

The Society for Investigative Dermatology • 2007

68th Annual Meeting • May 9-12, 2007 • Hyatt Regency Century Plaza Hotel • Los Angeles, California

Meeting Program

Vision
2008



CME Statement & Objectives

CME Mission Statement

A primary purpose of the Society for Investigative Dermatology (SID) is to advance and promote the sciences relevant to skin health and disease through education and scholarly exchange of scientific information. A strategic plan initiative is to strengthen and expand educational programs for targeted sectors of the dermatology community, including research investigators, clinicians, research and clinical trainees, members of industry, and community advocates for skin health/disease, in a manner that fosters scientific excellence, elevates evidence-based medicine, and meets high ethical standards.

Target Audience

The primary target audiences are SID members including research investigators, clinicians, research and clinical trainees, members of industry, and community advocates for skin health/disease.

Overall Learning Objectives

1. To provide attendees with state of the art information relating to basic skin biology
2. To provide attendees with a forum for presentation of rigorously critiqued scientific information relevant to the practice of clinical dermatology
3. To provide a forum to facilitate application of novel basic information to problems of clinical medicine relating to skin biology
4. To provide an environment to facilitate interdisciplinary investigation in clinical dermatology and skin biology
5. To provide an environment to educate physicians in training in the process required to develop novel information important in improving patient care
6. To facilitate interactions between basic scientists and physicians with patient groups representing those affected with skin diseases

Overall Learning Objective Outcomes

At the end of the CME activity, attendees should be able to:

1. Recognize that they had learned new information that was relevant to their understanding of skin biology and/or to the care of patients with skin disease
2. Discuss and share this information with appropriate colleagues
3. Identify where to seek additional information to further expand their understanding
4. Identify where novel information learned can be applied in their research or clinical programs

Disclosure of Relevant Financial Relationships & Resolution of Conflicts of Interest

The Society for Investigative Dermatology has made the choice to meet the Accreditation Council for Continuing Medical Education's (ACCME) expectations for disclosure of relevant financial relationships. It is the policy of the SID to ensure balance, independence, objectivity and scientific rigor in all of its educational activities. All faculty participating in and planning the Annual Meeting and other educational programs must comply with all procedures governing disclosure. The SID has implemented a process where everyone in a position to control the content of an educational activity has disclosed all relevant financial relationships with any commercial interest. If it was determined that a conflict of interest existed as a result of a financial relationship, the conflict will be resolved prior to the activity. In addition, all presenters associated with its Annual Meeting are required to submit disclosures and brief abstracts for review prior to the meeting. All faculty/presenter relationships will be disclosed in Annual Meeting printed materials (see pages 3.56-3.100, Author/Speaker Index). In addition, faculty/presenters are expected to make a verbal disclosure of relevant financial relationships or indicate no conflicts exist at the beginning of their presentation. A PowerPoint slide with a disclosure statement must be used in their presentation as well.

Meeting-at-a-Glance

Wednesday, May 9, 2007

Registration

California Lounge Foyer 8:00 a.m.-9:00 p.m.

SID Board of Directors Meeting

Directors Boardroom 8:00 a.m.-12:00 p.m.

International Pachyonychia Congenita Consortium

Hosted by Pachyonychia Congenita Project

Olympic II 8:00 a.m.-3:00 p.m.

Sponsored Satellite Symposium

Advances in Acne Research

Sponsored by SID/Galderma

Los Angeles Ballroom 12:00 p.m.-2:00 p.m.

Translational Research Symposium

Westside Room 12:00 p.m.-3:00 p.m.

National Rosacea Society Research Workshop

Constellation Ballroom 2:00 p.m.-4:00 p.m.

Irvin H. Blank Forum

The Heartbreakers of Psoriasis

Los Angeles Ballroom 3:00 p.m.-5:00 p.m.

SID Annual Meeting Mixer

Attendance by invitation only.

Olympic I 5:00 p.m.-6:30 p.m.

Sponsored Satellite Symposium

Regulation of Inflammation in Psoriasis

Sponsored by Centocor

Los Angeles Ballroom 5:00 p.m.-7:00 p.m.

State-of-the-Art Plenary Lecture I

Developments in Prenatal Testing for Inherited Skin Disorders

Los Angeles Ballroom 7:30 p.m.-8:00 p.m.

State-of-the-Art Plenary Lecture II

Somatic Alterations in Melanoma: Implications for Classification, Therapy, and Prevention

Los Angeles Ballroom 8:00 p.m.-8:30 p.m.

State-of-the-Art Plenary Lecture III

Wnt Signaling: A Key Pathway Regulating Skin Appendage Development

Los Angeles Ballroom 8:30 p.m.-9:00 p.m.

Thursday, May 10, 2007

Registration

California Lounge Foyer 7:30 a.m.-4:00 p.m.

Plenary Session I

Los Angeles Ballroom 8:00 a.m.-9:00 a.m.

Herman Beerman Lecture

Small Molecules and Small-molecule Screening

Los Angeles Ballroom 9:00 a.m.-9:30 a.m.

Naomi M. Kanof Lecture

A Global Pandemic of Cardiovascular Disease: Is it Preventable?

Los Angeles Ballroom 9:30 a.m.-10:00 a.m.

American Skin Association Achievement Awards

Los Angeles Ballroom 10:00 a.m.-10:10 a.m.

David Martin Carter Mentor Award

Los Angeles Ballroom 10:10 a.m.-10:15 a.m.

Coffee Break

Sponsored by Merz Pharmaceuticals, LLC

Plaza Level Foyer 10:15 a.m.-10:45 a.m.

Clinical Scholars Plenary Session

Olympic II 10:00 a.m.-11:00 a.m.

Poster Session I/Technical Exhibits Open

California Showroom 10:00 a.m.-12:00 p.m.

Concurrent Minisymposia 1-5

1. Growth Factors & Signal Transduction (Constellation I)
2. Genetic Disease, Gene Regulation & Gene Therapy (Constellation II)
3. Immunology I (Olympic I)
4. Epidermal Structure & Function I (Olympic II)
5. Clinical Research & Therapeutics (Pacific Palisades)

Resident Symposium

Insight into an Academic Career

Westwood Room 2:00 p.m.-5:00 p.m.

CTCL Symposium

Hosted by International Society for Cutaneous Lymphoma and Cutaneous Lymphoma Foundation

Westside Room 2:00 p.m.-5:30 p.m.

Social Event

Ticketed event; tickets must be purchased in advance.

Off-site at Via Rodeo 7:30 p.m.-10:00 p.m.

Buses depart from the hotel lobby beginning at 7:15 p.m.

Special Programming Key

CS Open only to Clinical Scholars track participants

R Open only to Resident track participants

Friday, May 11, 2007

Registration

California Lounge Foyer 7:30 a.m.-4:00 p.m.

SIDES Program and Lunch

Westwood Room 8:00 a.m.-3:00 p.m.

Plenary Session II

Los Angeles Ballroom 8:00 a.m.-9:00 a.m.

Stephen Rothman Award

Los Angeles Ballroom 9:00 a.m.-9:10 a.m.

Business Meeting for Members

Los Angeles Ballroom 9:10 a.m.-9:40 a.m.

Eugene M. Farber Lecture

Cytokine Networking in Psoriasis: From Theory to Therapy

Los Angeles Ballroom 9:40 a.m.-10:10 a.m.

Eugene M. Farber Research Award

Los Angeles Ballroom 10:10 a.m.-10:15 a.m.

State-of-the-Art Plenary Lecture IV

Dermatoepidemiology

Los Angeles Ballroom 10:15 a.m.-10:45 a.m.

State-of-the-Art Plenary Lecture V

Hedgehog Signaling in Skin Biology and Tumorigenesis

Los Angeles Ballroom 10:45 a.m.-11:15 a.m.

Poster Session II/Technical Exhibits Open

California Showroom 11:15 a.m.-1:15 p.m.

Clinical Scholars Program

Olympic II 11:30 a.m.-1:30 p.m. CS R

Albert Kligman Fellowship Luncheon

Attendance by invitation only.

Encino Room 12:00 p.m.-2:00 p.m.

Concurrent Minisymposia 6-10 2:00 p.m.-5:30 p.m.

6. Carcinogenesis & Cancer Genetics (Constellation I)

7. Infectious Disease & Virology (Constellation II)

8. Pigmentation & Melanoma (Olympic I)

9. Cell Adhesion/Matrix Biology (Olympic II)

10a. Clinical Trials (Pacific Palisades)

* Session runs from 2:00 p.m.-3:15 p.m.

10b. Angiogenesis & Vascular Biology (Pacific Palisades)

* Session runs from 3:30 p.m.-5:30 p.m.

Research in Cutaneous Surgery Symposium

Westside Room 2:00 p.m.-5:30 p.m.

Sponsored Satellite Symposium

Immune Modulation and Malignancy: Epidemiology and Mechanisms

Sponsored by Novartis Pharmaceuticals Corp.

Los Angeles Ballroom 5:30 p.m.-7:30 p.m.

North American Hair Research Society Symposium

Pacific Palisades 6:00 p.m.-9:00 p.m.

Resident/Fellow Dinner Sessions

Ticketed event; tickets must be purchased in advance.

Plaza Level Foyer/Olympic I 7:30 p.m.-9:30 p.m.

Saturday, May 12, 2007

SID Board of Directors Meeting

Directors Boardroom 7:00 a.m.-8:00 a.m.

Registration

California Lounge Foyer 7:30 a.m.-12:00 p.m.

Plenary Session III

Los Angeles Ballroom 8:00 a.m.-9:00 a.m.

William Montagna Lecture

Hair Follicle Stem Cells: Past, Present, and Future

Los Angeles Ballroom 9:00 a.m.-9:30 a.m.

Julius Stone Lecture

New Insights into Atopic Dermatitis

Los Angeles Ballroom 9:30 a.m.-10:00 a.m.

Coffee Break

Sponsored by Merz Pharmaceuticals, LLC

Plaza Level Foyer 10:00 a.m.-10:30 a.m.

Poster Session III/Technical Exhibits Open

California Showroom 10:00 a.m.-12:00 p.m.

Clinical Scholars Program

Olympic II 10:00 a.m.-12:00 p.m. CS R

ADEN Business/Scientific Session

Westside Room 10:00 a.m.-1:00 p.m.

American Skin Association's**20th Anniversary Symposium on Melanoma**

Sponsored by the American Skin Association

Los Angeles Ballroom 12:00 p.m.-2:00 p.m.

Concurrent Minisymposia 11-16 2:00 p.m.-5:30 p.m.

11. Auto-immunity & Inflammation (Constellation I)

12. Immunology II (Constellation II)

13. Hair & Cutaneous Development (Olympic I)

14. Photobiology (Olympic II)

15. Epidemiology/Health Services Research (Pacific Palisades)

16. Epidermal Structure & Function II (Westside Room)

Full-length Schedule

Wednesday, May 9, 2007

Registration

California Lounge Foyer 8:00 a.m.-9:00 p.m.

SID Board of Directors Meeting

Directors Boardroom 8:00 a.m.-12:00 p.m.

International Pachyonychia Congenita Consortium

Hosted by Pachyonychia Congenita Project

Olympic I 8:00 a.m.-3:00 p.m.

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Los Angeles Ballroom 12:00 p.m.-2:00 p.m.

Translational Research Symposium

Westside Room 12:00 p.m.-3:00 p.m.

Kevin Cooper, MD and Leonard Milstone, MD, Presiding

See page 2.4 for program outline.

National Rosacea Society Research Workshop

Constellation Ballroom 2:00 p.m.-4:00 p.m.

Irvin H. Blank Forum

The Heartbreakers of Psoriasis

Los Angeles Ballroom 3:00 p.m.-5:00 p.m.

Jeffrey Travers, MD/PhD, Presiding

See page 1.2 for program outline.

SID Annual Meeting Mixer

Attendance by invitation only.

Olympic I 5:00 p.m.-6:30 p.m.

Sponsored Satellite Symposium

Regulation of Inflammation in Psoriasis

Sponsored by Centocor

Los Angeles Ballroom 5:00 p.m.-7:00 p.m.

State-of-the-Art Plenary Lecture I

Developments in Prenatal Testing for Inherited Skin Disorders

John McGrath, MD

Los Angeles Ballroom 7:30 p.m.-8:00 p.m.

Richard Eckert, MD and Andrew Kowalczyk, PhD, Presiding

State-of-the-Art Plenary Lecture II

Somatic Alterations in Melanoma: Implications for Classification, Therapy, and Prevention

Boris Bastian, MD

Los Angeles Ballroom 8:00 p.m.-8:30 p.m.

Richard Eckert, MD and Andrew Kowalczyk, PhD, Presiding

State-of-the-Art Plenary Lecture III

Wnt Signaling: A Key Pathway Regulating Skin Appendage Development

Sarah Millar, PhD

Los Angeles Ballroom 8:30 p.m.-9:00 p.m.

Richard Eckert, MD and Andrew Kowalczyk, PhD, Presiding

Thursday, May 10, 2007

Registration

California Lounge Foyer 7:30 a.m.-4:00 p.m.

Plenary Session I

Los Angeles Ballroom 8:00 a.m.-9:00 a.m.

Alice Pentland, MD and Amy Paller, MD, Presiding

- Inactivation of calcium sensing receptor inhibits the E-cadherin-mediated cell-cell adhesion and calcium-induced differentiation in human epidermal keratinocytes.** C Tu and DD Bikle. San Francisco, CA. 8:00 a.m. Poster #592
- Comprehensive analysis of the filaggrin gene reveals a spectrum of prevalent and rare mutations in ichthyosis vulgaris and atopic dermatitis.** A Sandilands, A Terron, PR Hull, H Liao, Y Zhao, M Schmuth, MA van Steensel, CS Munro, CN Palmer, FJ Smith, AD Irvine and W McLean. Dundee, United Kingdom; Innsbruck, Austria; Maastricht, Netherlands; Glasgow, United Kingdom and Dublin, Ireland. 8:12 a.m. Poster #561
- Human vitamin D₃-induced antimicrobial activity against *Mycobacterium tuberculosis* is dependent on cathelicidin.** PT Liu, D Tang and RL Modlin. Los Angeles, CA. 8:24 a.m. Poster #765
- Inhibition of AP1 factor function in epidermis causes epidermal hyperproliferation and dermal fibrosis.** R Jans, G Adhikary, EA Rorke, JF Crish, AC Gilliam and RL Eckert. Baltimore, MD. 8:36 a.m. Poster #490
- Photoadaptation diminishes *in vivo* antifibrotic response to ultraviolet A1 phototherapy.** F Wang, L Garza, G Fisher, R Kafi, S Cho, C Hammerberg, J Voorhees and S Kang. Ann Arbor, MI. 8:48 a.m. Poster #251

Herman Beerman Lecture

Small Molecules and Small-molecule Screening

Stuart Schreiber, PhD

Los Angeles Ballroom 9:00 a.m.-9:30 a.m.

Naomi M. Kanof Lecture

A Global Pandemic of Cardiovascular Disease: Is it Preventable?

Thomas Pearson, MD/MPH/PhD

Los Angeles Ballroom 9:30 a.m.-10:00 a.m.

American Skin Association Achievement Awards

Los Angeles Ballroom 10:00 a.m.-10:10 a.m.

David Martin Carter Mentor Award

Los Angeles Ballroom 10:10 a.m.-10:15 a.m.

Coffee Break

Sponsored by Merz Pharmaceuticals, LLC

Plaza Level Foyer 10:15 a.m.-10:45 a.m.

Clinical Scholars Plenary Session

CS R

Olympic II 10:00 a.m.-11:00 a.m.

Ponciano Cruz, MD, Presiding

See page 2.4 for program outline.

Poster Session I/Technical Exhibits Open

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California Showroom 10:00 a.m.-12:00 p.m.

Concurrent Minisymposium I

Growth Factors & Signal Transduction

Constellation I 2:00 p.m.-5:30 p.m.

