

TISSUE REPAIR & REGENERATION

June 17-22, 2007
Colby-Sawyer College
New London, NH

2:00 pm - 11:00 pm	Arrival and Check-in
6:00 PM	Dinner
7:30 pm - 7:40 pm	Welcome / Introductory Comments by GRC
7:40 pm - 7:45 pm	Site Staff
7:45 pm - 9:30 pm	Welcome: Jack Gauldie (McMaster)
7:55 pm - 8:15 pm	INFLAMMATION/STRESS MOLECULAR TRIGGERS
8:15 pm - 8:25 pm	Discussion Leader: Luisa DiPietro (Chicago)
8:25 pm - 8:45 pm	Chanden Sen (Columbus)
8:45 pm - 8:55 pm	"Dead Cell Clearance in Wound Inflammation"
8:55 pm - 9:15 pm	Discussion
9:15 pm - 9:25 pm	Hynda Kleinman (NIH)
MONDAY	"Thymosin b4"
7:30 am - 8:30 am	Discussion
9:00 am - 12:30 pm	Hannu Larjava (U British Columbia)
9:00 am - 9:20 am	"Integrin $\alpha\beta6$, inflammation and wound healing"
9:20 am - 9:30 am	Discussion
9:30 am - 9:50 am	Breakfast
9:50 am - 10:00 am	CELL MIGRATION AND WOUND CLOSURE
10:00 AM	Discussion Leader: Fred Grinnell (U Texas)
10:20 am - 10:40 am	Pierre Coulombe (Johns Hopkins)
10:40 am - 10:50 am	"Keratins influence cell migration"
10:50 am - 11:10 am	Discussion
11:10 am - 11:20 am	Bill Parks (Seattle)
11:20 am - 11:30 am	"Matrix integrins and MMP's"
11:30 am - 11:35 am	Discussion
11:35 am - 11:45 am	Coffee Break / Group Photo
11:45 am - 11:50 am	Liz Fini (U Florida)
	"Epithelial cell migration in the Eye"
	Discussion
	Fred Grinnell (U Texas)
	"3D model of wound closure"
	Discussion
	Tai-Lan Tuan (USC)
	"PAI-1 and Keloid Pathogenesis"
	Discussion
	Pascal Silberzan (Paris)
	"Healing of model wounds: a physicist view"
	Discussion

11:50 am - 12:00 pm	Thomas Hunt (UCSF) "Glycolysis with oxygen regulates wound closure, cell migration and revascularization"
12:00 pm - 12:05 pm	Discussion
12:05 pm - 12:30 pm	Further Discussion
12:30 PM	Lunch
1:30 pm - 4:00 pm	Free Time
4:00 pm - 6:00 pm	Poster Session I
6:00 PM	Dinner
7:30 pm - 9:30 pm	GROWTH FACTORS IN REPAIR Discussion Leader: Kathy Flanders (NIH) Sabine Werner (ETH Switzerland) "Signaling in wounded skin"
7:30 pm - 7:50 pm	Discussion
7:50 pm - 8:00 pm	Gary Grotendorst (Lovelace US)
8:00 pm - 8:20 pm	"CTGF in repair"
8:20 pm - 8:30 pm	Discussion
8:30 pm - 8:50 pm	Lillian Nanney (Vanderbilt) "EGF signaling and epidermal closure"
8:50 pm - 9:00 pm	Discussion
9:00 pm - 9:10 pm	Boris Hinz (EPFL Switzerland) "Myofibroblast contraction activates TGF β 1 from the ECM and establishes a mechanically controlled autocrine loop"
9:10 pm - 9:15 pm	Discussion
9:15 pm - 9:25 pm	Bruce Riser (Rosalind Franklin University) "TNF-alpha, but not IFN-gamma, Regulates CCN2 (CTGF), Collagen Type I, and Proliferation in Mesangial Cells: Possible Roles in Tissue Repair and Fibrosis in Renal Disease"
9:25 pm - 9:30 pm	Discussion
9:25 pm - 9:30 pm	TUESDAY
7:30 am - 8:30 am	Breakfast
9:00 am - 12:30 pm	REGENERATION Discussion Leader: Maria Sibilja (U Vienna) Ellen Haber-Katz (Philadelphia) "Regenerative healing - MRL mouse"
9:00 am - 9:20 am	Discussion
9:20 am - 9:30 am	Pascal Dufourcq (Paris)
9:30 am - 9:50 am	"Regeneration in Zebrafish"
9:50 am - 10:00 am	Discussion
10:00 AM	Coffee Break
10:20 am - 10:40 am	Detlef Schuppan (Harvard) "Reversibility of Liver Fibrosis"
10:40 am - 10:50 am	Discussion
10:50 am - 11:00 am	Martin Kolb (McMaster) "Small animal imaging in the assessment of inflammation and repair in lung disease models"

