

4th Annual Regenerative Medicine Essentials

Course Schedule

Day 1: Monday, June 5th

11:45am - 1:15pm	Arrival and Registration		5th floor
1:15pm - 1:30pm	Welcome and Opening Remarks		5107
Session I: Pluripotent Stem Cells and their Progenitors			
1:30pm - 2:15pm	<i>Introduction and Background: PAST, PRESENT, FUTURE - The Evolution of Regenerative Medicine</i>	Anthony Atala, MD	5107
2:15pm - 3:00pm	<i>Stem Cells, Basic Biology, Therapeutics, and Vehicles for Gene Delivery</i>	Graca Almeida Porada, MD, PhD (Chair)	5107
3:00pm - 3:15pm	Coffee Break		5th floor
3:15pm - 4:15pm	<i>MSC's are not SC's</i>	Arnold Caplan, PhD	5107
4:15pm - 5:15pm	<i>Cord-Blood Derived Stem Cells</i>	Joanne Kurtzberg, MD	5107
5:15pm - 5:45pm	Panel and Attendees Discussion & Brief Closing Remarks	Bernard Siegel, JD (Moderator)	5107
5:45pm - 7:00pm	Opening Reception (Heavy Hors D'oeuvres and Beer/Wine)		1st floor courtyard

Day 2: Tuesday, June 6th

7:45am - 8:30am	Continental Breakfast		5th floor
Session II: Biomaterials			
8:30am - 9:15am	<i>Essential Biomaterials Science</i>	David Williams, PhD (Moderator)	5107
9:15am - 10:00am	<i>Citrate-Based Biomaterials Enabling New Tools for Regenerative Engineering</i>	Guillermo Ameer, PhD	5107
10:00am - 10:15am	Coffee Break and Exhibits		5th floor
10:15am - 11:00am	<i>Hydrogel Biomaterials in Regenerative Medicine and Tissue Engineering Applications</i>	Aleks Skardal, PhD	5107
11:00am - 11:45am	<i>Immune Modulatory Biomaterials for Cell-Based Therapies</i>	Omid Veisesh, PhD	5107
11:45am - 12:15pm	Panel and Attendees Discussion		5107
12:15pm - 1:45pm	Lunch and Exhibits		5th floor
12:15pm - 1:45pm	Career Pathways Lunch Session I (From Postdoc to Faculty)	Christina Ross, PhD Peter Prim, PhD & Renata Magalhaes, MD (Student Chairs/Moderators)	5207
Session III: Enabling Technologies			
1:45pm - 2:30pm	<i>Overview of Enabling Technologies in Regenerative Medicine (w/ Gene Therapy Applications)</i>	Christopher Porada, PhD (Chair)	5107
2:30pm - 3:15pm	<i>Tracking Stem Cells Anywhere in the Body - A Look at Regenerative Imaging</i>	Frank Marini, PhD	5107
3:15pm - 3:45pm	Coffee Break and Exhibits		5th floor
3:45pm - 4:15pm	<i>Bioprinting and Processes 101</i>	John Jackson, PhD	5107
4:15pm - 5:00pm	<i>CRISPR-Cas9 in the Clinic</i>	Daniel G. Anderson, PhD	5107
5:00pm - 5:30pm	Panel and Attendees Discussion		5107
5:30pm - 6:15pm	Refreshments		5th Floor