David Rubenstein, MD/PhD and John Seykora, MD/PhD, Presiding

- 1. Granulocyte-macrophage colony-stimulating factor expression is regulated by epidermal growth factor receptor pathway.** [F Mascia](#), V Mariani, C Cataisson, S Yuspa and S Pastore. Bethesda, MD and Rome, Italy. 2:00 p.m. Poster #581
- 2. A novel "TGFA α > Hsp90 α secretion > keratinocyte migration" pathway promotes skin re-epithelialization and wound closure: evidence for extracellular Hsp90 α as a potent autocrine motogen for human keratinocytes.** [W Li](#), C Cheng, S Guan, J Fan, M Fedesco, B Bandyopadhyay, A Bright, J Fields, Y Han, M Chen and D Woodley. Los Angeles, CA. 2:12 p.m. Poster #604
- 3. The roles of Src-kinases and Srcasm in wound healing.** [J DelPriore](#), E Ayli, W Li and JT Seykora. Philadelphia, PA. 2:24 p.m. Poster #612
- 4. Srcasm-dependent Ras downregulation requires the Srcasm binding site for Grb2.** [E Ayli](#), C Marshall, W Li and JT Seykora. Philadelphia, PA. 2:36 p.m. Poster #610
- 5. Roles for TGF β signaling pathway kinases in the keratinocyte wound-related hypermotility and growth arrest response activated by a precursor form of laminin-332 (laminin 5).** [C Bouez](#), E Natarajan, Z Guo, P

Hercule, M Bai, J Jones and JG Rheinwald. Boston, MA and Chicago, IL. 2:48 p.m. Poster #577

- 6. Phosphatidylinositol 4-phosphate 5-kinase 1 α is required for calcium-induced human keratinocyte differentiation.** [Z Xie](#) and DD Bikle. San Francisco, CA. 3:00 p.m. Poster #591
- 7. Characterization of a novel cell cycle checkpoint triggered by the tumor suppressor PKC δ .** [EL LaGory](#), LA Sitailo and MF Denning. Maywood, IL. 3:12 p.m. Poster #589
- 8. Inducible expression of amphiregulin-specific small hairpin RNA blocks autocrine proliferation of human keratinocytes.** [SW Stoll](#), JL Johnson and JT Elder. Ann Arbor, MI. 3:24 p.m. Poster #608
- 9. p38 α and p38 δ mitogen-activated protein kinase isoforms regulate invasion and growth of head and neck squamous carcinoma cells.** M Junttila, R Ala-aho, T Jokilehto, J Peltonen, M Kallajoki, R Grenman, P Jaakkola, J Westermarck and [V Kahari](#). Turku, Finland. 3:36 p.m. Poster #606
- 10. Human cutaneous carcinomas show decreased GM2/GD2 synthase expression, leading to ganglioside 9-O-acetylGD3 expression and increased cell proliferation and survival.** [AS Paller](#), P Sun, H Iordanov, S McDaniel and X Wang. Chicago, IL. 3:48 p.m. Poster #582
- 11. Stimulation of dermal fibroblast proliferation and migration *in vitro* by estrogens and related compounds: implications for wound healing.** [S Stevenson](#), D Sharpe and J Thornton. Bradford, United Kingdom. 4:00 p.m. Poster #583
- 12. Role of the c-Jun N-terminal kinases in human epidermal neoplasia.** [RN Harris](#), S Tao, A Fox, Y Jin and JY Zhang. Durham, NC; Stanford, CA and New Orleans, LA. 4:12 p.m. Poster #599
- 13. Role of the Fanconi anemia/BRCA pathway in mediation of telomere loop opening and closing.** [TM Ruenger](#), A Rees, J Dunn, M Potter, MS Eller and BA Gilcrest. Boston, MA. 4:24 p.m. Poster #579
- 14. Signaling through $\alpha 9$ acetylcholine receptor is critical for initiation of keratinocyte migration.** [A Chernyavsky](#), J Arredondo and SA Grando. Sacramento, CA. 4:36 p.m. Poster #575
- 15. The effects of Wnt/ β -catenin signaling in a murine melanoma model.** [EC Moore](#), AS Lonsdorf, ST Hwang, RT Moon and AJ Chien. Seattle, WA and Bethesda, MD.

4:48 p.m. Poster #611

16. **Ablation of TAK1 in mouse keratinocytes disturbs hair follicle development.** K Sayama, K Kajiyama, Y Shirakata, Y Hanakawa, S Hirakawa, H Nagai, X Dai, S Akira, J Kishimoto and K Hashimoto. Toon, Japan; Yokohama, Japan and Osaka, Japan. 5:00 p.m. Poster #578
17. **IGF-1R-dependent regulation of FOXO proteins in human keratinocytes.** DA Lewis and DF Spandau. Indianapolis, IN. 5:12 p.m. Poster #602

Concurrent Minisymposium 2

Genetic Disease, Gene Regulation & Gene Therapy

Constellation II

2:00 p.m.-5:30 p.m.

Soosan Ghazizadeh, PhD and Jennifer Zhang, PhD, Presiding

1. **KRT14 haploinsufficiency results in increased susceptibility of keratinocytes to TNF-alpha-induced apoptosis and causes Naegeli-Franceschetti-Jadassohn Syndrome.** J Lugassy, J McGrath, P Itin, A Ishida-Yamamoto, JJ DiGiovanna, HR Murphy, JJ Verbov, J Uitto, R Bergman, G Richard and E Sprecher. Haifa, Israel; London, United Kingdom; Basel, Switzerland; Asahikawa, Japan; Providence, RI; Liverpool, United Kingdom; Philadelphia, PA and Gaithersburg, MD. 2:00 p.m. Poster #518
2. **Chromatin immunoprecipitation (ChIP) in primary mouse keratinocytes reveals novel target genes of Δ Np63 including Runx1.** K Ortt and S Sinha. Buffalo, NY. 2:12 p.m. Poster #558
3. **A single intradermal injection of allogeneic fibroblasts can increase type VII collagen expression in recessive dystrophic epidermolysis bullosa for at least 3 months.** T Wong, L Gammon, L Liu, L Ozoemena, PJ Dopping-Hepenstal, JF Pacy, C Jones, AP South, IM Leigh, H Navsaria and JA McGrath. London, United Kingdom. 2:24 p.m. Poster #545
4. **Intronic insertion of a neomycin-phosphotransferase expression cassette suppresses synthesis of collagen VII and generates a viable mouse model for dystrophic epidermolysis bullosa.** A Fritsch, S Löckermann, A Braun, M Bösl, D Berens von Rautenfeld, I Hausser, R Fässler and L Bruckner-Tuderman. Freiburg, Germany; Martinsried, Germany; Hannover, Germany and Heidelberg, Germany. 2:36 p.m. Poster #542
5. **Mini-type VII collagen corrects murine dystrophic epidermolysis bullosa.** D Woodley, X Wang, J Remington, J Burnett, G Kim and M Chen. Los Angeles, CA. 2:48 p.m. Poster #552
6. **Proximal versus distal filaggrin mutations in ichthyosis vulgaris.** R Gruber, A Terron-Kwiatkowski, A Sandilands, G Utermann, PO Fritsch, A Janecke, WH McLean and M Schmuth. Innsbruck, Austria and Dundee, United Kingdom. 3:00 p.m. Poster #517
7. **Controlling transgene-specific immune responses in cutaneous gene therapy.** S Ghazizadeh. Stony Brook, NY. 3:12 p.m. Poster #548
8. **Corrective gene therapy for epidermolysis bullosa simplex in an inducible mouse model.** W Buitrago and DR Roop. Houston, TX. 3:24 p.m. Poster #570
9. **Skin gene therapy: systemic delivery of the anti-hypertensive atrial natriuretic peptide (ANP) by genetically-modified human skin equivalents (HSE).** L Therrien, A Terunuma, CL Tock, W Pfutzner, M Ohyama and JC Vogel. Bethesda, MD; Tokyo, Japan and Marburg, Germany. 3:36 p.m. Poster #541
10. **Aberrant mineralization of connective tissues in pseudoxanthoma elasticum: A mouse grafting model.** Q Jiang, M Endo, N Udagawa, Q Li and J Uitto. Philadelphia, PA. 3:48 p.m. Poster #537
11. **Major regulators of phosphate homeostasis modulate and respond to changes in expression of GALNT3, a gene associated with Familial Tumoral Calcinosis.** I Chefetz, R Bergman, J Uitto, G Richard and E Sprecher. Haifa, Israel; Philadelphia, PA and Gaithersburg, MD. 4:00 p.m. Poster #519
12. **Suppression of type VII collagen-induced immune responses in RDEB mice: implications for gene therapy.** J Remington, P Bandyopadhyay, M Yadegari, V Chan, D Woodley and M Chen. Los Angeles, CA. 4:12 p.m. Poster #554
13. **Positional cloning of susceptibility genes for atopic dermatitis in the epidermal differentiation complex.** N Morar, P Edster, TL Street, S Weidinger, W Di, AL Dixon, M Taylor, R Holt, J Broxholme, N Kloop, N Novak, A Bockelbrinck, J Ragoussis, T Illig, JI Harper, WO Cookson and MF Moffatt. London, United Kingdom; Oxford, United Kingdom; Munich, Germany and Bonn, Germany. 4:24 p.m. Poster #531
14. **Epidermal-specific deletion of GATA-3 results in selective barrier deficiency.** C de Guzman Strong, S Patel, PW Wertz, C Wang, F Yang, PS Meltzer, T Andl, SE Millar, I Ho, S Pai and JA Segre. Bethesda, MD; Iowa City, IA;

Philadelphia, PA and Boston, MA. 4:36 p.m. Poster #573

15. **Role of NF- κ B and JNK signaling pathways in skin appendageal neoplasia predisposed by cyld genetic mutations.** M Benson, B Leshin, TM Hensley, RN Harris, Y Jin, AM Selim and JY Zhang. Durham, NC. 4:48 p.m. Poster #559
16. **Dissecting the mechanism of transcriptional regulation of the CTLA-4 gene using adenovirus 2 E1A.** HM Gibson and HK Wong. Detroit, MI. 5:00 p.m. Poster #560
17. **Role of Sp1 in transcription of human ATP2A2 gene in keratinocytes.** A Takagi, C Nishiyama, H Kawada, K Maeda, T Tokura, Y Niwa, N Nakano, N Mayuzumi, M Nishiyama, K Okumura, S Ikeda and H Ogawa. Tokyo, Japan. 5:12 p.m. Poster #506

Concurrent Minisymposium 3

Immunology I

Olympic I 2:00 p.m.-5:30 p.m.

Frank Nestle, MD and Robert Tigelaar, MD, Presiding

1. **Langerhans cells represent the predominant source of MFG-E8 in skin.** K Nagao, M Neutzner, WW Leitner, M Sardy, M Lu, BE Clausen and MC Udey. Bethesda, MD and Amsterdam, Netherlands. 2:00 p.m. Poster #724
2. **Following the emigration of Langerhans cells, the epidermis of human skin is colonized by dermal-resident CD14+ cells, which acquire the phenotype of Langerhans cells.** AE Morelli, OA Tkacheva, B Janelsins, AR Mathers, WJ Shufeski, JP Rubin, LD Falo and AT Larregina. Pittsburgh, PA. 2:12 p.m. Poster #723
3. **Skin administration of neurokinin-1 receptor agonist favors activation and lymph node homing of Langerhans cells and induce anti-melanoma immunity.** AR Mathers, OA Tkacheva, B Janelsins, WJ Shufeski, AE Morelli and AT Larregina. Pittsburgh, PA. 2:24 p.m. Poster #722
4. **Immunomodulation by non-pathogenic gram-negative bacteria operates via TLR2 on DC and IL-10 producing T cells.** T Volz, A Gueniche, E Guenova, S Kaesler, L Breton and T Biedermann. Tuebingen, Germany and Clichy, France. 2:36 p.m. Poster #709
5. **Dendritic cells transduced with novel autoantigen FCRLA induce cytotoxic lymphocytes and vaccinate against murine B cell lymphoma.** T Inozume, N Shibagaki, H Mitsui, T Okamoto, Y Matsuzaki, Y Kawakami and S Shimada. Nakakoma-gun, Japan and Shinanomachi, Japan. 2:48 p.m. Poster #670
6. **PPAR-alpha inhibits cutaneous inflammation via**

Langerhans cells by negative cross-talk with NF- κ B signalling and cytokine expression. S Dubrac, P Stoitzner, J Auwerx, P Fritsch, N Romani and M Schmuth. Innsbruck, Austria and Strasbourg, France. 3:00 p.m. Poster #677

7. **Langerhans cells but not bone marrow-derived dendritic cells direct UV-induced regulatory T cells into the skin.** A Schwarz, A Maeda and T Schwarz. Kiel, Germany. 3:12 p.m. Poster #667
8. **DC-HIL and syndecan-4 are negative regulators of primary and secondary T cell responses, raising their potential as therapeutic targets for T cell-mediated diseases.** J Chung, PD Cruz and K Ariizumi. Dallas, TX. 3:24 p.m. Poster #700
9. **Lysosomal thiol reductase GILT is essential for MHC class II-restricted processing of melanoma antigen TRP-I.** K Hastings, K Irvine, P Antony, N Restifo and P Cresswell. Phoenix, AZ; Bethesda, MD; Baltimore, MD and New Haven, CT. 3:36 p.m. Poster #767
10. **Modulation of dendritic cell function by oxidative stress.** C Weigert, K Ghoreschi, J Brück and M Röcken. Tuebingen, Germany. 3:48 p.m. Poster #750
11. **IL-15 serves as a co-stimulator in determining the activity of autoreactive CD8 T cells in an experimental mouse model of graft vs. host disease (GvHD).** E Miyagawa, Y Tagaya, TA Waldmann and SI Katz. Bethesda, MD. 4:00 p.m. Poster #697
12. **S100A8 and A9 proteins control autoreactive CD8+ T cell development during CD40L-induced systemic autoimmunity.** K Loser, K Klimmek, S Balkow, C Kerkhoff, W Nacken, TA Luger and S Beissert. Muenster, Germany. 4:12 p.m. Poster #664
13. **Characterization, regulation and biological effects of IL-17 isoforms involving T cells and keratinocytes in psoriasis.** H Xin, JZ Qin, C Conrad, G Tonel, FO Nestle and BJ Nickoloff. Maywood, IL and London, United Kingdom. 4:24 p.m. Poster #727
14. **HLA-C alleles 0602 and 0701 have opposing effects on severity of psoriasis during pregnancy.** AK Brimhall, B Wong, J Capper, P Krausa, JS Papenfuss, CB Hansen, JM Panko, T Nelson, GG Krueger and KP Callis. Fort Worth, TX; Salt Lake City, UT and South San Francisco, CA. 4:36 p.m. Poster #669
15. **Flagellin is the principal inducer of the antimicrobial peptide psoriasin in epidermal keratinocytes exposed to**

Escherichia coli. A Abtin, F Gruber, M Mildner, L Eckhart and E Tschachler. Vienna, Austria and Neuilly, France. 4:48 p.m. Poster #743

16. **Protective effect of Toll like receptor 4 (TLR4) against DMBA induced cutaneous carcinogenesis in mice.** N Yusuf, TH Nasti and CA Elmets. Birmingham, AL. 5:00 p.m. Poster #716
17. **A genetic mouse model for mastocytosis.** A Gerbault, J Scholten, T Krieg, K Hartmann and A Roers. Cologne, Germany. 5:12 p.m. Poster #744

Concurrent Minisymposium 4

Epidermal Structure & Function I

Olympic II

2:00 p.m.-5:30 p.m.