11:00 am - 11:05 am	Discussion
11:05 am - 11:15 am	David Becker (University College London) "Improving diabetic wound healing"
11:15 am - 11:20 am	Discussion
11:20 am - 11:30 am	Manuela Martins-Green (UCal Riverside) "A Novel Function for VEGF During Wound Repair"
11:30 am - 11:35 am	Discussion
11:35 am - 11:45 am	David Gardiner (UC Irvine) "Urodele limb regeneration as a model for wound healing and regeneration in humans"
11:45 am - 11:50 am	Discussion
11:50 am - 12:00 pm	Craig Crews (Yale) "Epithelial positional discontinuity in regenerative wound epidermis formation"
12:00 pm - 12:05 pm	Discussion
12:05 pm - 12:30 pm	Additional Discussion
12:30 PM	Lunch
1:30 pm - 4:00 pm	Free Time
4:00 pm - 6:00 pm	Poster Session II
6:00 PM	Dinner
7:30 pm - 9:30 pm	MODELS OF TISSUE REPAIR Discussion Leader: Jack Gauldie (McMaster)
7:30 pm - 7:50 pm	Mike Galko (MD Anderson) "Wound healing in Drosophila"
7:50 pm - 8:00 pm	Discussion
8:00 pm - 8:20 pm	Paul Martin (Bristol) "Wound healing in Zebrafish"
8:20 pm - 8:30 pm	Discussion
8:30 pm - 8:50 pm	Tom Mustoe (Chicago) "Ischemic models of wound healing"
8:50 pm - 9:00 pm	Discussion
9:00 pm - 9:10 pm	Livingston Van de Water (Albany) "TGF-beta1 slows the growth of pathogenic myofibroblasts through a mechanism requiring the focal adhesion protein, Hic-5"
9:10 pm - 9:15 pm	Discussion
9:15 pm - 9:25 pm	Ryochi Mori (Bristol UK) "Molecular mechanisms linking wound inflammation and fibrosis - knockdown of osteopontin leads to rapid repair and reduced scarring"
9:25 pm - 9:30 pm	Discussion
WEDNESDAY	
7:30 am - 8:30 am	Breakfast
9:00 am - 12:30 pm	SCARRING AND REGENERATION Discussion Leader: Alain Mauviel (INSERM)
9:00 am - 9:20 am	David Warburton (USC) "Lung development and repair"
9:20 am - 9:30 am	Discussion

