The 57th annual Montagna Symposium on the Biology of Skin presents

The Biologic Basis of Psoriasis

October 2nd – 6th, 2008
Salishan Resort, Gleneden Beach, Oregon

Program Chairs
Andrew Blauvelt, MD
Anne M. Bowcock, PhD

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

Program

Thursday, October 2

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
Welcome & Introductions

7:15 pm
Keynote Talk:
Rene de Waal Malefyt, PhD

"Interleukin-23 and the T helper 17 (Th17) T cell subset in autoimmune inflammation"
Friday, October 3

FRIDAY MORNING

7:30-8:30 am
Breakfast (Long House foyer)

8:30 am  Molly Kulesz-Martin, PhD
Welcome and Thanks; Announcements

M O L E C U L A R   G E N E T I C S   1

8:45 am  Anne M. Bowcock, PhD
Introduction

9:00 am  James T. Elder, MD
"Genome-wide association scan of psoriasis"

9:45 am  Joost Schalkwijk, PhD
"Psoriasis is associated with copy number variation of genes involved in innate immunity and skin barrier function"

10:15 am  Break

10:30 am  Anne M. Bowcock, PhD
"An understanding of psoriasis pathogenesis with genomic analyses (global association, copy number and methylation studies)"

11:15 am  Enikő P. Sonkoly, MD, PhD
"MicroRNAs: Novel regulators in psoriasis"

12:00 – 2:00 pm
Lunch on own
FRIDAY AFTERNOON

MOLECULAR GENETICS 2

2:00 am  Julie Segre, PhD
"Diversity profile of the human skin microbiome in health and disease"

2:30 pm  Frank O. Nestle, MD
"The IL23/TH17 axis in psoriasis: From gene to function and therapy"

3:15 pm  Cailin Joyce, BS
"Global microRNA analysis in human skin reveals microRNA regulatory networks involved in psoriasis susceptibility and pathogenesis"

3:30 pm  Cristina de Guzman Strong, PhD
"Cis-regulatory elements in the Epidermal Differentiation Complex (EDC): Towards understanding atopic dermatitis and psoriasis"

3:45 pm  Yuangling Liu, PhD
"Regulation of psoriatic chemokine CCL20 by Trim32 and Piasy in keratinocytes"

POSTER SESSION

4:00 pm  Jackie R. Bickenbach, PhD
Presentation of Eugene M. Farber Travel Awards for Young Investigators

4:15 – 6:30 pm
Poster Reception  (Long House & Long House foyer)

Saturday, October 4

SATURDAY MORNING

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

8:00 am
Announcements
**MOUSE MODELS**

8:15 am  
**John DiGiovanni, PhD**  
“Role of plasmacytoid dendritic cells (PDCs) in development of psoriatic lesions in BKS.Stat3C transgenic mice”

8:45 am  
**Xiao-Jing Wang, MD, PhD**  
“Role of TGFbeta signaling in psoriasis”

9:15 am  
**Shigetoshi Sano, MD, PhD**  
“Stat3 as a therapeutic target for psoriasis”

9:30 am  
**Brian J. Nickoloff, MD, PhD**  
“Translating preclinical models of psoriasis: From mice to epidermal equivalents”

10:00 am  
*Break*

10:15 am  
**Break-out Discussions**

- Introduction: **Brian J. Nickoloff, MD, PhD**, Session Chair
- Small groups discussion
- Reports to plenary

12:00 pm  
*Lunch on own; box lunch provided if you are joining one of the outings*

**SATURDAY AFTERNOON**

1:00 pm  
**Coastal Hills Hike or Oregon Coast Aquarium Excursion**

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

**SATURDAY EVENING**

6:30 pm  
**Banquet Dinner** *(Council House)*

Remarks: **Mark Lebwohl, MD**  
Professor & Chair, Department of Dermatology,  
The Mount Sinai School of Medicine, New York, NY;  
Chair, Medical Board, National Psoriasis Foundation
Sunday, October 5

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

8:00 am
*Announcements*

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**T Cell & Keratinocyte Biology**

8:15 am  **Rachael A. Clark, MD, PhD**
"Phenotype and function of T cells in normal human skin"

8:45 am  **Kevin D. Cooper, MD**
"Immunoregulation of psoriasis"

9:15 am  **Andrew Blauvelt, MD**
"Identification and quantification of Th17 cells in psoriasis"

9:45 am  **Allen T. Bruce, MD, PhD**
"Induction of IL-17+ T cell trafficking and development by IFN-γ: Mechanism and pathological relevance in psoriasis"

10:00 am **Hideaki Sugiyama, MD, PhD**
"CCR5 expressing CD4+CD25 high regulatory T cells are both numerically and functionally impaired in patients with psoriasis vulgaris"

10:15 am
*Break*

10:30 am  **Wenjun Ouyang, PhD**
"IL-20 subfamily cytokines in the pathogenesis of psoriasis"

11:00 am  **Andrew Johnston, PhD**
"EGFR and IL-1 synergistically promote keratinocyte antimicrobial defenses in a differentiation-dependent fashion"

11:15 am  **Ewout Baerveldt, MD**
"Neuronal activation of innate skin immunity: Stress-mediators enhance antimicrobial barrier"

11:30 am  **Bruce F. Bebo, Jr., PhD**
"Overview of National Psoriasis Foundation research"

11:45 – 1:00 pm
*Lunch on own*
SUNDAY AFTERNOON

HUMAN STUDIES

1:00 pm  
James Krueger, MD, PhD  
“Human biology: Disease definitions (phenotypes) and working pathogenic models”

1:45 pm  
Kristina Callis Duffin, MD  
“Update on the Utah Psoriasis Initiative: Association of genotype and environmental factors with psoriasis and psoriatic arthritis”

2:15 pm  
Joel M. Gelfand, MD  
“Cardiovascular risk and psoriasis: A cutaneous disease which is more than skin deep?”

3:00 pm  
Break

3:15 pm  
Break-out Discussions  
Introduction: Andrew Blauvelt, MD
Small groups discussion
Reports to plenary

SUNDAY EVENING

6:00 pm  
Potlatch Salmon Bake on the beach at home of Diane Baker, MD  
Bus departs Salishan at 6:15 pm (weather dependent); please note there is no parking available near Dr. Baker’s house, so you are requested to take the bus and not drive  
(Inclement weather alternate location: Cedar Tree Room, Salishan, 6:30 pm)

Monday, October 6

7:30-8:30 am  
Breakfast (Long House foyer)

8:45 am  
Airport bus loading (outside hotel lobby)

9:00 am  
Airport bus departs