Wendy Bollag, PhD and Tatiana Efimova, PhD, Presiding

1. **Mammalian epithelial development, homeostasis and Raf-induced hyperplasia rely on Mek1/2 MAPK kinases.** FA Scholl, PA Dumesic, DI Barragan, K Harada, V Bissonauth, J Charron and PA Khavari. Stanford, CA and Quebec, Canada. 2:00 p.m. Poster #451
2. **Mcl-1 functions as major survival protein required for proper keratinocyte differentiation.** LA Sitailo, A Jerome and MF Denning. Maywood, IL. 2:12 p.m. Poster #438
3. **CLIC4 mediates and is required for calcium induced keratinocyte differentiation.** KS Suh, M Mutoh, T Mutoh, L Li, A Ryscavage, J Crutchley, R Dumont, C Cheng and SH Yuspa. Bethesda, MD. 2:24 p.m. Poster #434
4. **Multiple PKC δ tyrosine residues are required for PKC δ -dependent activation of keratinocyte differentiation - A key role of PKC δ -Y311.** L Zhu and RL Eckert. Baltimore, MD. 2:36 p.m. Poster #489
5. **BMP4 from ESC-conditioned medium increases the developmental potency of epidermal stem cells (EpiSCs), which then can be directed to produce specified functional cells of alternative cell lineages.** JR Bickenbach, KL Grinnell and MM Stern. Iowa City, IA. 2:48 p.m. Poster #442
6. **Stem/progenitor cell-like properties of Desmoglein 3dim cells in primary and immortalized keratinocyte lines.** H Wan, M Yuan, C Simpson, K Allen, FN Gavins, MS Ikram, S Basu, N Baksh, EA O'Toole and IR Hart. London, United Kingdom. 3:00 p.m. Poster #395
7. **Epinephrine mediated stress response impairs burn wound healing.** RK Sivamani, CE Pullar, RC Carlsen, DG Greenhalgh and R Isseroff. Davis, CA. 3:12 p.m. Poster #407
8. **Deregulation of keratinocyte differentiation and**

activation pathways in chronic wounds. O Stojadinovic, MG Mahoney, H Brem, I Pastar, S Vukelic, M Golinko and M Tomic-Canic. New York, NY and Philadelphia, PA. 3:24 p.m. Poster #480

9. **DHCR24-/- mice demonstrate impaired maturation of the epidermis with an increased expression of aquaporin-3 (AQP3), affecting the epidermal hydration.** R Mirza, S Hayasaka, F Kambe, K Maki, T Kaji, Y Murata and H Seo. Nagoya, Japan and Yokohama, Japan. 3:36 p.m. Poster #389
10. **Curcumin suppresses AP1 transcription factor-dependent differentiation and activates apoptosis in human epidermal keratinocytes.** S Balasubramanian and RL Eckert. Baltimore, MD. 3:48 p.m. Poster #483
11. **Role of Dlx3 in the regulation of cell cycle proteins.** V Pietroni, Y Rivera, N Radoja, S Stimpson, DE Anderson, M Blumenberg and M Morasso. Bethesda, MD and New York, NY. 4:00 p.m. Poster #491
12. **Ceramide deficient mice specifically in epidermis reveal the outside-inside mechanism for development of dermatitis.** M Terao, S Sano, S Kitaba, H Murota, J Takeda and I Katayama. Suita, Japan. 4:12 p.m. Poster #423
13. **Cannabinoid receptor 1 regulates epidermal permeability barrier and keratinocyte differentiation.** C Heughebaert, M Opsomer, Y Uchida, T Roelandt, C Giddelo, D Crumrine, C Ledent, KR Feingold, PM Elias and J Hachem. Brussels, Belgium and San Francisco, CA. 4:24 p.m. Poster #472
14. **Transgenic mice provide *in vivo* evidence that KLK5 initiates the proteolytic cascade of desquamation.** C Deraison, C Bonnart, A Robin, A Briot, C Besson, J Segre and A Hovnanian. Toulouse, France and Bethesda, MD. 4:36 p.m. Poster #436
15. **Caveolin-1 scaffolding domain peptide inhibits phosphatidylglycerol synthesis and keratinocyte differentiation in response to an elevated extracellular calcium concentration.** H Qin and WB Bollag. Augusta, GA. 4:48 p.m. Poster #432
16. **Cholesterol regulates ceramide formation in human epidermal keratinocytes via the nuclear hormone receptor LXR.** JF Kerbleski, S Douangpanya, KJ Mills, K Feingold, PM Elias, Y Uchida and WM Holleran. San Francisco, CA. 5:00 p.m. Poster #493
17. **Coordinated expression of E-cadherin, β -catenin, and Slug in organotypic cultures of human keratinocytes**

following recovery from oxygen deprivation. [JA Straseski](#) and B Allen-Hoffmann. Madison, WI. 5:12 p.m. Poster #481

Concurrent Minisymposium 5

Clinical Research & Therapeutics

Pacific Palisades

2:00 p.m.-5:30 p.m.

Tissa Hata, MD and Sewon Kang, MD, Presiding

- 1. Clinical associations between ichthyosis vulgaris, disease severity, and allergic respiratory disease in atopic dermatitis.** [SF Bremner](#), JM Hanifin and EL Simpson. Portland, OR. 2:00 p.m. Poster #223
- 2. Human β -defensin 1 polymorphism is associated with allergic sensitization in atopic dermatitis.** A Kalus, LP Fredericks, R Livingston, A Sonesson, O Bäck and BA Dale. Seattle, WA and Lund, Sweden. 2:12 p.m. Poster #265
- 3. Autologous bone marrow-derived cultured mesenchymal stem cells delivered in a fibrin spray accelerate healing in murine and human cutaneous wounds.** [V Falanga](#), S Iwamoto, M Chartier, T Yufit, J Butmarc, N Kouttab, G Colvin and P Carson. Providence, RI. 2:24 p.m. Poster #293
- 4. Early inflammatory changes in the “peri-lesional skin” of psoriatic plaques: Is there interaction between dendritic cells and keratinocytes?** [M Komine](#), M Karakawa, T Takekoshi, N Sakurai, Y Minatani, H Mitsui, Y Tada, H Saeki, A Asahina and K Tamaki. Tokyo, Japan and Sagamihara, Japan. 2:36 p.m. Poster #252
- 5. Induction of apoptosis and inhibition of STAT6 activation in dermal lymphocytes are associated with clinical response to vorinostat in cutaneous T-cell lymphoma patients.** B Li, [C Zhang](#), C Kelly, X Ni and M Duvic. Houston, TX. 2:48 p.m. Poster #255
- 6. Time to development of psoriatic arthritis decreases with smoking prior to psoriasis onset and increases with smoking after psoriasis onset.** [T Rakkhit](#), B Wong, TS Nelson, CB Hansen, JS Papenfuss, J Panko, D Goldgar, KP Callis and GG Krueger. Salt Lake City, UT. 3:00 p.m. Poster #310
- 7. Topical 17- β -estradiol stimulates collagen synthesis in sun-protected aged skin, but not in photoaged human skin *in vivo*.** [L Rittie](#), S Kang, JJ Voorhees and GJ Fisher. Ann Arbor, MI. 3:12 p.m. Poster #302
- 8. Evidence for T-regulatory cell aberrations in Sezary syndrome and mycosis fungoides.** [N Apisarnthanarax](#), JV Massari, WA Goodman, TS McCormick and KD Cooper. Cleveland, OH. 3:24 p.m. Poster #261
- 9. Differentiation of tumor-phase mycosis fungoides, psoriasis vulgaris, and normal controls in a pilot study using serum proteomic analysis.** [EW Cowen](#), C Liu, SM Steinberg, S Kang, EC Vonderheid, H Kwak, S Booher, EF Petricoin, LA Liotta and ST Hwang. Bethesda, MD; Gaithersburg, MD; Rockville, MD; Ann Arbor, MI; Baltimore, MD and Manassas, VA. 3:36 p.m. Poster #227
- 10. Comorbidities associated with psoriasis in the Newfoundland and Labrador founder population.** [WP Gulliver](#), Z Tomi and R Alaghebandan. St. John's, Newfoundland and Labrador, Canada. 3:48 p.m. Poster #266
- 11. Depletion of human CD4+CD25+ regulatory T cells: *In vivo* kinetics and analysis of anti-melanoma immune responses.** [K Mahnke](#), K Schoenfeld, S Ring, S Karakhanova, K Wiedemeyer, TS Johnson, V Storn, S Schallenberg, E Suri-Payer and AH Enk. Heidelberg, Germany. 4:00 p.m. Poster #229
- 12. Skin specific defects in cathelicidin antimicrobial peptide expression of subjects with atopic dermatitis and psoriasis.** [T Hata](#), D Udall, D Zaccaro, A Paik, P Kotol and R Gallo. La Jolla, CA. 4:12 p.m. Poster #271
- 13. Nitrogen mustard (NM) ointment formulation containing propylene glycol (PG) is active in treating mycosis fungoides (MF).** [SR Lessin](#). Philadelphia, PA. 4:24 p.m. Poster #249
- 14. CX-659S, a MEK1/2 inhibitor, diminishes epidermal nerve elongation in chronic dermatitis.** [M Kido](#), S Takeuchi, S Hayashida and M Furue. Fukuoka, Japan. 4:36 p.m. Poster #234
- 15. Novel method for epidermal drug delivery with non-pathogenic monoclonal pemphigus antibodies.** [JR Stanley](#), C Lin and DL Siegel. Philadelphia, PA. 4:48 p.m. Poster #232
- 16. Leucocyte trafficking of 8-MOP treated leucocytes after photopheresis in humans.** [U Just](#), E Grumbeck, R Knobler, G Klosner, E Ivancic, H Greinix, A Becherer and F Trautinger. Vienna, Austria; Feldkirch, Austria and St. Pölten, Austria. 5:00 p.m. Poster #250
- 17. Novel *in situ* vaccination with intratumoral injection of CpG 7909, a TLR 9 agonist, combined with radiation in mycosis fungoides and primary cutaneous B-cell lymphoma.** [AV Morales](#), W Ai, R Hoppe, S Shah, R Levy and Y Kim. Stanford, CA. 5:12 p.m. Poster #258

Resident Symposium

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Insight into an Academic Career

Westwood Room 2:00 p.m.-5:00 p.m.

David Chu, MD/PhD and Kurt Lu, MD, Presiding

See page 2.6 for program outline.

CTCL Symposium

Hosted by International Society for Cutaneous Lymphoma and Cutaneous Lymphoma Foundation

Westside Room 2:00 p.m.-5:30 p.m.

Social Event

Ticketed event; tickets must be purchased in advance.

Off-site at Via Rodeo 7:30 p.m.-10:00 p.m.

Buses depart from the hotel lobby beginning at 7:15 p.m.

Friday, May 11, 2007

Registration

California Lounge Foyer 7:30 a.m.-4:00 p.m.

SIDES Program and Lunch

Westwood Room 8:00 a.m.-3:00 p.m.

Plenary Session II

Los Angeles Ballroom 8:00 a.m.-9:00 a.m.

Andrzej Dlugosz, MD and Richard Gallo, MD/PhD, Presiding

- Interaction of p53 and sonic hedgehog signaling pathways in the development of ultraviolet-B (UVB)-induced basal cell carcinomas (BCCs) in murine skin.** M Athar, X Tang, KH Kim, AL Kim, L Kopelovich and DR Bickers. New York, NY and Bethesda, MD. 8:00 a.m. Poster #150
- IL-1 β and the inflammasome but not IL-1 α mediate IL-1R-dependent neutrophil recruitment against *Staphylococcus aureus* skin infection.** LS Miller, EM Pietras, L Uricchio, RM O'Connell, KA Hirano, S Rao, AL Cheung, G Cheng and RL Modlin. Los Angeles, CA and Hanover, NH. 8:12 a.m. Poster #779
- Differentiation of melanoma from dysplastic nevi in suspicious pigmented skin lesions by non-invasive tape stripping.** W Wachsmann, M Zapala, D Udall, A Paik, T Hata, L Walls, R Wong, N Schork and S Chang. San Diego, CA and La Jolla, CA. 8:24 a.m. Poster #869
- Knock-down of type VII collagen in squamous cell carcinoma increases migration and invasion with loss of differentiation.** VL Martins, JJ Vyas, KJ Purdie, M Chen, JA McGrath, A Storey, AP South and EA O'Toole. London,

United Kingdom and Los Angeles, CA. 8:36 a.m. Poster #209

- Chemokine receptor CCR4 is necessary for antigen-driven cutaneous accumulation of CD4 T cells under physiological conditions.** J Campbell and MA Wurbel. Boston, MA. 8:48 a.m. Poster #731

Stephen Rothman Award

Los Angeles Ballroom 9:00 a.m.-9:10 a.m.

Business Meeting for Members

Los Angeles Ballroom 9:10 a.m.-9:40 a.m.

Eugene M. Farber Lecture

Cytokine Networking in Psoriasis: From Theory to Therapy

Brian Nickoloff, MD/PhD

Los Angeles Ballroom 9:40 a.m.-10:10 a.m.

Eugene M. Farber Research Award

Los Angeles Ballroom 10:10 a.m.-10:15 a.m.

State-of-the-Art Plenary Lecture IV

Dermatoepidemiology

Martin Weinstock, MD/PhD

Los Angeles Ballroom 10:15 a.m.-10:45 a.m.

Philip Fleckman, MD and Xiao-Jing Wang, MD/PhD, Presiding

State-of-the-Art Plenary Lecture V

Hedgehog Signaling in Skin Biology and Tumorigenesis

Andrzej Dlugosz, MD

Los Angeles Ballroom 10:45 a.m.-11:15 a.m.

Philip Fleckman, MD and Xiao-Jing Wang, MD/PhD, Presiding

Coffee Break

Plaza Level Foyer 11:15 a.m.-11:45 a.m.

Poster Session II/Technical Exhibits Open

Even 002-312, Odd 629-941

California Showroom 11:15 a.m.-1:15 p.m.

Clinical Scholars Program

Olympic II

CS R

11:30 a.m.-1:30 p.m.

Warren Piette, MD, Presiding

See page 2.5 for program outline.

Albert Kligman Fellowship Luncheon

Attendance by invitation only.

Encino Room 12:00 p.m.-2:00 p.m.

Concurrent Minisymposium 6

Carcinogenesis & Cancer Genetics

Constellation I 2:00 p.m.-5:30 p.m.

Mitchell Denning, PhD and Rebecca Morris, PhD, Presiding

- Keratinocyte-specific Smad2 ablation promotes skin carcinogenesis via affecting genes related to tumor invasion.** KE Hoot, AG Li, S Lu, G Han, W Ju, EP

- Bottinger and X Wang. Portland, OR and New York, NY. 2:00 p.m. Poster #114
2. **Noggin overexpression promotes skin carcinogenesis via stimulation of Shh signaling pathway.** AA Sharov, AN Mardaryev, TY Sharova, M Grachtchouk, R Atoyan, AV Sargsyan, HR Byers, P Overbeek, AA Dlugosz and VA Botchkarev. Boston, MA; Bradford, United Kingdom; Ann-Arbor, MI and Houston, TX. 2:12 p.m. Poster #146
 3. **Elevated polyamine biosynthesis activates ATM and stabilizes p53 in DNA damage signaling in normal keratinocytes.** G Wei, CS Hayes, K DeFeo and SK Gilmour. Wynnewood, PA. 2:24 p.m. Poster #151
 4. **Hairless mutation in SKH1 mice confers susceptibility to ultraviolet-B (UVB)-induced tumorigenesis via disruption of NFκB signaling.** H Kim, A Casta, T Cirman, X Tang, DR Bickers, M Athar and AM Christiano. New York, NY. 2:36 p.m. Poster #176
 5. **A conditional mouse model defines temporal and spatial requirements for deregulated Hedgehog signaling in medulloblastoma.** LE Michael, J Liu, A Wang, JE Ferris, M Grachtchouk, AN Ermilov and AA Dlugosz. Ann Arbor, MI. 2:48 p.m. Poster #130
 6. **Inflammation and skin cancer are linked by protein kinase Cα in a mouse model for inducible cutaneous inflammation.** C Cataisson, R Ohman, A Pearson, M Tsien, H Hennings and SH Yuspa. Bethesda, MD. 3:00 p.m. Poster #144
 7. **Link between desmosomal protein expression, deregulation of signaling pathways, and skin tumor development.** D Brennan, Y Hu, J Uitto, U Rodeck and MG Mahoney. Philadelphia, PA. 3:12 p.m. Poster #173
 8. **Overexpression of Ets1 induces dysplastic transformation in squamous epithelia.** P Nagarajan, L Garrett-Sinha and S Sinha. Buffalo, NY. 3:24 p.m. Poster #148
 9. **Characterization of cells with cancer stem cell properties in skin squamous cell carcinoma.** K Murao, W Buitrago and DR Roop. Houston, TX. 3:36 p.m. Poster #178
 10. **IKKα regulates the TGFβ anti-proliferative activity in the development of squamous cell carcinomas.** B Marinari, F Moretti, ML Giustizieri, A Giunta, C Ballaro, M Papoutsaki, S Alema, S Chimenti and A Costanzo. Rome, Italy. 3:48 p.m. Poster #136
 11. **WRN-mediated telomere-associated DNA damage responses occur at sites of telomere replication and serve to protect genomic integrity.** MS Eller, A Sharifabrizi and BA Gilchrest. Boston, MA. 4:00 p.m. Poster #152
 12. **mtDNA mutations promote hyperproliferation and neoplasia in mouse epidermis.** M Shi, A Eshaghian, K Norman, M Li, LE King, GP Stricklin and JE Sligh. Nashville, TN. 4:12 p.m. Poster #161
 13. **Growth of murine basal cell carcinomas (BCCs) in a transplantation model.** K Zhang, PL So, J Hebert, ML Mancianti, E Epstein and R Ghadially. San Francisco, CA and Berkeley, CA. 4:24 p.m. Poster #175
 14. **Toward creating epidermal cancer stem cells by reactivation of an embryonic stem cell transcriptional program.** DJ Wong, H Liu, TW Ridky, D Cassarino, E Segal and HY Chang. Stanford, CA and Rehovot, Israel. 4:36 p.m. Poster #177
 15. **Nuclear factor Kappa B (NFκB) blockade inhibits its activation by ultraviolet B (UVB) and UVB-induced photocarcinogenesis in murine skin.** DR Bickers, X Tang, AL Kim, Y Zhu, L Kopelovich and M Athar. New York, NY and Bethesda, MD. 4:48 p.m. Poster #153
 16. **p75 neurotrophin receptor (NTR) is up-regulated by chemotherapy and induces apoptosis in melanoma cells.** A Marconi, F Truzzi, R Lotti, K Dallaglio and C Pincelli. Modena, Italy. 5:00 p.m. Poster #125
 17. **p38δ is required for tumor formation in a mouse model of skin carcinogenesis.** EM Schindler, EM Gribben, SC Arthur and T Efimova. St. Louis, MO and Dundee, United Kingdom. 5:12 p.m. Poster #127
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- Concurrent Minisymposium 7**
 Infectious Disease & Virology
 Constellation II 2:00 p.m.-5:30 p.m.
Andrew Blauvelt, MD and Jenny Kim, MD/PhD, Presiding
1. **Injury enhances TLR2 function and antimicrobial peptide expression through a vitamin D dependent mechanism.** J Schaubert, RA Dorschner, AB Coda, AS Büchau, B Brouha, PT Liu, D Kiken, YR Helfrich, SW Kang, HZ Elalieh, A Steinmeyer, U Zügel, DD Bikle, RL Modlin and RL Gallo. San Diego, CA; Los Angeles, CA; Ann Arbor, MI; San Francisco, CA and Berlin, Germany. 2:00 p.m. Poster #778
 2. **Skin mast cells provide defense against invasive bacterial infection.** A Di Nardo, K Yamasaki, RA Doeschner and RL Gallo. La Jolla, CA. 2:12 p.m. Poster #775
 3. **Vaccination with CJ9-gD, a replication-defective and dominant-negative herpes simplex virus type 1 (HSV-1),**