Day 3: Wednesday, June 7th

7:45am - 8:30am	Continental Breakfast <i>Sign up for WFIRM Tours</i>		5th floor
Session IV: Cell Therapies			
8:30am - 9:15am	<i>Overview w/Applications of Perinatal Stem Cells</i>	Sean Murphy, PhD (Chair)	5107
9:15am - 10:15am	<i>iPSC-based blood regenerative therapies</i> Coffee	Igor Slukvin, MD, PhD	5107
10:15am - 10:30am	Break and Exhibits		5th floor
10:30am - 11:30am	<i>Scale to Survive: The Future of Cell Therapy</i>	Robert Preti, PhD	5107
11:30am - 12:00pm	Panel and Attendees Discussion		5107
12:00pm - 1:15pm	Lunch and Exhibits		5th floor
12:00pm - 4:00pm	RMF Executive Board Meeting (Invitation only)		5402
Session V: Tissue Engineered Products & Technologies (TEMPs)			
1:15pm - 1:45pm	<i>Considerations for Developing Tissue Engineered and Regenerative Medicine Products</i>	James Yoo, MD, PhD (Chair)	5107
1:45pm - 2:15pm	<i>Biomaterials Commercialization</i>	Tony Mikos, PhD	5107
2:15pm - 2:45pm	<i>Commercial Applications of Bioprinting in Regenerative Medicine, Pharmaceuticals and Beyond</i>	Gabor Forgacs, PhD	5107
2:45pm - 3:15pm	Panel and Attendees Discussion		5107
3:15pm - 4:00pm	Coffee Break and Exhibits		5th floor
	WFIRM Lab Tours		
3:30pm - 5:30pm	<i>Shuttle Service or Walk. Van shuttle to WFIRM from WF Medical Education Center from 3:15pm to 5:45pm.</i>	<i>Tours begin at 3:30; 3:50 and 4:10 pm</i>	Outside main lobby entrance
4:00pm - 5:30pm	Social Networking at WFIRM with Refreshments		WFIRM Patio

Day 4: Thursday, June 8th

8:00am - 8:45am	Continental Breakfast		5th floor
Session VI: Regulatory, Process Development & Manufacturing			
8:45am - 9:15am	<i>Translational Research from Proof-of Concept to Clinical Trials</i>	Julie Allickson, PhD (Chair)	5107
9:15am - 10:00am	<i>Think Like a Regulator: US FDA Considerations for Preclinical Studies for Regenerative Medicine Products</i>	Becky Robinson-Zeigler, PhD	5107
10:00am - 10:15am	Coffee Break and Exhibits		5th floor
10:15am - 11:00am	<i>Regulation of Regenerative Medicine therapy products in the U.S.</i>	Steve Oh, PhD	5107
11:00am - 11:45am	<i>Regional and Global Perspectives</i>	David Williams, PhD	5107
11:45am - 12:15pm	Panel and Attendees Discussion		5107
12:15pm - 1:30pm	Lunch and Exhibits		5th floor
12:15pm - 1:30pm	Career Pathways Lunch Session II (Federal Perspectives)	Kevin Enck & Oula Khoury (Student Chairs/Moderators)	5207
Session VII: IRB, Clinical Trials & Bioethics			
1:30pm - 2:30pm	<i>IRBs and Translational Research: Overlooking the Cutting Edge</i>	Daniel K. Nelson, MS, CIP	5107
2:30pm - 3:00pm	<i>Translational Regenerative Medicine Research: Ethics Overview</i>	Nancy King, JD	5107
3:00pm - 3:15pm	Coffee Break and Exhibits		5th floor
3:15pm - 3:45pm	<i>Understanding NIH Funding of Regenerative Medicine (WebEx)</i>	Rosemarie Hunziker, PhD	5107

3:45pm - 4:45pm	<i>Cardiac Regenerative Medicine (Clinical Trials Case Studies)- Tentative Title</i>	Rachel Smith, PhD	5107
4:45pm - 5:00pm	Panel and Attendees Discussion	Bernard Siegel, JD (Moderator)	5107
5:00pm - 5:30pm	Refreshments		5th floor
5:30pm - 6:45pm	NC BBQ and Social Networking		Bailey Park

Day 5: Friday, June 9th

8:00am - 8:45am	Continental Breakfast		5th floor
Session VIII: Commercialization			
8:45am - 9:30am	<i>IP 101: Securing IP for Regenerative Medicine</i>	Julie Watson, JD	5107
9:30am - 10:00am	<i>Opportunities and Risks in Commercializing Novel Regenerative Medicine Technologies</i>	Beth Fordham-Meier	5107
10:00am - 10:15am	Coffee Break		5th floor
10:15am - 11:00am	<i>Commercialization and the Pathways to Market (Case Study)</i>	Doris Taylor, PhD	5107
11:00am - 11:45am	<i>CIRM 2.0 and Beyond</i>	C. Randal Mills, PhD	5107
11:45am - 12:00pm	Wrap-Up and Concluding Remarks		5107