

The 54<sup>th</sup> annual

# Montagna Symposium on the Biology of Skin

presents

## Tissue Remodeling and Repair: Molecular Mechanisms and Clinical Challenges

October 13<sup>th</sup> – 17<sup>th</sup>, 2005  
Salishan Resort, Gleneden Beach, Oregon

### Program Committee

**Sabine Werner, PhD (Chair)**

**Jeffrey M. Davidson, PhD (Vice-Chair)**

Judy Abraham, PhD

Jackie Bickenbach, PhD

Lillian B. Nanney, PhD

William C. Parks, PhD

Xiao-Jing Wang, MD, PhD

### Symposium Co-Chairs

Molly Kulesz-Martin, PhD

Jackie R. Bickenbach, PhD

## Program

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### Thursday, October 13

#### THURSDAY EVENING

##### Keynote session

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6:00 pm

*Opening Reception*

7:00 pm

**Welcome and Introductions**

7:15 pm

**Paul Martin**

“Wound healing in genetically tractable organisms”

**Friday, October 14**

**FRIDAY MORNING**

8:30 am

**Sabine Werner, Molly Kulesz-Martin, Jackie Bickenbach**

Welcome and Thanks; Announcements

**Inflammation**

**Discussion Leader: Jackie Bickenbach**

8:45 am

**Karin Scharffetter-Kochanek**

“Wound-healing defect of CD18<sup>-/-</sup> mice due to a decrease in TGF- $\beta_1$  and myofibroblast differentiation”

9:30 am

**Brian Nickoloff**

“Lessons learned from psoriatic plaques that address questions concerning mechanisms of tissue repair and remodeling”

10:15 am

*Break*

10:30 am

**Walter Wahli**

“PPARbeta/delta as regulator of cell survival and tissue repair”

11:15 am

**Dennis Roop**

“Reactivation of developmentally expressed p63 isoforms accelerates tumor progression”

12:15 – 1:30 pm

*Lunch on own*

## FRIDAY AFTERNOON

### **Cell-Matrix Interactions**

**Discussion Leader: Jeffrey Davidson**

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1:30 pm

**Lisa Coussens**

"Inflammation and stromal remodeling in cancer"

2:15 pm

**George Davis**

"Matrix metalloproteinases (MMPs) and tissue inhibitor of metalloproteinases (TIMPs) regulate a molecular balance of capillary tube morphogenesis versus regression during wound repair"

3:00 pm

*Break*

3:15 pm

**William Parks**

"Metalloproteinases in epithelial repair"

4:00 pm

**Richard Clark**

" 'Smart' matrix (engECM), composed of hyaluronan (HA) and recombinant fibronectin functional domains (rFNfd), promotes robust en masse migration of adult human dermal fibroblasts (AHDF) and *in vivo* wound repair"

4:15 pm

**Leslie Gold**

"Calreticulin enhances wound healing via multiple biological effects"

### **Poster Reception**

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5:00 pm

**Jackie Bickenbach**

Presentation of Farber Travel Awards

*Poster Session Introductions and Announcements*

5:15 – 7:00 pm

**Poster Reception**

**Andrew Blauvelt**, poster tour guide

## FRIDAY EVENING

7:00 pm

*Dinner on own*

## Saturday, October 15

### SATURDAY MORNING

#### Scarring and Fibrotic Disease                      Discussion Leader: William Parks

8:30 am

**Thomas Krieg**

"Fibroblast-matrix interactions in tissue repair and fibrosis"

9:15 am

**Paul Noble**

"Hyaluronan in lung injury, inflammation and repair"

10:00 am

**Susan Gilmour**

"Effect of elevated polyamine biosynthesis in cutaneous wound healing"

10:15 am

*Break*

10:30 am

**Jean Schwarzbauer**

"Modulation of cell-matrix interactions in tissue repair"

11:15

**Sabine Eming**

"Regulation of VEGF-A protein activity during wound repair"

11:30

**Donna Kusewitt**

"EGF modulates Slug expression during cutaneous wound re-epithelialization"

12:00 – 1:00 pm

*Lunch on own*

### SATURDAY AFTERNOON

1:00pm

#### **Coastal Hills Hike or Oregon Coast Aquarium Excursion**

*(bus to Aquarium and carpools to hike trailhead depart from outside hotel lobby at 1:00pm)*

### SATURDAY EVENING

6:00 pm

**Banquet Dinner**

**Cedar Room, Salishan Resort**

*Founding Member Recognition: **Walter Lobitz***

**Sunday, October 16**

**SUNDAY MORNING**

**Epithelial Morphogenesis and Repair                      Discussion Leader: Paul Martin**

8:30 am

**Manfred Blessing**

"Target genes of transforming growth factor- $\beta$  (TGF- $\beta$ ) and granulocyte/macrophage colony stimulating factor (GM-CSF) during wound healing and tumorigenesis"

9:15 am

**Norbert Fusenig**

"Epidermal-dermal interactions via diffusible factors regulate skin tissue regeneration"

10:00 am

*Break*

10:15 am

**Sabine Werner**

"Cytoprotective signaling pathways in wound healing and cancer"

11:00 am

**James Rheinwald**

"A keratinocyte wound-related hypermotility and p16<sup>INK4A</sup> growth arrest response activated by the  $\gamma$ 2 precursor form of Laminin 5 and regulated by the TGF $\beta$  receptor"

11:15 am

**Xiao-Jing Wang**

"Stage-specific effects of TGF $\beta$  signaling on wound healing"

12:00 – 1:00 pm

*Lunch on own*

## SUNDAY AFTERNOON

### Novel Approaches

**Discussion Leader: Judy Abraham**

1:00 pm

**Jackie Bickenbach**

"Epidermal stem cells assist in wound healing"

1:45 pm

**Bruce Cronstein**

"Adenosine A<sub>2A</sub> receptors and dermal fibrosis; a pathogenic role for adenosine in diffuse dermal fibrosis"

2:00 pm

**Jeffrey Davidson**

"CARP: Fishing for novel mechanisms of neovascularization"

2:45 pm

**Jeffrey Hubbell**

"Matrix-Bound Growth Factors in Soft Tissue Repair"

3:30 pm

**Lillian Nanney**

"Multiple Ligand and Receptor Forms Can Modulate Wound Repair by Creating Differential Signaling and Downstream Outcomes"

### Break out sessions Discussion leaders: Richard Clark, Karin Scharffetter-Kochanek

4:15 pm

**Break-out session introductions**

4:30 – 5:00 pm

**Break-out sessions** (*with snack*)

Discussion Topic: Bridging the basic understanding of wound healing to clinical applications and therapeutic development

5:00 – 6:00 pm

**Break-out session reports from small group leaders**

## SUNDAY EVENING

6:00 pm

*Salmon Bake on the beach at home of Diane Baker, M.D.*

*Bus departs Salishan at 6:00 pm*

## Monday, October 17

### MONDAY MORNING

#### Summation

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8:00 am

Informal discussion session during breakfast

9:00 am

*Bus departs Salishan for Portland International Airport (arrival by noon)*