- induces protective immunity against genital herpes. R Brans and F Yao. Boston, MA. 2:24 p.m. Poster #773
4. **Smallpox vaccination provides superior protection not only against secondary poxvirus challenge but also cutaneous malignancy.** L Liu, Q Zhong, T Tian and TS Kupper. Boston, MA. 2:36 p.m. Poster #793
 5. **Pimecrolimus enhances innate immune function of normal human keratinocytes.** AS Büchau, J Schaubert, N Au, A Stütz and RL Gallo. San Diego, CA and Vienna, Austria. 2:48 p.m. Poster #777
 6. **Staphylococcus epidermidis functions as a component of the skin innate immune system by inhibiting the pathogen group A streptococcus.** AL Cogen, V Nizet and RL Gallo. San Diego, CA. 3:00 p.m. Poster #781
 7. **Keratinocytes express functional NOD2 capable of mediating innate immune responses to gram(+) bacterial wall derived MDP and PGN.** J Son, R Prado, Y Lu, H Chen, C Armstrong and J Ansel. Aurora, CO. 3:12 p.m. Poster #794
 8. **LILRA2 activation impairs differentiation of monocytes into dendritic cells: evidence from leprosy skin lesions.** DJ Lee, PA Sieling, MT Ochoa, RJ Carbone, SR Krutzik, TH Rea, M Colonna and RL Modlin. Los Angeles, CA and St. Louis, MO. 3:24 p.m. Poster #774
 9. **Myxoma virus attenuates cytokine/chemokine production in epidermal dendritic cells in response to lipopolysaccharide (LPS) and the role of M141R (a viral CD200) in immune regulation in dendritic cells.** T Parikh, P Dai, M Stanford, G McFadden, S Shuman and L Deng. New York, NY and London, Canada. 3:36 p.m. Poster #769
 10. **The expression of membranous β -catenin and presenilin-1 is reduced in HPV-33-induced Bowenoid lesions.** G Nakanishi, N Suzuki, T Hamada and K Iwatsuki. Okayama, Japan. 3:48 p.m. Poster #783
 11. **An animal model to study the inflammatory properties of *Propionibacterium acnes*: toward a new acne treatment of post genomic analysis.** T Nakatsuji, C Huang, Y Liu, RL Gallo and C Huang. San Diego, CA. 4:00 p.m. Poster #787
 12. **Alpha-melanocyte-stimulating hormone inhibits the expression and function of keratinocyte TLR-2.** Y Lu, R Prado, J Son, H Chen, C Armstrong and J Ansel. Aurora, CO. 4:12 p.m. Poster #795
 13. **The different roles of E6 and E7 of human papilloma virus 6 in HaCaT cells.** Y Dang, L Sun, H Ma and Y Liu. Beijing, China and Xi'an, China. 4:24 p.m. Poster #770
 14. **Study on the effect of (-)-epigallocatechin-3-gallate (EGCG) on acne lesions and *Propionibacterium acnes*.** D Suh, S Min, Y Cho, M Yoon, J Kim and I Kim. Seoul, South Korea. 4:36 p.m. Poster #799
 15. **Panton-Valentine leukocidin produced by *Staphylococcus aureus* induces an intense inflammation in the skin.** S Morizane, O Yamasaki, F Kato, J Kaneko and K Iwatsuki. Okayama, Japan and Sendai, Japan. 4:48 p.m. Poster #785
 16. **Identification of significant levels of staphylococcal lipoteichoic acid associated with impetiginized lesions of atopic dermatitis.** A Kozman, N Mousdicas, M Al-Hassani, A Hyatt, M Landis, MP Sheehan, H Spartz and JB Travers. Indianapolis, IN. 5:00 p.m. Poster #792
 17. **Chitosan nanoparticles: Agent for topical treatment of cutaneous inflammatory and infectious diseases.** AI Friedman, J Phan, D Tang, A Oren, R Modlin and J Kim. Los Angeles, CA and Queens, NY. 5:12 p.m. Poster #776
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- Concurrent Minisymposium 8**
Pigmentation & Melanoma
Olympic I 2:00 p.m.-5:30 p.m.
James Grichnik, MD/PhD and Vijayaradhhi Setaluri, PhD, Presiding
1. **Characterization of a new mouse model for the detection of melanocyte stem cells.** SK Powell, KP Young, M Nelson, RS Plummer and D Lang. Chicago, IL. 2:00 p.m. Poster #925
 2. **The serine protease corin is a novel modifier of the agouti-signaling pathway.** D Enshell-Seijffers, C Lindon and BA Morgan. Charlestown, MA. 2:12 p.m. Poster #927
 3. **Humanized mouse models for studying lymphocyte homing to melanoma.** C Weishaupt, GF Murphy, TS Kupper and RC Fuhlbrigge. Boston, MA. 2:24 p.m. Poster #921
 4. **C-MYC controls senescence in melanoma cells.** MS Soengas, S Mannava, S Patil, V Grachtchouk and M Nikiforov. Ann Arbor, MI. 2:36 p.m. Poster #915
 5. **The V122M variant of the melanocortin 1 receptor is associated with melanoma.** M Council, LA Cornelius and AM Bowcock. St. Louis, MO. 2:48 p.m. Poster #863
 6. **Therapeutic efficacy of antigen-specific vaccination and toll-like receptor stimulation against established transplanted and autochthonous melanoma in mice.** D Tormo, A Ferrer, P Bosch, E Gaffal and T Tuting. Bonn, Germany. 3:00 p.m. Poster #865

7. **Genome-wide RNAi- A novel method to identify pharmaceutically-tractable regulators of melanogenesis.** A Ganesan, H Ho and MA White. Irvine, CA and Dallas, TX. 3:12 p.m. Poster #886
8. **Therapeutic impact of a novel MAPK-dependent mechanism for melanoma cell survival controlled by p53 and reactive oxygen species.** M Verhaegen, WG Wolter, Z Nikolovska-Coleska, S Wang and MS Soengas. Ann Arbor, MI. 3:24 p.m. Poster #907
9. **Identification of novel small molecule inducers of melanin production.** BR McNaughton, PC Gareiss, S Jacobs, G Scott and BL Miller. Rochester, NY. 3:36 p.m. Poster #917
10. **The novel MEK1/2 inhibitor AZD6244 (ARRY-142886) inhibits the growth of melanomas harboring the BRAF V600E mutation *in vitro* and *in vivo*.** NK Haass, KS Smalley, K Sproesser, R Contractor and M Herlyn. Philadelphia, PA. 3:48 p.m. Poster #931
11. **The effects of dickkopf 1 on gene expression and Wnt signaling by keratinocytes: mechanisms regulating skin pigmentation and thickness.** Y Yamaguchi, T Passeron, I Katayama and VJ Hearing. Bethesda, MD and Suita-shi, Japan. 4:00 p.m. Poster #871
12. **CCl21-mediated *in situ* melanoma immuno-targeting.** V Alexeev and L Novak. Philadelphia, PA. 4:12 p.m. Poster #898
13. **Histone deacetylase inhibitor, FK228 induced G1 arrest/apoptosis in malignant melanoma cell lines is triggered by multiple function of MITF.** K Futaki, Y Furukawa, M Ohtsuki, H Nakagawa and G Imokawa. Tokyo, Japan and Tochigi, Japan. 4:24 p.m. Poster #891
14. **Biphasic signalings leading to mitf protein expression in endothelin-1 stimulated human melanocytes.** K Jin, EK Nishimura, E Akasaka, H Nakano, K Hanada, D Sawamura, DE Fisher and G Imokawa. Hiroasaki, Japan; Kanazawa, Japan; Boston, MA and Tokyo, Japan. 4:36 p.m. Poster #888
15. **Role of cathepsin K in melanoma invasion and metastasis.** MJ Quintanilla-Dieck, M Keady, J Bhawan and TM Ruenger. Boston, MA. 4:48 p.m. Poster #894
16. **Stepwise malignant progression of human melanocytes in a skin-like environment.** R Lo and O Witte. Los Angeles, CA. 5:00 p.m. Poster #872
17. **The matricellular protein switch as a potential mechanism for melanoma progression.** M Fukunaga-

Kalabis, G Martinez, B Perbal and M Herlyn.

Philadelphia, PA and Paris, France. 5:12 p.m. Poster #893

Concurrent Minisymposium 9

Cell Adhesion/Matrix Biology

Olympic II

2:00 p.m.-5:30 p.m.

Jonathan Jones, PhD and Aimee Payne, MD/PhD, Presiding

1. **Loss of desmocollin 3 in the epidermis of mice causes epidermal blistering and telogen hair loss.** J Chen, Z Den, M Merched-Sauvage and PJ Koch. Houston, TX. 2:00 p.m. Poster #217
2. **Desmoglein 1 governs subcellular allocation of plakoglobin, coordinating adhesion-dependent and -independent roles in epidermal morphogenesis.** CL Simpson, S Getsios, L Sheu, RL Dusek, S Kojima, R Daugherty, CJ Gottardi and KJ Green. Chicago, IL. 2:12 p.m. Poster #197
3. **Autoantibodies in the autoimmune disease pemphigus foliaceus induce blistering *in vivo* via p38MAPK dependent signaling.** P Berkowitz, Z Liu, LA Diaz and DS Rubenstein. Chapel Hill, NC. 2:24 p.m. Poster #201
4. **Intracellular signaling and desmoglein endocytosis are coupled to disruption of keratinocyte adhesion by pemphigus vulgaris antibodies.** MD Kottke, JM Jennings, E Delva, CC Calkins and AP Kowalczyk. Atlanta, GA. 2:36 p.m. Poster #216
5. **Regulation of phosphorylation status of adhesion molecules in pemphigus.** SA Grando, A Chernyavsky, J Arredondo, M Sato-Nagai and Y Kitajima. Davis, CA and Gifu, Japan. 2:48 p.m. Poster #183
6. **EBA autoantibodies inhibit the binding of type IV collagen and fibronectin to CMP and FNIII subdomains of type VII collagen: a possible pathogenic mechanism of EBA.** M Chen, A Jack, B Basseri, P Bandyopadhyay, Y Hou and D Woodley. Los Angeles, CA. 3:00 p.m. Poster #206
7. **Complement- and leukocyte-activating capacity of antibodies against type VII collagen determines their blister-inducing potential.** A Sesarman, S Mihai, JM Thurman, F Olaru, MT Chiriack, D Zillikens and C Sitaru. Lubeck, Germany and Denver, CO. 3:12 p.m. Poster #192
8. **Genetically engineered human dermal microvascular endothelial cells given intravenously as potential therapy for dystrophic epidermolysis bullosa and chronic skin wounds.** D Woodley, X Wang, J Remington, Y Hou and M Chen. Los Angeles, CA. 3:24 p.m. Poster #205

9. **Hyaluronan triggers an innate immune response through CD44, TLR4 and a Cryopyrin/NALP3-dependent pathway.** K Yamasaki, H Goodarzi, K Taylor, A Di Nardo, J Bertin, EP Grant, AJ Coyle, A Misaghi, HM Hoffman and RL Gallo. San Diego, CA and Cambridge, MA. 3:36 p.m. Poster #202
10. **The slingshot family of phosphatases mediates Rac1 regulation of cofilin phosphorylation, laminin-332 organization and motility behavior of keratinocytes.** KR Kligys, JN Claiborne, PJ DeBiase, SB Hopkinson and JC Jones. Chicago, IL. 3:48 p.m. Poster #186
11. **A critical role for protein kinase C α in keratinocyte migration.** A Jerome and MF Denning. Maywood, IL. 4:00 p.m. Poster #194
12. **Laminin-10 gene knockdown correlates with reduced MMP-2 expression and decreased melanoma cell invasiveness.** J Li and J Chen. Miami, FL. 4:12 p.m. Poster #222
13. **Fibroblast migration requires co-operative rearward and forward traction gradients across the whole cell and the nucleus, respectively.** Z Pan, RA Clark, K Ghosh, Y Liu, X Shu, T Nakamura, G Prestwich and M Rafailovich. Stony Brook, NY and Salt Lake City, UT. 4:24 p.m. Poster #208
14. **Extracellular heat shock protein-90alpha: linking hypoxia to skin cell motility and wound healing.** W Li, Y Li, S Guan, J Fan, C Cheng, A Bright, C Chin, M Chen and D Woodley. Los Angeles, CA. 4:36 p.m. Poster #213
15. **Synthetic extracellular matrix composed of fibronectin functional domains and hyaluronan markedly accentuates wound repair: Possible role of growth factor loading.** K Ghosh, S Shirsat, S McClain, X Ren and RA Clark. Stony Brook, NY. 4:48 p.m. Poster #210
16. **ADAM12: a potential target for treatment of chronic wounds.** A Harsha, O Stojadinovic, CA Loomis, CP Blobel and M Tomic-Canic. New York, NY. 5:00 p.m. Poster #220
17. **Porous silicone: A promising material for sealing the skin-biomaterial interface.** Z Tavakkol, M Usui, A Marshall, P Fleckman, B Ratner and J Olerud. Seattle, WA. 5:12 p.m. Poster #218

Concurrent Minisymposium 10a

Clinical Trials

Pacific Palisades

2:00 p.m.-3:15 p.m.

Michael Bigby, MD and Robert Dellavalle, MD/PhD, Presiding

1. **Safety and efficacy of the fully human IL-12/-23**

monoclonal antibody, ABT-874, in the treatment of moderate to severe plaque psoriasis: Results from a Phase II trial. AB Kimball, KB Gordon and JM Valdes. Boston, MA; Evanston, IL and Abbot Park, IL. 2:00 p.m. Poster #321

2. **Henna extract vs. aluminum chloride for palmar hyperhidrosis: A randomized controlled trial.** N Markazi-Moghaddam, F Gorouhi, A Ansar and A Firooz. Tehran, Iran and Hamadan, Iran. 2:12 p.m. Poster #318
3. **Phase I gene transfer study of H5.020CMV.PDGF-b in venous leg ulcer.** D Margolis, T Crombleholme, S Thom, J Filip and M Herlyn. Philadelphia, PA and Cincinnati, OH. 2:24 p.m. Poster #327
4. **The development and evaluation of an electronic visit (e-visit) program for the management of acne.** H Bergman, A Watson, C Williams and J Kvedar. Boston, MA. 2:36 p.m. Poster #316
5. **Cefdinir once daily for 7 days vs cephalixin 4 times daily for 10 days for uncomplicated skin and skin structure infections.** GJ Murakawa, D Fortunato, NM Luszczyk and K Yeung Yue. Troy, MI and Detroit, MI. 2:48 p.m. Poster #325
6. **Validity assessment of the CTCL-SI in advanced mycosis fungoides/Sézary syndrome.** KL Goldfeder, AB Troxel, CE Introcaso, AH Rook and EJ Kim. Philadelphia, PA. 3:00 p.m. Poster #331

Concurrent Minisymposium 10b

Angiogenesis & Vascular Biology

Pacific Palisades

3:30 p.m.-5:30 p.m.

