

Fourth Annual Symposium on Regenerative Rehabilitation

As of June 24, 2015

Thursday, Sept. 24th

1:30-3:00pm	Registration Open
2:30-3:30pm	Pre-Symposium Workshop: 'Regenerative Medicine 101' Fabrisia Ambrosio, PhD, MPT Assistant Professor, University of Pittsburgh
6:00-7:30pm	<u>Opening of Symposium</u> (day one) Opening Plenary Session: 'Pathway to the clinic: Translational Examples of Regenerative Rehabilitation for the Treatment of Volumetric Muscle Injuries'
6:00-6:10pm	Welcome and Introduction Moderator: Michael Boninger, MD (tentative)
6:10-6:35pm	Thomas Rando, MD, PhD Director of Rehabilitation Research, VAPAHCS and Professor of Neurology, Stanford University
6:35-7:00pm	Benjamin T. Corona, PhD Research Physiologist, Extremity Trauma and Regenerative Medicine Center for the Intrepid, San Antonio Military Medicine Center San Antonio, TX
7:00-7:25pm	Stephen F. Badylak, DVM, PhD, MD Professor of Surgery University of Pittsburgh
7:25pm	Wrap-up and conclusion of day one
7:30-8:30pm	Evening Cocktail Reception

Doubletree:
Atrium-2nd Floor

University Halls
II-IV

Mayo campus:
Gonda Bldg.
Geffen Auditorium

Friday, Sept. 25th

7:00am	Registration Opens
7:15-8:15am	Continental Breakfast Seating available in: University Hall I, Commons and Boardrooms I & II
8:00am	Opening of Symposium for day two
8:00-8:15am	Introductory Remarks
8:15-9:15am	<u>Local Keynote Speaker:</u> Anthony J. Windebank, MD Professor of Neurology, Mayo Clinic <i>Topic:</i> Stem Cell Therapies for the treatment of ALS

Doubletree:
Atrium-2nd Floor

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9:15-9:30am	Break	Atrium-2 nd Floor
9:30-10:55am	Session #1: Interfacing Rehabilitation with Gene Therapies	University Halls II-IV
9:30-9:55am	Andre Terzic, MD, PhD Director, Mayo Clinic Center for Regenerative Medicine <i>Title: 'Regenerative Medicine Blueprint: From Principles to Practice'</i>	
9:55-10:20am	Martin Childers, DO, PhD Professor of Rehabilitation Medicine, University of Washington <i>Topic: Gene Therapy for neuromuscular disease</i>	
10:20-10:45am	Christopher H. Evans, PhD Professor of Orthopedics and Physical Medicine and Rehabilitation, Mayo Clinic <i>Topic: Gene Therapy for Cartilage and Bone Regeneration</i>	
10:45-10:55am	Short talk selected from abstracts – TBA	
10:55-11:05am	Break	Atrium-2 nd Floor
11:05-12:30pm	Session #2: Mechanical Stimulation as a Tool to Promote Muscle Regeneration	University Halls II-IV
11:05-11:30am	Nathan LeBrasseur, PhD Associate Professor of Physical Medicine and Rehabilitation, Mayo Clinic <i>Topic: The Effect of Exercise on Skeletal Muscle Signaling Responses</i>	
11:30-11:55am	George J. Christ, PhD Professor of BME and Orthopaedic Surgery University of Virginia <i>Topic: Development of a Tissue Engineered Muscle Repair Technology Platform for Treatment of Volumetric Muscle Loss Injuries</i>	
11:55-12:20pm	Fabrisia Ambrosio, PhD, MPT Assistant Professor, University of Pittsburgh <i>Topic: Electric Stimulation Rejuvenates Muscle Stem Cell Behavior</i>	
12:20-12:30pm	Short talk selected from abstracts – TBA	
12:30-1:30pm	Lunch Break – Buffet Lunch Seating available in University Hall I, Commons and Boardrooms I & II	Atrium-2 nd Floor
12:45-1:15pm	Meet the Mentor	Commons Room
1:15-2:00pm	Poster Session and networking	Chancellor Room

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2:00-3:00pm	Defining Compatibility Gaps and Programmatic Needs: DoD and VA Perspectives Moderator: Thomas Rando, MD, PhD (tentative) Speakers: TBD	University Halls II-IV
3:00-3:15pm	Break	Atrium-2 nd Floor
3:15-4:50pm	Session #3: Manipulation of the Microenvironment to Enhance Neurological Regeneration and Recovery	University Halls II-IV
3:15-3:50pm	Linda Noble – Haeusslein, PhD Professor of Neurological Surgery and Physical Therapy and Rehabilitation, University of California, San Francisco <i>Topic: Optimizing a Platform for Regenerative Strategies in SCI</i>	
3:50-4:15pm	Randy Trumbower, PT, PhD Assistant Professor of Rehabilitation Medicine, Emory University <i>Topic: Intermittent Hypoxia for the Treatment of SCI</i>	
4:15-4:40pm	Kendall H. Lee, MD, PhD Professor of Neurosurgery and Physiology, Mayo Clinic <i>Topic: Limb Reanimation in SCI</i>	
4:40-4:50pm	Short talk selected from abstracts – TBA	
4:50-5:00pm	Break	Atrium-2 nd Floor
5:00-6:00pm	<u>Keynote Speaker:</u> Tony Wyss-Coray, PhD Professor of Neurology, Stanford University <i>Topic: Systemic factors regulating brain function and behavior</i>	University Halls II-IV
6:00pm	Conclusion of day two	<u>Mayo Clinic:</u>
6:00-8:00pm	Reception and Tours of Mayo Campus facilities	Dan Abraham Healthy Living Ctr.
<u>Sat, Sept. 26th</u> 7:15-8:15am	Continental Breakfast	<u>Doubletree:</u> Atrium-2 nd Floor
8:00am	Opening of Symposium (last day)	University Halls II-IV
8:00-9:00am	Discussion on 'Global Perspectives in Regenerative Rehabilitation' Moderated by: Michael Boninger, MD Medical Director of the Center of Excellence in Wheelchairs and Associated Rehabilitation Engineering at the VA Pittsburgh Health Care System and Professor and Chair, Physical Medicine and Rehabilitation, University of Pittsburgh	University Halls II-IV

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9:00-9:10am	Break	Atrium-2 nd Floor
9:10-10:25am	Session #4: Interfacing Rehabilitation with Stem Cell Therapies	University Halls II-IV
9:10-9:35am	George H. Kraft, MD Professor of Rehabilitation Medicine and Neurology University of Washington <i>Topic: Stem Cell Therapies for the Treatment of Multiple Sclerosis</i>	
9:35-10:00am	Marni D. Boppart, ScD Associate Professor of Kinesiology and Community Health University of Illinois <i>Topic: Stem Cell Transplantation and Exercise for Muscle Regeneration</i>	
10:00-10:25am	Carmen Terzic, MD, PhD Chair, Physical Medicine and Rehabilitation, Mayo Clinic <i>Topic: Stem Cell Therapies and Cardiovascular Rehabilitation</i>	
10:25-11:00am	Panel Discussion on 'Vision of this emerging field from the educators and students perspectives' Moderated by: Anthony Delitto, PhD, PT, FAPTA Professor and Associate Dean of Research, School of Health and Rehabilitation Sciences, University of Pittsburgh	University Halls II-IV
11:00-11:15am	Closing Remarks (Announcement regarding the 5 th Symposium) Randy Trumbower, PT, PhD Assistant Professor of Rehabilitation Medicine, Emory University	University Halls II-IV
11:15am	Conclusion of Symposium	