

The 59th annual

Montagna Symposium on the Biology of Skin

presents

Small Molecules: Skin as the First Line of Defense

October 7th – 11th, 2010
Salishan Resort, Gleneden Beach, Oregon

Program Chair
Richard Gallo, MD, PhD

Symposium Co-Chairs
Molly Kulesz-Martin, PhD
Jackie R. Bickenbach, PhD

Program

Thursday, October 7

THURSDAY EVENING

KEYNOTE SESSION

4:30 pm

Hotel check-in (front desk) and Symposium check-in (Long House foyer)

6:00 pm

Opening Reception *(Council House)*

7:00 pm

Richard Gallo, MD, PhD

Welcome and Introductions *(Long House)*

7:15 pm

Keynote Talk:

Michael Zasloff, MD, PhD

"A few observations about the immunity of skin that I wish I could better understand"

Friday, October 8

FRIDAY MORNING

7:00-8:00 am

Breakfast (Long House foyer)

8:00 am **Molly Kulesz-Martin, PhD**

Welcome and Thanks; Announcements

8:15 am **Richard Gallo, MD, PhD**

Introduction

SCIENCE-DRIVEN THERAPEUTICS

Session Chair: Michael Zasloff

8:30 am **Barbara Gilchrest, MD**

"Topical oligonucleotides: Challenges and opportunities"

9:15 am **Peter Elias, MD**

"Epidermis as a neurosensory and psychosensory interface"

10:00 am

Break

10:15 am **Xiao-Jing Wang, PhD**

"Targeting TGF β 1-induced inflammatory skin diseases"

11:00 am **William Fenical, PhD**

"Lessons from life in the sea: We are not alone"

11:45 am **Richard Granstein, MD**

"Modulation of cutaneous immunity and inflammation by products of nerves"

12:30 – 2:00 pm

Lunch on own

FRIDAY AFTERNOON

HOST DEFENSE PEPTIDES

Session Chair: Peter Elias

2:00 pm **Jens-Michael Schroeder, PhD**

"Human skin-derived antimicrobial peptides and beyond"

2:45 pm **Michel Gilliet, MD**

"Sensing self-nucleic acids by plasmacytoid dendritic cells: A new inflammatory pathway of the skin"

- 3:30 pm **Jamie J. Bernard, PhD**
 "Cox-2 activity is required for enhanced antimicrobial peptide expression and bacteriocidal activity in human keratinocytes"
- 3:45 pm **Andrew Johnston, PhD**
 "IL-1F5, F6, F8, and F9: A novel IL-1 family signaling system that is active in psoriasis and promotes keratinocyte antimicrobial peptide expression"

POSTER SESSION

- 4:00 pm **Jackie R. Bickenbach, PhD**
 Presentation of SID/Eugene M. Farber Travel Awards for Young Investigators
- 4:15 – 6:45 pm
 Poster Reception (*Long House & Long House foyer*)
 Poster tour for residents and clinicians lead by **Andrew Blauvelt, MD**

Saturday, October 9

SATURDAY MORNING

- 7:00-8:00 am
 Breakfast (Long House foyer)
- 8:00 am
 Announcements

NEUROENDOCRINE FUNCTIONS IN SKIN

Session Chair: Martin Steinhoff

- 8:15 am **Martin Steinhoff, MD, PhD**
 "The skin as a neuro-immune organ: Implications in inflammation, pruritus and pain"
- 9:00 am **Katherine Radek, PhD**
 "Cholinergic stimulation suppresses cutaneous innate antimicrobial activity"
- 9:45 am **Stephen Ostrowski, MD, PhD**
 "Nerve-derived substance P (SP) and calcitonin gene related peptide (CGRP) sustain CD11c⁺ and CD4⁺ cutaneous cell infiltration and contribute to acanthosis in the KC-Tie2 mouse model of psoriasis"
- 10:00 am
 Break
- 10:15 am **Daniel Bikle, MD, PhD**
 "The nonclassic actions of vitamin D"
- 11:00 am **José R. Fernández, PhD**
 "Isoprenylcysteine (IPC) analogs, G-protein CAAX tail mimics, are a new class of topical anti-inflammatories with a low potential for adverse effects"

11:15 am **Amala Soumyanath, PhD**
 "Human melanocytic cell responses to piperine"

11:30 am **Ferda Cevikbas, PhD**
 "Interleukin-31 induces scratching in mice via IL-31RA/OSMR β activation in untreated as well as oxazolone-sensitized skin"

11:45 am
 Lunch on own

SATURDAY AFTERNOON

1:00 pm

Coastal Hills Hike OR Oregon Coast Aquarium Excursion

*(bus to Aquarium departs from outside hotel lobby at 1:00 pm;
carpools to hike trailhead gather at 1:10 pm)*

SATURDAY EVENING

6:00 pm

Banquet Dinner *(Council House)*

Jeffrey Kahn, PhD, MPH - Guest Speaker

*Director and Professor, Center for Bioethics; Professor, Department of
Medicine, University of Minnesota Medical School*

"When Science and Art Collide"

Sunday, October 10

SUNDAY MORNING

7:00-8:00 am

Breakfast (Long House foyer)

8:00 am

Announcements

SMALL MOLECULES OF THE SKIN BARRIER

Session Chair: Andrew Blauvelt

8:15 am **Thomas Luger, MD**

"Small neuropeptide derived molecules: Mediators of inflammation in the skin with a therapeutic potential"

9:00 am **Bob Hancock, PhD**

"Science-driven medicine: New strategies for combating infections"

9:45 am **Luowei Li, PhD**

"Cutaneous multidrug transporter (ABCB1), a new player in skin drug delivery: A tale from the skin cancer chemotherapeutic agent PEP005"

10:00 am

Break