Jack Arbiser, MD/PhD and Martin Kluger, PhD, Presiding

1. **Vimentin-focal contact interactions: regulation and functional implications.** R Bhattacharya and J Jones. Chicago, IL. 3:36 p.m. Poster #015
2. **Hypoxia mimetics inhibit TNF- α induced chromatin remodeling associated with the vascular cell adhesion molecule-1 promoter.** TV Cartee, KJ White and RA Swerlick. Atlanta, GA. 3:48 p.m. Poster #016
3. **Vascular endothelial growth factor-A mediates ultraviolet B-induced impairment of lymphatic vessel function.** K Kajiyu, S Hirakawa and M Detmar. Yokohama, Japan; Zurich, Switzerland and Boston, MA. 4:00 p.m. Poster #002
4. **Keratinocyte specific overexpression of the angiopoietin receptor Tie2 leads to development of a psoriasisform phenotype.** JA Wolfram, A Lowther, GN Adams, X Chen,

D Askew, AC Gilliam, TS McCormick and NL Ward.
Cleveland, OH. 4:12 p.m. Poster #021

5. **Treatment with a VEGF receptor tyrosine kinase inhibitor alleviates chronic skin inflammation in a mouse model of psoriasis.** C Halin, H Fahrngruber, JG Meingassner, G Bold, A Littlewood-Evans, A Stuetz and M Detmar. Zurich, Switzerland; Vienna, Austria and Basel, Switzerland. 4:24 p.m. Poster #013
6. **Inhibition of tumor angiogenesis and melanoma growth by T-oligos.** DA Goukassian, D Levine, C Coleman, MS Eller, S Arad, E Bord, T Thorne, G Qin, R Kishore and BA Gilchrest. Boston, MA and Chicago, IL. 4:36 p.m. Poster #003
7. **NADPH oxidase 4 is a key regulator of hemangioma growth *in vivo*.** SS Bhandarkar, M Jaconi, BN Perry, A Sohn, H Augustin and J Arbiser. Atlanta, GA; Geneva, Switzerland and Friburg, Germany. 4:48 p.m. Poster #010
8. **Interleukin-12-deficiency promotes angiogenesis in UV-induced skin tumors.** SK Katiyar, S Katiyar, CA Elmets and SM Meeran. Birmingham, AL. 5:00 p.m. Poster #009
9. **Non-invasive *in vivo* measurement of hypoxia-induced angiogenesis in Delayed-type Hypersensitivity Reactions (DTHR) using 18F-Fluoroazomycin Arabinosid (FAZA) and Positron Emission Tomography (PET).** M Kneilling, BJ Pichler, G Reischl, R Mailhammer, A Yazdi, D Bukala, F Cay, C Widmer, C Reitmeier, MS Judenhofer, F Maier, C Claussen, HJ Machulla and M Rocken. Tübingen, Germany and Munich, Germany. 5:12 p.m. Poster #020

Research in Cutaneous Surgery Symposium

Westside Room 2:00 p.m.-5:30 p.m.

Sponsored Satellite Symposium

Immune Modulation and Malignancy: Epidemiology and Mechanisms
Sponsored by Novartis Pharmaceuticals Corp.

Los Angeles Ballroom 5:30 p.m.-7:30 p.m.

North American Hair Research Society Symposium

Pacific Palisades 6:00 p.m.-9:00 p.m.

Resident/Fellow Dinner Sessions

Ticketed event; tickets must be purchased in advance.

Plaza Level Foyer/Olympic I 7:30 p.m.-9:30 p.m.

Saturday, May 12, 2007

SID Board of Directors Meeting

Directors Boardroom 7:00 a.m.-8:00 a.m.

Registration

California Lounge Foyer 7:30 a.m.-12:00 p.m.

Plenary Session III

Los Angeles Ballroom 8:00 a.m.-9:00 a.m.

Mary-Margaret Chren, MD and Jeffrey Travers, MD/PhD, Presiding

1. **Maternal transfer of bullous pemphigoid autoantibodies in novel transgenic model mice.** W Nishie, D Sawamura, M Goto, E Olasz, KB Yancey, A Shibaki and H Shimizu. Sapporo, Japan and Milwaukee, WI. 8:00 a.m. Poster #034
2. **BMP activity defines refractory and competent hair follicle populations during the propagation of regenerative waves.** M Plikus, R Baker, J Mayer, R Maxson, P Maini and C Chuong. Los Angeles, CA and Oxford, United Kingdom. 8:12 a.m. Poster #639
3. **Closure of skin excisions and incisions using a rapid, light-activated technique.** M Yao, KE Bujold, RW Redmond and IE Kochevar. Boston, MA. 8:24 a.m. Poster #848
4. **Accuracy of teledermatology for skin neoplasms.** E Warshaw, J Grill, F Lederle, V Kaye, P Lee, K Bohjanen, K Chen, H Rabinovitz, R Johr, R Wenner, S Bowers, S Askari, P Cham, D Kedrowski, L Fortier, A Bangerter and D Nelson. Minneapolis, MN and Miami, FL. 8:36 a.m. Poster #345
5. **Loss of functional ELOVL4 eliminates very long-chain fatty acids (>C28) and unique ω -O-acylceramides in skin leading to neonatal death.** Y Uchida, V Vasireddy, NL Alderson, H Hama, PM Elias, R Ayyagari and WM Holleran. San Francisco, CA; Ann Arbor, MI and Charleston, SC. 8:48 a.m. Poster #447

William Montagna Lecture

Hair Follicle Stem Cells: Past, Present, and Future

George Cotsarelis, MD

Los Angeles Ballroom 9:00 a.m.-9:30 a.m.

Julius Stone Lecture

New Insights into Atopic Dermatitis

Donald Leung, MD/PhD

Los Angeles Ballroom 9:30 a.m.-10:00 a.m.

Coffee Break

Sponsored by Merz Pharmaceuticals, LLC

Plaza Level Foyer 10:00 a.m.-10:30 a.m.

Poster Session III/Technical Exhibits Open

Odd 315-627, Even 630-940

California Showroom 10:00 a.m.-12:00 p.m.

Clinical Scholars Program

CS R

Olympic II 10:00 a.m.-12:00 p.m.

Warren Piette, MD, Presiding

See page 2.5 for program outline.

ADEN Business/Scientific Session

Westside Room 10:00 a.m.-1:00 p.m.

American Skin Association's

20th Anniversary Symposium on Melanoma

Sponsored by the American Skin Association

Los Angeles Ballroom 12:00 p.m.-2:00 p.m.

Concurrent Minisymposium 11

Auto-immunity & Inflammation

Constellation I 2:00 p.m.-5:30 p.m.

Masayuki Amagai, MD and Christina Herrick, MD/PhD, Presiding

1. Epidermal p65/RelA is essential for the crosstalk between keratinocytes and immune cells in an I κ B α -mediated mouse model of psoriasis.

RA Rupec, B Rebholz, I Haase, B Eckelt, MJ Flaig, K Ghoreschi, T Ruzicka and M Röcken. Munich, Germany; Cologne, Germany and Tübingen, Germany. 2:00 p.m. Poster #045

2. Genetic and functional evidence for a role of the interleukin-23 pathway in the pathogenesis of psoriasis.

FO Nestle, F Capon, G Tonel, C Conrad, P di Meglio, E Oldham, R Kastelein, J Lanchberry, J Barker and R Trembath. London, United Kingdom; Zurich, Switzerland; Palo Alto, CA and Salt Lake City, UT. 2:12 p.m. Poster #073

3. Identification of BP180 pathogenic epitope using humanized BP180NC16A mice.

Z Liu, L Leighty, M Zhao, N Li, C Fu, G Giudice, J Fairley, C Sitaru, D Zillikens, P Marinkovich and L Diaz. Chapel Hill, NC; Milwaukee, WI; Lubeck, Germany and Stanford, CA. 2:24 p.m. Poster #070

4. Specific mechanisms for CD8⁺ Tc1 and TIL-17 cells mediate allergic contact hypersensitivity.

D He, L Wu, H Kim, H Li, C Elmets and H Xu. Birmingham, AL. 2:36 p.m. Poster #077

5. NALP1 is a major gene for vitiligo and associated autoimmune disease.

RA Spritz, Y Jin, C Mailloux, G Laberge, K Gowan, S Riccardi, P Fain and D Bennett. Aurora, CO and London, United Kingdom. 2:48 p.m. Poster #038

6. IgM anti-desmoglein 1 autoantibodies are the

distinguishable immunological markers of Fogo

LA Diaz, P Prisanh, D Dasher, N Li, F Evangelista, V Aoki, G Hans-Filho, V dos Santos, BF Qaqish and EA Rivitti. Chapel Hill, NC; Sao Paulo, Brazil and Campo Grande, Brazil. 3:00 p.m. Poster #071

7. Epidermis is an extra-adrenal source of glucocorticoid synthesis, which contributes to pathogenesis of chronic wounds.

S Vukelic, O Stojadinovic, M Rabach, B Harold, I Pastar, JA Carucci, M Golinko and M Tomic-Canic. New York, NY. 3:12 p.m. Poster #079

8. CD4⁺ regulatory T cells maintain peripheral tolerance and survival in double transgenic (K14-sOVA x OT-I) mice.

KE Nograles, F Miyagawa and SI Katz. Bethesda, MD. 3:24 p.m. Poster #031

9. A novel system for evaluation of *in vivo* pathogenicity of desmoglein 3-reactive T cell clones: a critical role of interleukin-4 in the mouse pemphigus vulgaris model.

H Takahashi, M Amagai, T Nishikawa, Y Kawakami and M Kuwana. Tokyo, Japan. 3:36 p.m. Poster #032

10. Knockout mice reveal novel activities of interleukin-10 in wound repair.

SA Eming, S Werner, P Bugnon, JM Davidson, T Krieg and A Roers. Cologne, Germany; Zurich, Switzerland and Nashville, TN. 3:48 p.m. Poster #060

11. Defective inside-out activation of β 2 integrins inhibits cutaneous reverse passive Arthus reaction in CalDAG-GEFI^{-/-} mice.

T Goerge, W Bergmeier, SM Cifuni, BH Ho-Tin-Noe and DD Wagner. Boston, MA. 4:00 p.m. Poster #075

12. Anti-TNF α therapy regulates IKK α expression and anti-proliferative activity in psoriasis.

M Giustizieri, M Koster, B Marinari, M Papoutsaki, M Karin, DR Roop, S Chimenti and A Costanzo. Rome, Italy; Houston, TX and LA Jolla, CA. 4:12 p.m. Poster #061

13. Development and characterization of a passive transfer animal model of acute and chronic ocular cicatricial pemphigoid (CP).

Z Lazarova, E Sadler, VK Salato, A Lopez and KB Yancey. Milwaukee, WI. 4:24 p.m. Poster #028

14. Green tea polyphenols reduced psoriasiform lesions in a mouse model for human psoriasis in association with caspase 14 activation.

S Hsu, J Borke, DS Walsh, J Wood, H Qin, J Winger, H Pearl, G Schuster and WB Bollag. Augusta, GA; Silver Spring, MD and Fort Gordon, GA. 4:36 p.m. Poster #047

15. **Murine HSP70 exacerbates vitiligo in mice.** CJ Denman, K Oyarbide-Valencia, JA Guevara-Patiño and I Le Poole. Maywood, IL and Chicago, IL. 4:48 p.m. Poster #086
16. **Blockade of VCAM-1 delays disease onset and reduces disease severity in the K14-IL-4 transgenic mouse model of atopic dermatitis.** L Chen, S Lin, VI Barriuso, G Maggiolino, L Overbergh, C Mathieu and LS Chan. Chicago, IL and Leuven, Belgium. 5:00 p.m. Poster #057
17. **Inhibition of experimental pemphigus *in vivo* by the p53 inhibitor pifithrin-alpha.** N Li, Z Liu, J Wang, SJ Warren and LA Diaz. Chapel Hill, NC. 5:12 p.m. Poster #064

Concurrent Minisymposium 12

Immunology II

Constellation II

2:00 p.m.-5:30 p.m.

Sam Hwang, MD/PhD and Akira Takashima, MD/PhD, Presiding

1. **Dermal infiltration of monocytes, but not neutrophils, is required for the generation of contact hypersensitivity.** S Takeuchi, F Takeuchi, M Furue and SI Katz. Fukuoka, Japan and Bethesda, MD. 2:00 p.m. Poster #736
2. **Generation of T cell memory critically depends on cell volume regulation by the taurine transporter TAUT during T cell activation.** M Sobiesiak, S Kaesler, P Lang, K Lang, T Wieder, B Heller-Stilb, M Kneilling, U Warskulat, D Häussinger, F Lang and T Biedermann. Tuebingen, Germany and Duesseldorf, Germany. 2:12 p.m. Poster #711
3. **The development of CD8+ TC1 and TIL-17 cells is regulated by specific mechanisms.** L Wu, D He, H Kim, H Li, CA Elmets and H Xu. Birmingham, AL. 2:24 p.m. Poster #760
4. **The induction of FOXP3 expression in CD4+ T cells during a secondary cutaneous immune response *in vivo*.** K Lacy, E Agius, M Vukmanovic-Stejic, AH Banham, M Rustin and AN Akbar. London, United Kingdom and Oxford, United Kingdom. 2:36 p.m. Poster #684
5. **Galectin-3 is critical for the development of the allergic inflammatory response in a mouse model of atopic dermatitis.** J Saegusa, DK Hsu, H Chen, L Yu and F Liu. Sacramento, CA. 2:48 p.m. Poster #671
6. **CD70/CD27 interaction promotes the survival of Ag-primed CD4⁺ T cells in Th1-type immune response.** Y Ogawa, T Kawamura, H Yagita, K Okumura and S Shimada. Yamanashi, Japan and Tokyo, Japan. 3:00 p.m. Poster #678
7. **The Src kinase, Lck regulates differentiation of T_H2 T**

cells. PL Stein, K Kemp and L Guzman. Chicago, IL. 3:12 p.m. Poster #763

8. **A novel T cell proliferation pathway: Hyaluronan synthesis is essential.** C Mahaffey and M Mummert. Dallas, TX. 3:24 p.m. Poster #703
9. **Depletion of regulatory T cells synergizes with DC directed targeting of tumor antigens to successfully treat established RMA-Tag tumors in mice.** V Storn, K Mahnke, S Schallenberg, TS Johnson, T Bedke, E Suri-Payer, N Garbi, B Arnold, G Haemmerling and AH Enk. Heidelberg, Germany. 3:36 p.m. Poster #683
10. **Human keratinocytes modulate Treg phenotype and function via ICAM-1 and B7-H1.** BJ Nickoloff, Y Geng, GJ Abood and J Qin. Maywood, IL. 3:48 p.m. Poster #772
11. **Atopic dermatitis derived innate immune signals induce interleukin 12 and skin homing of Th2 cells.** T Volz, G Lametschwandtner, E Guenova, M Werner, S Kaesler, M Röcken, JM Carballido and T Biedermann. Tuebingen, Germany and Vienna, Austria. 4:00 p.m. Poster #685
12. **Analysis of malignant T cells from CTCL skin lesions supports a multi-step model of disease pathogenesis.** L Shackelton, M Muthukuru, J Kim, T Kupper and RA Clark. Boston, MA. 4:12 p.m. Poster #728
13. **Restoration of T-cell repertoire after complete remission in advanced cutaneous T-cell lymphoma.** K Yamanaka, RC Fuhlbrigge, H Mizutani and TS Kupper. Boston, MA and Tsu, Japan. 4:24 p.m. Poster #759
14. ***P. acnes* induces inflammation via TLR2 and upregulates antimicrobial activity in sebocytes.** J Phan, M Kanchanapoomi, P Liu, H Jalian, K Gilliland, A Nelson, D Thiboutot and J Kim. Los Angeles, CA and Hershey, PA. 4:36 p.m. Poster #754
15. **CXCL12-CXCR4 engagement is required for migration and survival of cutaneous dendritic cells.** K Kabashima, K Sugita, N Shiraishi, T Mori, A Uemura, K Inaba and Y Tokura. Kitakyushu, Japan and Kyoto, Japan. 4:48 p.m. Poster #673
16. **A CXCR4 chemokine receptor antagonist enhances antigen-specific, adoptive immunotherapy for established B16 melanoma tumors.** C Lee, L Fang, D Palmer, N Restifo and S Hwang. Bethesda, MD and Kaohsiung, Taiwan. 5:00 p.m. Poster #691
17. **CCR2 and CCR7 regulate B16 murine melanoma cell tumorigenesis in skin.** L Fang and ST Hwang. Bethesda, MD. 5:12 p.m. Poster #752

Concurrent Minisymposium 13

Hair & Cutaneous Development

Olympic I

2:00 p.m.-5:30 p.m.

