

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

Posters

Ewout Baerveldt, MD^{1,2}, Rene Kant^{1,2}, Eddy Florencia^{1,2}, Anne Von Bergh^{1,2}, Jon Laman²,
Martino Neumann¹, Errol Prens^{1,2}

*Departments of Dermatology¹ and Immunology², Erasmus MC, University Medical Center,
Rotterdam, The Netherlands*

**Neuronal activation of innate skin immunity: Stress-mediators enhance antimicrobial
barrier**

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TNF-alpha regulation of S100A8 and S100A9 in human keratinocytes

Allen Bruce¹, I. Kryczek², J.E. Gudjonsson¹, A. Johnston¹, A. Aphale¹, L. Vatan², W. Szeliga², Y.
Wang², Y. Liu², T.H. Welling², W. Zou^{2,5}, J.T. Elder^{1,3,4}

*Departments of Dermatology¹, Surgery², Radiation Oncology³, and Microbiology and Immunology⁵,
University of Michigan Medical School, Ann Arbor, MI; Ann Arbor Veterans Affairs Hospital⁴, Ann
Arbor, MI*

**Induction of IL-17+ T cell trafficking and development by IFN- γ : Mechanism and
pathological relevance in psoriasis**

Cristina de Guzman Strong¹, Karen Sears², Julia Segre¹

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Champaign², Urbana, IL*

**Cis-regulatory elements in the Epidermal Differentiation Complex (EDC): Towards
understanding atopic dermatitis and psoriasis**

Ingrid Freeny¹, Bing-Jian Feng¹, Razieh Soltani-Arabsahi¹, A.B. Begovich², S.J. Schrod², K.P.
Callis Duffin¹, G.G. Krueger¹

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Association of IL13 polymorphism with psoriatic arthritis (PsA)

Shilpa Gattu¹, Rashid M. Rashid MD PhD², Jashin J. Wu, MD¹

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308nm excimer laser in psoriasis vulgaris, scalp psoriasis, and palmoplantar psoriasis

Emiliano Giardina, Cecilia Sinibaldi, Giuseppe Novelli
Tor Vergata University of Rome, Rome, Italy

Solving the puzzle of PSORS4

Johann E. Gudjonsson¹, Jun Ding², Rajan Nair¹, Philip Stuart¹, Abhishek Aphale¹, John J. Voorhees¹, Goncalo Abecasis², James T. Elder^{1,3}

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Global gene expression analysis reveals evidence for decreased lipid biosynthesis and increased innate immunity in uninvolved psoriatic skin

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Low expression of the IL-23/Th17 pathway in atopic dermatitis compared to psoriasis

Reto Huggenberger, Michael Detmar

Institute of Pharmaceutical Sciences, Swiss Federal Institute of Technology, ETH Zurich, Switzerland

(Lymph)angiogenesis – new inflammation-related targets in psoriasis?

Lars Iversen, Claus Johansen, Louise Lilleholt, Trine Bengtson, Louise Søggaard, Anne Funding, Knud Kragballe

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p38 pathway kinases: Targets in the treatment of psoriasis

Andrew Johnston, PhD, Johann Eli Gudjonsson MD PhD, Abhishek Aphale MD, James T. Elder MD

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EGFR and IL-1 synergistically promote keratinocyte antimicrobial defenses in a differentiation-dependent fashion

Cailin E. Joyce, Anne M. Bowcock

Department of Genetics, Washington University at St. Louis, Saint Louis, MO

Global microRNA analysis in human skin reveals microRNA regulatory networks involved in psoriasis susceptibility and pathogenesis

Yuangang Liu, James Lagowski, Shangpu Gao, James Raymond, Molly Kulesz-Martin

Department of Dermatology, Oregon Health & Science University, Portland, OR

Regulation of psoriatic chemokine CCL20 by Trim32 and Piasy in keratinocytes

Jennifer Pons¹, Wilson Liao^{1,2}, Judith Hong², Bonnie Koo², Eunice Wan¹, Matt Akana¹, Pui-Yan Kwok^{1,2}

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Gene expression profiling to predict response to Adalimumab in psoriasis

Leslie van der Fits¹, **Errol P. Prens**¹, Sabine Mourits¹, Jane S.A. Voerman², Rene Kant, Louis Boon⁴, Jon D. Laman², Anne-Marie Mus³, Eddy Florencia¹, Erik Lubberts³

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Single innate antigen receptor triggering induces psoriasis-like skin inflammation in mice and is mediated via the IL-23/IL-17 immune pathway

Susan Rutberg, Meredith Kolpak, Shanu Mehta

Magen Biosciences, Inc., Waltham, MA

Novel vitamin D receptor modulators normalize human keratinocyte differentiation *in vitro*

Shigetoshi Sano, Ken Miyoshi, Kimiko Nakajima, John DiGiovanni

Department of Dermatology, Kochi Medical School, Kochi University, Nankoku, Japan;

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Stat3 as a therapeutic target for psoriasis

Razieh Soltani-Arabshahi, MD¹, Bing-Jian Feng PhD¹, Ingrid Freeny MD¹, Bob Wong PhD^{1,2}, Steven J Schrodi PhD³, Yonghong Li PhD³, David E Goldgar PhD¹, Kristina Callis-Duffin MD¹, Gerald G Krueger MD¹

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Relative predispositional effects of HLA-C alleles in the Utah Psoriasis Initiative demonstrates HLA-C*1203, a close family member of HLA-C*0602, is associated with psoriatic arthritis

Hideaki Sugiyama¹, Thomas McCormick¹, Jessica Massari¹, Shinji Shimada², Kevin Cooper^{1,3}

Departments of Dermatology, Case Western Reserve University¹, Cleveland, OH; University of Yamanashi², Yamanashi, Japan; and VA Medical Center³, Cleveland, OH

CCR5 expressing CD4+CD25 high regulatory T cells are both numerically and functionally impaired in patients with psoriasis vulgaris

Frank Wang MD, Yolanda R. Helfrich MD, Noah Smith BS, Craig Hammerberg PhD, Ted Hamilton MS, Gary Fisher PhD, Sewon Kang MD, John J. Voorhees MD

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Rapid suppression of IL-20-related cytokines by etanercept decreases psoriatic regenerative hyperplasia *in vivo*

L.T. Zane¹, J. Gassmueller², J. Fluhr², D.K. Marti¹, A. Lathrop¹, K.R. Beutner¹

Anacor Pharmaceuticals, Inc. ¹, Palo Alto, CA; bioskin GmbH², Berlin, Germany

AN2728 Ointment, a novel oxaborole with anti-inflammatory activity, demonstrates safety and significant efficacy in a phase Ib psoriasis plaque test