9:30 am - 9:40 am	Friederike Bohm (Zurich) "The role of FGF Receptor signaling in Liver regeneration and disease"
9:40 am - 9:45 am	Discussion
9:45 AM	Coffee Break
10:20 am - 10:40 am	Erwin Bottinger (Mt Sinai) "Kidney podocytes and Fibrosis"
10:40 am - 10:50 am	Discussion
10:50 am - 11:10 am	Paul Noble (Duke) "Matrix signaling in Fibrosis"
11:10 am - 11:20 am	Discussion
11:20 am - 11:40 am	Bob Strieter (Virginia) "Fibrocytes and Lung Repair"
11:40 am - 11:50 am	Discussion
11:50 am - 12:00 pm	Irena Pastar (New York) "Deregulation of differentiation and activation pathways in epidermis of chronic wounds"
12:00 pm - 12:05 pm	Discussion
12:05 pm - 12:15 pm	Daniel Babcock (Houston) "A genetically tractable model of Wound-induced Inflammation"
12:15 pm - 12:20 pm	Discussion
12:20 pm - 12:30 pm	Additional Discussion
12:30 PM	Lunch
1:30 pm - 4:00 pm	Free Time
4:00 pm - 6:00 pm	Poster Session III
6:00 PM	Dinner
7:30 pm - 9:30 pm	BIOENGINEERING Discussion Leader: Molly Shoichet (Toronto)
7:30 pm - 7:50 pm	Jeremy Mao (Columbia) "Craniofacial Tissue engineering"
7:50 pm - 8:00 pm	Discussion
8:00 pm - 8:20 pm	David Mooney (Harvard) "Directed Vascular remodeling"
8:20 pm - 8:30 pm	Discussion
8:30 pm - 8:50 pm	Molly Shoichet (Toronto) "Polymer scaffolds and Tissue formation"
8:50 pm - 9:00 pm	Discussion
9:00 pm - 9:10 pm	Roger DeFilippo (USC) "In Situ injection of Amniotic Fluid Stem Cells for the development of new renal tissue in the laboratory"
9:10 pm - 9:15 pm	Discussion
9:15 pm - 9:25 pm	Jeffery Hartgerink (Houston) "Multi-domain self-assembled Nanofibers as scaffolds for tissue engineering"
9:25 pm - 9:30 pm	Discussion
THURSDAY	
7:30 am - 8:30 am	Breakfast
8:30 am - 9:00 am	Business Meeting

	(Nominations for the next Vice Chair; Fill out Conference Evaluation Forms; Discuss future Site & Scheduling preferences; Election of the next Vice Chair)
9:00 am - 12:30 pm	STEM CELLS AND REGENERATION/REPAIR Discussion Leader: Rick Bucala (Yale)
9:00 am - 9:20 am	Barry Stripp (Pittsburgh) "Stem cells in epithelial repair"
9:20 am - 9:30 am	Discussion
9:30 am - 9:50 am	Diane Krause (Yale) "Stem cells and epithelium"
9:50 am - 10:00 am	Discussion
10:00 AM	Coffee Break
10:20 am - 10:40 am	Eric Neilson (Vanderbilt) "EMT in repair"
10:40 am - 10:50 am	Discussion
10:50 am - 11:10 am	Stephen Nishimura (UCSF) "Epithelial-mesenchymal trophic unit"
11:10 am - 11:20 am	Discussion
11:20 am - 11:40 am	George Cotsarelis (Philadelphia) "Epithelial stem cells in hair follicles"
11:40 am - 12:00 pm	Discussion
12:00 pm - 12:20 pm	Kari Alitalo (Helsinki) "Lymphangiogenesis"
12:20 pm - 12:30 pm	Discussion
12:30 PM	Lunch
1:30 pm - 4:00 pm	Free Time
4:00 pm - 6:00 pm	Poster Session IV
6:00 PM	Dinner
7:30 pm - 9:30 pm	ANGIOGENESIS, LYMPHANGIOGENESIS AND NEUROGENESIS Discussion Leader: Jeffrey Davidson (Vanderbilt)
7:30 pm - 7:40 pm	Phil Stephens (Cardiff) "Isolation and characterization of multipotent cells from the Oral Mucosa for Tissue Repair and Regeneration"
7:40 pm - 7:45 pm	Discussion
7:45 pm - 8:05 pm	Nancy Boudreau (UCSF) "HOX genes in angiogenesis and repair"
8:05 pm - 8:15 pm	Discussion
8:15 pm - 8:35 pm	Holger Gerhardt (Cancer Res UK) "Angiogenic sprouting"
8:35 pm - 8:45 pm	Discussion
8:45 pm - 9:05 pm	Larry Benowitz (Boston) "Neuronal growth in Tissue Repair"
9:05 pm - 9:15 pm	Discussion
9:15 pm - 9:30 pm	Additional Discussion
FRIDAY	
7:30 am - 8:30 am	Breakfast

9:00 AM

Depart