Sarah Millar, PhD and Anthony Oro, MD/PhD, Presiding

1. **P-cadherin is a p63 target gene with a critical role in the developing limb bud and hair follicle.** Y Shimomura, M Wajid and AM Christiano. New York, NY. 2:00 p.m. *Poster #629*
2. **Δ Np63 α regulates basement membrane integrity by inducing Fras1.** MI Koster and DR Roop. Houston, TX and Aurora, CO. 2:12 p.m. *Poster #622*
3. **Transgenic mice reveal novel roles for Δ Np63 in *de novo* hair follicle formation and sebaceous gland development.** R Romano and S Sinha. Buffalo, NY. 2:24 p.m. *Poster #655*
4. **Bone morphogenetic protein signaling is necessary for hair induction by dermal papilla cells.** M Rendl and E Fuchs. New York, NY. 2:36 p.m. *Poster #634*
5. **Global microarray analysis of the follicular and glandular types of epidermal differentiation: a role for BMP signaling in suppressing trans-differentiation of the foot pad epidermis towards folliculogenesis.** AA Sharov, TY Sharova, AN Mardaryev, AV Sargsyan and VA Botchkarev. Boston, MA and Bradford, United Kingdom. 2:48 p.m. *Poster #642*
6. **Hedgehog controls hair follicle regeneration through a novel dermal signaling pathway.** W Woo, H Zhen and A Oro. Stanford, CA. 3:00 p.m. *Poster #656*
7. **Site-specific induction of epidermal fates by dermal HOX transcriptional program.** JL Rinn, JK Wang, N Allen, AJ Mikels, R Nusse, JA Helms and HY Chang. Stanford, CA. 3:12 p.m. *Poster #654*
8. **Constitutive activation of β -catenin signaling in embryonic surface epithelium results in a global switch from epidermal to hair follicle fate.** Y Zhang, T Andl, F Liu, S Yang, M Taketo, A Dlugosz and S Millar. Philadelphia, PA; Ann Arbor, MI and Kyoto, Japan. 3:24 p.m. *Poster #652*
9. **Additive function of Notch paralogs in mouse skin homeostasis and carcinogenesis.** S Demehri, Y Pan and R Kopan. St. Louis, MO. 3:36 p.m. *Poster #618*
10. **The miRNA processing enzyme Dicer is required for hair follicle maintenance in adult skin.** T Andl, E Murchison, A Nagy, G Hannon and S Millar. Philadelphia, PA; Toronto, Canada and Cold Spring Harbor, NY. 3:48 p.m.

Poster #657

11. **Mutation in *Mpzl3*, a novel gene encoding a predicted adhesion protein, in the rough coat (*rc*) mice.** T Cao, P Racz, KM Szauter, G Groma, GY Nakamatsu, B Fogelgren, E Pankotai, Q He and K Csiszar. Honolulu, HI. 4:00 p.m. *Poster #649*
12. **Identification of downstream molecular targets of TRPS1 during murine hair follicle morphogenesis.** KA Fantauzzo, M Tadin-Strapps, H Bazzi, E Magnusdottir, KL Calame and AM Christiano. New York, NY. 4:12 p.m. *Poster #635*
13. **Adult hair follicle stem cell compartment changes in androgenetic alopecia demonstrate maintenance of progenitor stem cells with loss of descendant CD200high A6 integrinhigh expressing cells.** LA Garza, M Lee, Y Liu, D Stanton, L Carrasco, J Tobias and G Cotsarelis. Philadelphia, PA and Wales, PA. 4:24 p.m. *Poster #637*
14. **Hair follicle stem cell-specific PPAR gamma deletion causes scarring alopecia.** P Karnik, Z Tekeste, M Smith, A Gilliam, TS McCormick, KD Cooper and P Mirmirani. Cleveland, OH. 4:36 p.m. *Poster #660*
15. **Deregulated RAS in mice causes cutaneous manifestations of Costello syndrome.** BD Yu. La Jolla, CA. 4:48 p.m. *Poster #658*
16. **DGAT1 is required for vitamin A homeostasis in the skin.** MY Shih, CL Yen, P Zhou and RV Farese. San Francisco, CA. 5:00 p.m. *Poster #621*
17. **Hedgehog-driven epithelial bud development is associated with activation of canonical Wnt signaling.** S Yang, V Grachtchouk, A Wang, J Liu, L Syu and A Dlugosz. Ann Arbor, MI. 5:12 p.m. *Poster #659*

Concurrent Minisymposium 14

Photobiology

Olympic II

2:00 p.m.-5:30 p.m.

Kenneth Kraemer, MD and Thomas Schwarz, MD, Presiding

1. ***Cis*-urocanic acid initiates gene transcription in primary human keratinocytes.** K Kaneko, U Smetana-Just, M Matsui, AR Young, S John, M Norval and SL Walker. London, United Kingdom; Melville, NY and Edinburgh, United Kingdom. 2:00 p.m. *Poster #835*
2. **All-trans retinoic acid suppresses the expression of histidase in epidermal keratinocytes.** L Eckhart, M Schmidt, V Mlitz, A Abtin, C Ballaun, P Mrass and E Tschachler. Vienna, Austria and Neuilly, France. 2:12 p.m. *Poster #847*

3. **Acute UVB signal transduction pathways in human skin.** JG Einspahr, SP Stratton, N McKenzie, DS Alberts, J Warneke, S Salasche, RB Nagle, BJ Nickoloff, G Pestano, C Brooks, N Haubein, J Chatigny, S Lett and GT Bowden. Tucson, AZ; Maywood, IL and Jamesburg, NJ. 2:24 p.m. Poster #830
 4. **UVB induction of TNF- α is transcriptionally mediated by AP-1.** MM Bashir, M Sharma and VP Werth. Philadelphia, PA. 2:36 p.m. Poster #836
 5. **Influence of XPB helicase on post-UV recruitment and redistribution of nucleotide excision repair proteins and histone H2AX and ATM phosphorylation in XP-B cells.** KS Oh, YS Kim, M Bustin and KH Kraemer. Bethesda, MD. 2:48 p.m. Poster #842
 6. **Impaired repair of UV-induced DNA damage in keratinocytes deficient in p53 and p63.** B Ferguson-Yates, H Li, TK Dong, JL Hsiao and DH Oh. San Francisco, CA. 3:00 p.m. Poster #860
 7. **UV- and CpG-ODN-induced S6K activation is mediated by PI3K/AKT/TSC2/mTOR pathway in cultured keratinocytes and dendritic cells.** C Cao, C Ji, A Amaral, A Dragoi, N Kouttab, S Hazelwood, H Li, Z Bi, G Hu, W Chu, K Guan and Y Wan. Providence, RI; Nanjing, China; Ann Arbor, MI and Kunming, China. 3:12 p.m. Poster #808
 8. **Involvement of platelet-activating factor and interleukin-10 in ultraviolet B radiation-induced immunosuppression.** Q Zhang, Q Yi, M Al-Hassani, Y Yao, RL Konger and JB Travers. Indianapolis, IN. 3:24 p.m. Poster #858
 9. **Extracorporeal photopheresis has protective effects in both prophylactic and therapeutic models of contact hypersensitivity.** A Maeda, A Schwarz, A Bullinger, D Peritt and T Schwarz. Kiel, Germany and Exton, PA. 3:36 p.m. Poster #804
 10. **A topical antioxidant solution containing vitamins C and E with ferulic acid protects human skin from sunlight damage and DNA mutations associated with skin cancer.** JC Murray, JA Burch, MA Iannacchione and SR Pinnell. Durham, NC. 3:48 p.m. Poster #802
 11. **Ultraviolet irradiation induces transcription of cysteine-rich protein 61, a pivotal regulator of collagen production and degradation in human skin fibroblasts.** T Quan, T He, Y Shao, S Kang, JJ Voorhees and GJ Fisher. Ann Arbor, MI. 4:00 p.m. Poster #859
 12. **Sunbed use induces the photoaging-associated mitochondrial common deletion in previously unexposed skin.** U Krämer, V Reimann, D Sugiri, P Schroeder, B Hoffmann, K Medve-Koenigs, K Jöckel, U Ranft and J Krutmann. Düsseldorf, Germany and Duisburg, Germany. 4:12 p.m. Poster #826
 13. **Chk1 transmits PUVA-induced ATR signalling for premature senescence in primary human fibroblasts.** M Grosse Hovest, T Krieg and G Herrmann. Cologne, Germany. 4:24 p.m. Poster #843
 14. **Effects of intense pulse light on the collagens of Balb/c mouse skin.** Y Cao, D Luo and D Wu. Nanjing, China. 4:36 p.m. Poster #828
 15. **Melanoma cell lines are susceptible to UVA exposure enhancing melanoma progression.** W Schuller, M Röcken and M Berneburg. Tübingen, Germany. 4:48 p.m. Poster #846
 16. **Discrimination of basal cell carcinoma from normal dermal stroma by non-linear optics.** S Lin, S Wang, C Kuo, C Dong and S Jee. Taipei, Taiwan. 5:00 p.m. Poster #813
 17. **Collagen remodeling induced by different non-ablative laser effects: a comparative *in vivo* study on mouse model.** H Liu, X Chai, Y Dang, Z Wang and Q Ren. Shanghai, China. 5:12 p.m. Poster #821
-
- Concurrent Minisymposium 15**
Epidemiology/Health Services Research
Pacific Palisades 2:00 p.m.-5:30 p.m.
Suephy Chen, MD and David Margolis, MD/PhD, Presiding
1. **Cancer incidence among patients with and without atopic dermatitis in the UK.** A Arana, CE Wentworth, C Fernandez-Vidaurre, R Schlienger, E Conde and FM Arellano. Zaragoza, Spain; Sydney, Australia; Santander, Spain; East Hanover, NJ and Basle, Switzerland. 2:00 p.m. Poster #343
 2. **Patient satisfaction with treatments of nonmelanoma skin cancer.** M Asgari, D Bertenthal, S Sen, A Sahay and M Chren. Oakland, CA and San Francisco, CA. 2:12 p.m. Poster #378
 3. **Non-infectious dermatologic diseases associated with chronic exposition to mining tailings in San Mateo de Huanchor, Peru.** W Ramos, C Galarza, G Ronceros, F de Amat, M Teran and AG Ortega-Loayza. Lima, Peru and Chapel Hill, NC. 2:24 p.m. Poster #348

4. **Solar elastosis is not associated with melanoma metastasis.** CC Wriston, JA Brauer, KD Hudacek, AI Rubin, A Schaffer, DB Shin, AB Troxel and ME Ming. Philadelphia, PA. 2:36 p.m. Poster #359
5. **Strength of association of MC1R variants with BRAF mutations in melanoma remains an open question.** NE Thomas, PA Kanetsky, SN Edmiston, A Alexander, A Hummer, RC Millikan, P Groben, H Hao, M Berwick, CB Begg, K Busam, D Mattingly, DW Ollila and K Conway. Chapel Hill, NC; Philadelphia, PA; New York, NY and Albuquerque, NM. 2:48 p.m. Poster #351
6. **Partner's role in skin self-examination performance.** IK Robinson, J Stapleton and R Turrisi. Chicago, IL and University Park, PA. 3:00 p.m. Poster #339
7. **Deaths due to cutaneous t-cell lymphoma (CTCL): bias of certification and revised estimate of national mortality.** DA Barzilai and MA Weinstock. Providence, RI. 3:12 p.m. Poster #355
8. **Comparison of the reliability & validity of outcome instruments for cutaneous dermatomyositis.** RD Quain, CC Bangert, M Costner, MK Connolly, E Dugan, A Tanikawa, J Okawa, M Rose, SS Fakharzadeh, D Fiorentino, LA Lee, RD Sontheimer, L Taylor and VP Werth. Philadelphia, PA; Dallas, TX; San Francisco, CA; Washington, DC; Tokyo, Japan; Stanford, CA; Denver, CO and Oklahoma City, OK. 3:24 p.m. Poster #349
9. **Sun exposure, vitamin D receptor polymorphisms and risk of melanoma.** R Mandelcorn-Monson, M Berwick, I Orlow, B Armstrong, C Rosen and L Marrett. Toronto, Canada; Albuquerque, NM; New York, NY and Sydney, Australia. 3:36 p.m. Poster #380
10. **Body dysmorphic disorder symptoms among patients with acne vulgaris.** WP Bowe, JJ Leyden, CE Crerand, DB Sarwer and DJ Margolis. Philadelphia, PA. 3:48 p.m. Poster #337
11. **Dermatologic procedural coding trends in Medicare claims data.** MJ VanBeek, K Wright, C Jenkins, D Kadyk, S Singh and M Voelker. Iowa City, IA. 4:00 p.m. Poster #381
12. **Wait-times are shorter for patients seeking cosmetic services with dermatologists.** SB Lipton and JS Resneck. Los Angeles, CA and San Francisco, CA. 4:12 p.m. Poster #333
13. **Risk of lymphoma among users of topical corticosteroids and topical calcineurin inhibitors.** FM Arellano, A Arana, CE Wentworth, C Fernandez-Vidaurre, R Schlienger and E Conde. Zaragoza, Spain; Bridgewater, NJ; Sydney, Australia; Basle, Switzerland; East Hanover, NJ and Santander, Spain. 4:24 p.m. Poster #371
14. **Journal editor and Cochrane Skin Group author experiences co-publishing Cochrane Library systematic reviews.** RE Greene, SR Freeman, K Lundahl and RP Dellavalle. Denver, CO. 4:36 p.m. Poster #356
15. **Patients with severe psoriasis have an increased risk of mortality.** SK Kurd, JL Lewis, AB Troxel, DJ Margolis, BL Strom, DB Shin, X Wang and JM Gelfand. Philadelphia, PA. 4:48 p.m. Poster #354
16. **Survival differences between head/neck melanoma and melanoma of other sites in the Surveillance, Epidemiology, and End Results (SEER) Program.** AM Lachiewicz, CL Wiggins, M Berwick and NE Thomas. Chapel Hill, NC and Albuquerque, NM. 5:00 p.m. Poster #344
17. **Effectiveness of psoriasis treatments: a patient's perspective.** T Tejasvi, RP Nair, PE Stuart, JJ Voorhees and JT Elder. Ann Arbor, MI. 5:12 p.m. Poster #357

Concurrent Minisymposium 16

Epidermal Structure & Function II

Pacific Palisades

2:00 p.m.-5:30 p.m.

