bonnemann, MD Volker Straub, MD						
4:30	Bus to OSU	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			Extraocular Satellite Cells as Engines of Myogenesis Zipora Yablonka-Reuveni, PhD		Emerging Therapeutics for Motor Neuron Diseases Brian Kaspar, PhD		Collagenopathies Carsten Bonnemann, MD				
								Gala Dinner (7:30 pm) Westin Hotel				