Daniel Bikle, MD/PhD and Maria Morasso, PhD, Presiding

- UVB irradiation down-regulates Rac1 and aPKC, and inhibits the formation of functional tight junctions in cultured keratinocytes.** T Yuki, A Haratake, Y Sugiyama, K Morita, M Muto, Y Miyachi and S Inoue. Odawara, Japan; Ube, Japan and Kyoto, Japan. 2:00 p.m. Poster #421
- Superior barrier function of pigmented skin can be attributed to the stratum corneum acidification in a melanosome dependent fashion.** BA Shoo, E Kim, PM Elias and T Mauro. San Francisco, CA. 2:12 p.m. Poster #499
- Loss-of-function mutations in the filaggrin gene predispose to early but not to adult onset atopic eczema.** E Greisenegger, A Zimprich, F Zimprich, M Weber, G Stingl and T Kopp. Vienna, Austria. 2:24 p.m. Poster #399
- IL-1 and TNF α accelerate permeability barrier development in fetal rats.** Y Jiang, B Lu, D Crumrine, M Man, PM Elias and KR Feingold. San Francisco, CA. 2:36 p.m. Poster #402

5. **Unique mutations in the flaggrin gene in Japanese patients with ichthyosis vulgaris and atopic dermatitis.** T Nomura, A Sandilands, M Akiyama, H Liao, AT Evans, K Sakai, M Ota, H Sugiura, K Yamamoto, H Sato, C Palmer, F Smith, I McLean and H Shimizu. Sapporo, Japan; Dundee, United Kingdom; Tomakomai, Japan and Otsu, Japan. 2:48 p.m. Poster #420
6. **Identification and characterization of flaggrin as a caspase-14 substrate.** E Hoste, G Denecker, P Van Damme, RB Presland, J Vandekerckhove, K Gevaert, P Vandenabeele and W Declercq. Zwijnaarde, Belgium; Ghent, Belgium and Seattle, WA. 3:00 p.m. Poster #426
7. **Antiglycation effects of skincare active materials during a simulated glycation process on the skin *ex vivo*.** C Korwin-Zmijowska, L Peno-Mazzarino, P Gasser, B Djian, E Lati, F Arnold and M Mercier. Clamart, France and Issy les Moulineaux, France. 3:12 p.m. Poster #415
8. **Permeability barrier requirements regulate keratinocyte cornification: role of caspase 14 and the protease-activated receptor type 2.** M Demerjian, J Hachem, E Tschachler, G Denecker, W Declercq, P Vandenabeele, TM Mauro, D Crumrine, T Roelandt, E Houben, PM Elias and KR Feingold. San Francisco, CA; Brussels, Belgium; Vienna, Austria and Gent, Belgium. 3:24 p.m. Poster #392
9. **Caspase-14 protects against epidermal UVB photo-damage and water loss.** G Denecker, E Hoste, B Gilbert, T Hochepped, P Ovaere, S Lippens, C Van den Broucke, P Van Damme, K D'Herde, J Hachem, G Borgonie, R Presland, L Schoonjans, C Libert, J Vandekerckhove, K Gevaert, P Vandenabeele and W Declercq. Ghent, Belgium; Brussels, Belgium; Seattle, WA and Leuven, Belgium. 3:36 p.m. Poster #425
10. **Pemphigus vulgaris identifies non-junctional desmoglein 3 as regulator of tissue homeostasis via plakoglobin signaling.** K Schulze, C Lietti, C Strauss, L Williamson, MM Suter and EJ Muller. Bern, Switzerland. 3:48 p.m. Poster #485
11. **The B2-adrenergic receptor is a negative regulator of wound healing *in vivo*.** CE Pullar and R Isseroff. Leicester, United Kingdom and Davis, CA. 4:00 p.m. Poster #401
12. **Epidermal calcium translocation visualized by fluorescence lifetime imaging.** MJ Behne, N Kirschner, S Sanchez, I Moll and E Gratton. Hamburg, Germany and Irvine, CA. 4:12 p.m. Poster #459
13. **PPAR and LXR activators regulate ABCA12 expression in human keratinocytes.** Y Jiang, B Lu, P Kim, PM Elias and KR Feingold. San Francisco, CA. 4:24 p.m. Poster #388
14. **Ca⁺⁺-binding protein Scarf function during epidermal development.** O Kalinin, J Hwang, M Hwang and MI Morasso. Bethesda, MD. 4:36 p.m. Poster #448
15. **Catecholamine modulation of oral keratinocyte migration: implications for aphthous stomatitis.** RE Huntley, P Steenhuis, BA Dale, N Fazel and RR Isseroff. Davis, CA and Seattle, WA. 4:48 p.m. Poster #503
16. **Elastase 2 is a new epidermal serine protease that contributes to skin barrier function *in vivo*.** C Bonnart, C Deraison, C Besson, A Briot, A Robin, M Gonthier, B Monsarrat, J Segre and A Hovnanian. Toulouse, France and Bethesda, MD. 5:00 p.m. Poster #435
17. **Selective hyaluronan-CD44 activation of keratinocyte proliferation, differentiation, lamellar body formation and secretion in normal and aged epidermis.** LY Bourguignon, G Wei, E Gilad, M Man, D Crumrine, WM Holleran and PM Elias. San Francisco, CA. 5:12 p.m. Poster #406

Special Lectures & State-of-the-Art Lectures



Special Lectures



Herman Beerman Lecture

Small Molecules and Small-molecule Screening

Stuart Schreiber, PhD

Harvard University



Naomi M. Kanof Lecture

A Global Pandemic of Cardiovascular Disease: Is it Preventable?

Thomas Pearson, MD/MPH/PhD

University of Rochester



Eugene M. Farber Lecture

Cytokine Networking in Psoriasis: From Theory to Therapy

Brian Nickoloff, MD/PhD

Loyola University of Chicago



William Montagna Lecture

Hair Follicle Stem Cells: Past, Present, and Future

George Cotsarelis, MD

University of Pennsylvania



Julius Stone Lecture

New Insights into Atopic Dermatitis

Donald Y.M. Leung, MD/PhD

National Jewish Medical and Research Center

State-of-the-Art Lectures



State-of-the-Art Plenary Lecture I

Developments in Prenatal Testing for Inherited Skin Disorders

John McGrath, MD

St. John's Institute of Dermatology/St. Thomas Hospital



State-of-the-Art Plenary Lecture II

Somatic Alterations in Melanoma: Implications for Classification, Therapy, and Prevention

Boris Bastian, MD

University of California, San Francisco



State-of-the-Art Plenary Lecture III

Wnt Signaling: A Key Pathway Regulating Skin Appendage Development

Sarah Millar, PhD

University of Pennsylvania



State-of-the-Art Plenary Lecture IV

Dermatoepidemiology

Martin Weinstock, MD/PhD

VA Medical Center



State-of-the-Art Plenary Lecture V

Hedgehog Signaling in Skin Biology and Tumorigenesis

Andrzej Dlugosz, MD

University of Michigan



Irvin H. Blank Forum & Awards

Irvin H. Blank Forum

Held annually, the Irvin H. Blank Forum is designed especially for residents, fellows and students. This year's forum, *The Heartbreakers of Psoriasis*, will be held on Wednesday, May 9, 2007 from 3:00 p.m.-5:00 p.m. The forum is open to all attendees and is an integral part of the Resident Track, Clinical Scholars Track and Translational Research Track.



Immunopathogenesis of Psoriasis

Brian Nickoloff, MD/PhD

Loyola University of Chicago



Genetic Dissection of Psoriasis

James Elder, MD/PhD

University of Michigan



Psoriasis Impacts Daily Life and Carries a Substantial Burden

Liz Horn, PhD

National Psoriasis Foundation



How to Make and Treat Psoriasis Lesions

Frank Nestle, MD

King's College London School of Medicine at Guy's King's College & St. Thomas' Hospitals

Committee Chair and Forum Moderator

Jeffrey Travers, MD/PhD

Indiana University

Stephen Rothman Memorial Award

Friday, May 11 • 9:00 a.m.-9:10 a.m. • Los Angeles Ballroom



The SID's highest award presented for distinguished service to cutaneous medicine.

Barbara Gilchrest, MD

Boston University

Other Award Presentations

Plenary Poster Prize

Sponsored by Nature Publishing Group

Nature Publishing Group presents prizes to the authors of two posters, #869 *Differentiation of melanoma from dysplastic nevi in suspicious pigmented skin lesions by non-invasive tape stripping* (clinical research) and # 447 *Loss of functional ELOVL4 eliminates very long-chain fatty acids (>C28) and unique w-O-acylceramides in skin leading to neonatal death* (basic science). These posters were selected for their excellence with regard to novel or innovative scientific research, as determined and judged by the chairs of the SID Scientific Program Committee.

Eugene M. Farber Research Awards

Friday, May 11 • 10:10 a.m.-10:15 a.m. • Los Angeles Ballroom



Rajan Nair, PhD

University of Michigan
Ann Arbor, Michigan

Wednesday, May 9, 2007

12:00 p.m.-2:00 p.m.

Los Angeles Ballroom

Advances in Acne Research

Chair: Diane Thiboutot, MD

Pennsylvania State University, Hershey, Pennsylvania

Corporate Sponsor: Galderma

12:00 p.m.

Overview and Presentation of Award

Diane Thiboutot, MD

12:10 p.m.-12:30 p.m.

All-*trans* Retinoic Acid Down-regulates TLR2 Expression and Function

Philip Liu, MD

University of California, Los Angeles, California

12:30 p.m.-12:50 p.m.

Expression Profiling in Acne Lesions and Role of Genes Involved in Inflammation and Matrix Remodeling

Nishit Trivedi, PhD

Pennsylvania State University, Hershey, Pennsylvania

12:50 p.m.-1:10 p.m.

13-*cis* Retinoic Acid Induces Apoptosis and Cell Cycle Arrest in Human SEB-1 Sebocytes

Amanda Nelson, PhD

Pennsylvania State University, Hershey, Pennsylvania

1:10 p.m.-1:30 p.m.

Isotretinoin Modifies Matrix Metalloproteinases of Epithelial Origin in Patients with Acne

Eleni Papakonstantinou, MD

Aristotle University of Thessaloniki, Thessaloniki, Greece

1:30 p.m.-1:50 p.m.

Oral Isotretinoin: Effects on Colonization of the Skin and Nares by Antibiotic Resistant Propionibacteria in Acne Patients

Jonathan Cove, PhD

University of Leeds, Leeds, United Kingdom

1:50 p.m.-2:00 p.m.

Discussion and Closing Comments

Lee Zane, MD

University of California, San Francisco, California

GALDERMA

Committed to the future
of dermatology



SID/Galderma Acne Research Award

In partnership with Galderma, the SID instituted an annual Acne Research Award to encourage new research in acne, as well as to encourage young investigators to specialize in this area of research. This award is given to an investigator who published the best paper in acne research during the previous 18 months. This award is not limited to members of the SID, but is open to scientists worldwide. Each year, an ad hoc Committee on Advances in Acne Research selects the best paper.

2007 SID/Galderma Acne Research Award

Philip Liu, MD

University of California, Los Angeles

Los Angeles, California

Disclosure Statements

See Author/Speaker Index (pages 3.56-3.100) for individual speaker disclosures.



Sponsored Satellite Symposium



The Society is grateful to Centocor for its generous educational grant to support this Sponsored Satellite Symposium. All meeting registrants are invited to attend.

Disclosure Statements

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Wednesday, May 9, 2007

5:00 p.m.-7:00 p.m.
Los Angeles Ballroom

Regulation of Inflammation in Psoriasis

Chair: Brian Nickoloff, MD/PhD
Loyola University, Chicago, Illinois

Corporate Sponsor: Centocor

5:00 p.m.

Role of Macrophages in Cutaneous Inflammation and Psoriasis

Thomas Kupper, MD
Brigham and Women's Hospital, Boston, Massachusetts

5:25 p.m.

Psoriasis as a Model for Linking Genotype to Phenotype

Gerald Krueger, MD
University of Utah, Salt Lake City, Utah

5:50 p.m.

Regulatory T Cells and Effector T Cell Subsets in Psoriasis

Kevin Cooper, MD
University Hospitals of Cleveland, Cleveland, Ohio

6:15 p.m.

Role for Cytokines in Mediating Complex Epidermal Remodeling Events in Psoriasis

Brian Nickoloff, MD/PhD
Loyola University of Chicago, Chicago, Illinois

6:25 p.m.

Question & Answer

Panel

Friday, May 11, 2007

5:30 p.m.-7:30 p.m.

Los Angeles Ballroom

Immune Modulation and Malignancy: Epidemiology and Mechanisms

Chair: Robert Swerlick, MD

Emory University, Atlanta, Georgia

Corporate Sponsor: Novartis Pharmaceuticals Corporation

5:30 p.m.

Welcome

Robert Swerlick, MD

Emory University, Atlanta, Georgia

5:35 p.m.-6:00 p.m.

Epidemiology of Transplant Associated Malignancies: The Israel Penn Registry Experience

E. Steve Woodle, MD

University of Cincinnati, Cincinnati, Ohio

6:00 p.m.-6:25 p.m.

Pathophysiology of Immunosuppression Associated Malignancies: EBV Associated Lymphoproliferative Disease as a Model

Thomas Gross, MD/PhD

The Ohio State University, Columbus, Ohio

6:25 p.m.-6:50 p.m.

Epidemiology of Skin and Visceral Malignancies Associated with Topical Therapy

David Margolis, MD/PhD

University of Pennsylvania, Philadelphia, Pennsylvania

6:50 p.m.-7:15 p.m.

Targets and Mechanisms of Topical Therapies Associated with Malignancies

Richard Gallo, MD/PhD

VA Medical Center, San Diego, California

7:15 p.m.-7:30 p.m.

Discussion & Closing Comments

Robert Swerlick, MD



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Associate Meetings

International Pachyonychia Congenita Consortium

Hosted by Pachyonychia Congenita Project

Wednesday, May 9, 2007

8:00 a.m.-3:00 p.m.

Olympic II

Open to all Meeting registrants

Moving Forward: PC Research

Chair: Sancy Leachman, MD/PhD, Medical Director, PC Project, Associate Professor, Dept. of Dermatology, University of Utah

Pachyonychia Congenita (PC) in China

Xue-Jun Zhang, MD/PhD, Professor, Dept. of Dermatology and Venereology, President, Anhui Medical University

The Effect of Pachyonychia Congenita Mutations on Keratinocyte-Cell-Cell-Adhesion

Edel O'Toole, MB/PhD, FRCPI, Barts and the London, Queen Mary's School of Medicine and Dentistry, London, United Kingdom

Sequence-specific Targeting of the Keratin 6a Gene Using Short Oligonucleotides

Leonard Milstone, MD, Professor, Dept. of Dermatology, Yale University

Development of Therapeutic K6a 3'UTR siRNAs

Frances J.D. Smith, PhD, IPCC Career Development Research Fellow, Human Genetics Unit, University of Dundee

A Chemical Biology Approach to Regulating K6a Expression

W. H. Irwin McLean, PhD/FRSE, Professor of Human Genetics, Human Genetics Unit, University of Dundee

Development of N171-specific siRNAs for Treatment of PC

Robyn Hickerson, PhD, Senior Scientist, TransDerm, Inc.

Pre-clinical Strategies for Development of PC Therapeutics

Roger Kaspar, PhD, Founder and CEO, TransDerm, Inc.

Clinical Trials Update

Sancy Leachman, MD/PhD

Discussion

Following the morning session, the IPCC will join the SID's Translational Research Symposium (12:00 p.m.-3:00 p.m.) on Topical Delivery Systems

Optional Activity and Dinner (pre-registration required)

Contact for additional information:

Mary Schwartz, Director
PC Project

Tel: 877-628-7300 (toll free)

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Email: Mary.Schwartz@pachyonychia.org

National Rosacea Society Research Workshop

Wednesday, May 9, 2007

2:00 p.m.-4:00 p.m.

Constellation Ballroom

Open to all Meeting registrants

The National Rosacea Society (NRS) research workshop features presentations and discussions of recent study results on potential causes and other key aspects of rosacea. Studies were funded through the NRS research grants program, which encourages and supports the advance of scientific knowledge about this widespread but biologically poorly understood disorder.

Chair: Richard Granstein, Professor and Chairman, Dept. of Dermatology, Weill Medical College, Cornell University

Study Results

Epidemiology of Rosacea: Results from a Large Photo Database

Alexa Boer Kimball, Director, Clinical Unit for Research Trials in Skin, Harvard Medical School

Epidemiology of Rosacea and Relationship to Photodamage

Maeve McAleer, Registrar in Dermatology, Mater Misericordiae University Hospital

Glycomics Analyses of Tear Fluid for the Diagnostic Detection of Ocular Rosacea

Mark Mannis, Professor and Chairman, Dept. of Ophthalmology, University of California, Davis

Structural and Biologic Changes in Rosacea Skin Induced by the 595-nm Long-pulse Dye Laser

Payam Tristani, Assistant Professor, Dept. of Dermatology, University of Utah

Rosacea: A Dysfunction of the Innate Immune System

Kenshi Yamasaki, Postdoctoral Researcher, Division of Dermatology, University of California, San Diego

Tetracyclines Inhibit the Induction of Chemokine and ICAM-1 Expression by HMEC-1 Cells

Richard Granstein, Professor and Chairman, Dept. of Dermatology, Weill Medical College, Cornell University

Contact for additional information:

Mary Erhard, NRS

Tel: 847-382-8971

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Email: nrosacea@aol.com



Cutaneous T Cell Lymphoma Symposium

Thursday, May 10, 2007

2:00 p.m.-5:30 p.m.

Westside Room

Open to all Meeting registrants

Moderators: Gary Wood, MD and Stuart Lessin, MD

Cutaneous Lymphoma Foundation Young Investigator Award

Rachael Clark, MD/PhD, Brigham and Women's Hospital, Boston, Massachusetts

Gene expression analysis of malignant T cells isolated from CTCL skin lesions demonstrates a marked resistance to apoptosis and evidence of chronic TCR stimulation.

M Muthukuru, J Shackelton, J Kim, T Kupper and RA Clark. Boston, MA. 2:00 p.m. Poster #745

Presentations

- 1. Incidence of cutaneous T-cell lymphoma in the United States, 1973-2002.** VD Criscione and MA Weinstock. Providence, RI. 2:12 p.m. Poster #352
- 2. Hydrochlorothiazide as a putative risk factor for cutaneous T-cell lymphoma.** J Vu and M Duvic. Houston, TX. 2:24 p.m. Poster #274
- 3. Peripheral blood mononuclear cell cytokine expression represents a new indicator for mycosis fungoides staging.** BF Chong, AJ Wilson, HM Gibson, MS Hafner, Y Luo, C Hedgcock and HK Wong. Detroit, MI. 2:36 p.m. Poster #706
- 4. Long term survival in erythrodermic CTCL patients with blood involvement.** KA Vidulich, R Talpur, RL Bassett and M Duvic. Houston, TX. 2:48 p.m. Poster #287
- 5. Tolerability and efficacy of O⁶ Benzylguanine and topical BCNU in a Phase I trial for cutaneous T-cell lymphoma.** D Doshi, N Apisarnthanarax, L Liu, P Fu, AC Gilliam, GS Wood, SL Gerson, SR Stevens and KD Cooper. Cleveland, OH. 3:00 p.m. Poster #317
- 6. Alemtuzumab in patients with erythrodermic cutaneous T-cell lymphoma (E-CTCL).** C Querfeld, ST Rosen, J Guitart, B Martone and TM Kuzel. Chicago, IL. 3:12 p.m. Poster #273
- 7. Reversal of immunosuppression in cutaneous T cell lymphoma by anti-CTLA-4 antibody.** CL Berger, M Girardi, R Tigelaar and RL Edelson. New Haven, CT. 3:24 p.m. Poster #698
- 8. Induction of immunomodulatory dendritic cells by transimmunization.** KE Hoffmann, J Vasquez, CL Berger, M Girardi, R Tigelaar and RL Edelson. New Haven, CT. 3:36 p.m. Poster #701
- 9. Transcriptional regulation of FAS expression by CTCL cells determines sensitivity to FAS-ligand mediated apoptosis and can be altered by enhancer region mutations.** J Wu, J Siddiqui, M Nihal and G Wood. Madison, WI. 3:48 p.m. Poster #126
- 10. Anti-proliferative and pro-apoptotic effects of EGCG and EGCG/IFN α in human melanoma and CTCL lines.** M Nihal, C Creswell and GS Wood. Madison, WI. 4:00 p.m. Poster #297

Research in Cutaneous Surgery Symposium

Friday, May 11, 2007

2:00 p.m.-5:30 p.m.

Westside Room

Open to all Meeting registrants

Muward Alam, MD and Ken Lee, MD, Presiding

- 1. Reflectance confocal microscopy of surgically exposed tissue.** JA Lieb, S Mandal, AL Agero, Y Patel, AC Halpern, M Rajadhyaksha and K Nehal. New York, NY. 2:00 p.m. Poster #239
- 2. Topical pTT treatment reduces UV-induced BCC development in Ptch-1 +/- mice.** DA Goukassian, S Arad, E Zattra, J Hebert, EH Epstein and BA Gilchrest. Boston, MA and San Francisco, CA. 2:12 p.m. Poster #141
- 3. Dermal fibroblasts and hair follicle dermal sheath cells have similar responses to estrogens, distinct to hair follicle dermal papilla cells, in an *in vitro* wound healing assay.** S Stevenson, D Sharpe and J Thornton. Bradford, United Kingdom. 2:24 p.m. Poster #615
- 4. Imiquimod paralyzes regulatory T cells: a novel mechanism of action in the treatment of squamous cell carcinomas.** RA Clark, M Muthukuru, C Schanbacher, D Miller, J Kim and T Kupper. Boston, MA. 2:36 p.m. Poster #702
- 5. Penetration and fluorescence induction of different 5-aminolevulinic acid formulations in an *ex vivo* porcine skin model.** R Szeimies, C Worliceck and TG Maisch. Regensburg, Germany. 2:48 p.m. Poster #833
- 6. NAC protects melanocytes against oxidative stress/damage and delays onset of UV-induced melanoma in mice.** MA Cotter, P Cassidy and D Grossman. Salt Lake City, UT. 3:00 p.m. Poster #904
- 7. Proteomic investigation of human wounds by 2D-difference gel electrophoresis and mass spectrometry.** AC Pollins, DB Friedman and L Nanney. Nashville, TN. 3:12 p.m. Poster #182
- 8. An examination of the relationship between melanoma and other malignancies using the Surveillance, Epidemiology and End Results (SEER) Registry.** DB Shin, JA Brauer, CC Wriston, AB Troxel and ME Ming. Philadelphia, PA. 3:24 p.m. Poster #365
- 9. Effects of retinoid-related agents on skin carcinogenesis in the UV-irradiated *Patched1*^{+/-} mouse.** P So, MA Fujimoto and EH Epstein. San Francisco, CA. 3:36 p.m. Poster #158
- 10. Molecular evidence reveals complex link between ultraviolet radiation and melanoma.** TH Hocker, MK Singh and H Tsao. Boston, MA. 3:48 p.m. Poster #107
- 11. Application of microarray-based comparative genomic hybridization on archival tissues of cutaneous squamous cell carcinomas.** S Kim, B Nickoloff, JG Einspahr, A Prasad, R Krouse, DS Alberts and M Bittner. Phoenix, AZ; Maywood, IL and Tucson, AZ. 4:00 p.m. Poster #108
- 12. Prognostic significance of ING4 expression in human melanoma.** J Li, DL Dai, M Martinka and G Li. Vancouver, Canada. 4:12 p.m. Poster #870
- 14. Transient receptor potential vanilloid-1 mediates heat shock-induced matrix metalloproteinase-1 expression in human epidermal keratinocytes.** W Li, Y Lee, J Kim, S Kang, S Kim, K Kim, C Park and J Chung. Seoul, South Korea. 4:24 p.m. Poster #819
- 14. Overexpression of ankyrin repeat-rich membrane spanning (ARMS) proteins confers apoptosis resistance in malignant melanoma.** YH Liao, JS Chen, SM Hsu and PH Huang. Taipei, Taiwan. 4:36 p.m. Poster #877
- 15. Gene expression profiling distinguishes morpheiform from superficial and nodular subtypes of basal cell carcinoma.** M Yu, D Zloty, L Warshawski, B Cowan, N Carr, J Shapiro, BK Lo and KJ McElwee. Vancouver, Canada. 4:48 p.m. Poster #121
- 16. Therapeutic efficacy of antigen-specific vaccination and toll-like receptor stimulation against established transplanted and autochthonous melanoma in mice.** D Tormo, A Ferrer, P Bosch, E Gaffal and T Tuting. Bonn, Germany. 5:00 p.m. Poster #865



North American Hair Research Society Scientific Meeting

Friday, May 11, 2007

6:00 p.m.-9:00 p.m.

Pacific Palisades

Open to all Meeting registrants

Sarah Millar, PhD, Presiding

Business Meeting

Macro-environmental Regulation of Hair Follicle Regeneration

Cheng-Ming Chuong, MD/PhD, Dept. of Pathology, University of California, Los Angeles

Presentations

- Dlx3 gene expression in lacZ knock-in mice and its function in hair development.** [J Hwang](#) and M Morasso. Bethesda, MD. 7:30 p.m. Poster #636
- Akt activation promotes new hair cycle.** [M Tarutani](#), K Murayama, T Kimura, T Nakano, S Itami and I Katayama. Suita, Japan. 7:42 p.m. Poster #625
- Overexpression of mIGF-1 in proliferating keratinocytes accelerates hair follicle formation and cycling and improves wound healing in mice.** [E Semenova](#), S Werner, H Koegel, S Pastore, S Hasse, R Paus and N Rosenthal. Rome, Italy. 7:54 p.m. Poster #633
- The wnt inhibitor, dickkopf 4, is induced by canonical wnt signaling during ectodermal appendage morphogenesis.** [H Bazzi](#), KA Fantauzzo, GD Richardson, CA Jahoda and AM Christiano. New York, NY and Durham, United Kingdom. 8:06 p.m. Poster #650
- Features of both xeroderma pigmentosum and trichothiodystrophy presenting in patients with mutations in the XPD gene.** [T Rao](#), JJ DiGiovanna, D Tamura, T Ueda, J Boyle, C Nadem, K Oh, S Khan, N Patronas, R Schiffmann, BP Brooks and KH Kraemer. Bethesda, MD and Providence, RI. 8:18 p.m. Poster #630

American DermatoEpidemiology Network (ADEN)

Saturday, May 12, 2007

10:00 a.m.-1:00 p.m.

Westside Room

Open to all Meeting registrants

Suephy Chen, MD and Robert Dellavalle, MD/PhD, Presiding

1. **Incidence of skin cancer in a cohort of vitiligo patients.** CL Hessel, R Krajenta, M Eide, C Johnson, HW Lim and I Hamzavi. Detroit, MI. 10:00 a.m. Poster #363
2. **Dermatology resident career path choices: was the Society for Investigative Dermatology Resident Retreat helpful?** LK DeLong, M Pennie, C Slade, E Veledar and SC Chen. Atlanta, GA and Cleveland, OH. 10:12 a.m. Poster #341
3. **Quality of life of women with vulvodynia.** M Ponte, E Klemperer, A Sahay and M Chren. San Francisco, CA. 10:24 a.m. Poster #373
4. **Employment migration patterns of dermatology residents.** EP Tierney and AB Kimball. Detroit, MI and Boston, MA. 10:36 a.m. Poster #342
5. **Immunomodulators for seborrheic dermatitis: A systematic review of randomized controlled trials.** F Gorouhi, M Mohammadipour, L Sayyah, H Salmasian and A Firooz. Tehran, Iran. 10:48 a.m. Poster #335
6. **Percutaneous penetration via hand eczema is the major accelerating factor for systemic absorption of toluene and xylene during car spray painting.** R Hino, D Nishio, K Kabashima and Y Tokura. Kitakyushu, Japan. 11:00 a.m. Poster #353
7. **A community-based study of acne-related health preferences in adolescents.** CL Chen, M Kuppermann, AB Caughey and LT Zane. San Francisco, CA. 11:12 a.m. Poster #376
8. **Authors guidelines for human research ethics committee approval disclosure in medicine and dermatology journals.** S Freeman, K Lundahl and R Dellavalle. Denver, CO. 11:24 a.m. Poster #347
9. **Number, characteristics, & classification of dermatomyositis patients seen by dermatology & rheumatology at a large tertiary medical center.** RD Quain, V Teal and VP Werth. Philadelphia, PA. 11:36 a.m. Poster #340
10. **Out on a limb: prognostic factors in primary cutaneous anaplastic large cell lymphoma.** DK Woo, CR Jones, S Kohler, K Cobb, GD Friedman, S Reddy, R Adrani, R Hoppe and Y Kim. Stanford, CA. 11:48 p.m. Poster #367
11. **The prevalence and age of onset of asthma and seasonal allergy among patients with atopic dermatitis.** R Kapoor, C Menon, O Hoffstad, W Bilker, P Leclerc and D Margolis. Philadelphia, PA and East Hanover, NJ. 12:00 p.m. Poster #368
12. **Psoriasis e-communities: exploring the benefits of online support.** SZ Idriss, JC Kvedar and AJ Watson. Boston, MA. 12:12 p.m. Poster #375
13. **Vascular disease in patients with psoriasis.** F Ma, S Prodanovich and R Kirsner. Miami, FL. 12:24 p.m. Poster #383
14. **Dermatological problems with prosthetic roll-on liners.** M Hall, D Shurr, MJ VanBeek and M Zimmerman. Iowa City, IA. 12:36 p.m. Poster #384



American Skin Association's 20th Anniversary Symposium on Melanoma

Saturday, May 12, 2007

12:00 p.m.-2:00 p.m.

Los Angeles Ballroom

Open to all Meeting registrants

Symposium Co-Chairs and ASA Medical Advisory Committee

Members:

Barbara Gilchrest, MD, Dept. of Dermatology, Boston University, Boston, Massachusetts

Ervin Epstein, Jr., MD, Children's Hospital of Oakland Research Institute, Oakland, California

David Norris, MD, Dept. of Dermatology, University of Colorado, Aurora, Colorado

Panelists are American Skin Association Research Scholars.

12:00 p.m.-12:05 p.m.

Introduction and Symposium Overview

Barbara Gilchrest, MD

12:05 p.m.-12:27 p.m.

A Genetic View of Ultraviolet Radiation and Melanoma

Hensin Tsao, MD/PhD, Dept. of Dermatology, Massachusetts General Hospital, Boston, Massachusetts

12:27 p.m.-12:49 p.m.

Genomic Instability as a Diagnostic Tool for Melanocytic Neoplasia

Boris Bastian, MD, Depts. of Dermatology and Pathology, University of California, San Francisco, San Francisco, California

12:49 p.m.-1:11 p.m.

Molecular Pathways in Melanoma Progression

Rhoda Alani, MD, Dept. of Dermatology, Johns Hopkins University, Baltimore, Maryland

1:11 p.m.-1:33 p.m.

Determining the Role of Different Wnt Signaling Pathways in Melanoma Biology

Andy Chien, MD/PhD, Dept. of Dermatology, University of Washington, Seattle, Washington

1:33 p.m.-1:55 p.m.

Deregulation of Ras in Congenital Disease and Cancer

Benjamin Yu, MD/PhD, Div. of Dermatology, University of California, San Diego, La Jolla, California

1:55 p.m.-2:00 p.m.

Summary Remarks

Ervin Epstein, Jr., MD and David Norris, MD

SID Board of Directors Meeting

Wednesday, May 9
8:00 a.m.-12:00 p.m.
Directors Boardroom

American Skin Association Achievement Awards

Thursday, May 10
10:00 a.m.-10:10 a.m.
Los Angeles Ballroom

The American Skin Association presents its Achievement Awards to Stuart Yuspa (Skin Cancer/Melanoma), Antoinette Hood (Medical Education), Robert Modlin (Autoimmune & Inflammatory Skin Diseases), David Fisher (Vitiligo & Pigment Cell Biology), and Jonathan Barker (Psoriasis).

David Martin Carter Mentor Award

Thursday, May 10
10:10 a.m.-10:15 a.m.
Los Angeles Ballroom

The American Skin Association presents the 2007 David Martin Carter Mentor Award to John Voorhees, MD.

Journal of Dermatologic Science Editorial Board Meeting

Thursday, May 10
12:00 p.m.-2:00 p.m.
Brentwood Room

National Psoriasis Foundation Scientific Advisory Committee Meeting

Friday, May 11
7:00 a.m.-7:45 a.m.
Brentwood Room

SID Education for Students (SIDES) Program and Luncheon

Friday, May 11
8:00 a.m.-3:00 p.m.
Westwood Room

The SID welcomes Los Angeles-area high school students and teachers attending our Meeting this year. Students will attend portions of the Meeting on Friday, May 11. This educational activity is organized by the SID under the guidance of Kenneth Kraemer.

Albert Kligman Fellowship Luncheon

Friday, May 11
12:00 p.m.-2:00 p.m.
Encino Room

A generous endowment by Albert M. Kligman, one of the SID's former presidents, enables the SID to provide Annual Meeting travel fellowships to young investigators. A list of this year's Fellowship awardees will be posted at the Meeting.

Experimental Dermatology Editorial Board Meeting

Friday, May 11
12:00 p.m.-2:00 p.m.
Brentwood Room

Galderma Japan Scientific Forum

Friday, May 11
5:30 p.m.-9:30 p.m.
Constellation I/II

SID Board of Directors Meeting

Saturday, May 12
7:00 a.m.-8:00 a.m.
Directors Boardroom

JID 2007-2012 Section Editor Meeting

Saturday, May 12
12:00 p.m.-2:00 p.m.
Brentwood Room



Business Meeting

Business Meeting

Members of the SID will meet on Friday, May 11, 2007 from 9:10 a.m. to 9:40 a.m. in the Los Angeles Ballroom. Presentations will be made by the President, Secretary-Treasurer, committee chairpersons of the SID and by the *Journal* editor. Members will elect new members and officers, approve the minutes of the 2006 Business Meeting and discuss SID affairs.

New officers and directors will be elected during the Business Meeting. The candidates proposed by the Committee on Nominations and approved by the Board of Directors are as follows.

Thomas Lawley, MD Candidate for President-Elect

Born: January 16, 1947
Buffalo, NY

Education:
1968 BS, Canisius College
Buffalo, New York

1972 MD, SUNY at Buffalo
Buffalo, New York

Career:
1972-1973 Intern, SUNY at Buffalo
Buffalo, New York
1973-1974 Resident, Dermatology, Yale University
New Haven, Connecticut
1974-1975 Resident, Dermatology, SUNY at Buffalo
Buffalo, New York
1975-1977 Clin. Assoc., Dermatology Branch, NCI/NIH
Bethesda, Maryland
1977-1978 Investigator, Dermatology Branch, NCI/NIH
Bethesda, Maryland
1978-1981 Expert, Dermatology Branch, NCI/NIH
Bethesda, Maryland
1981-1988 Senior Investigator, Dermatology Branch, NCI/NIH
Bethesda, Maryland

1988-1996 Professor and Chairman, Department of Dermatology,
Emory University
Atlanta, Georgia
1993-present William Patterson Timmie Endowed Professor,
Emory University
Atlanta, Georgia
1995-1996 Executive Associate Dean, Emory University School of
Medicine
Atlanta, Georgia
1996 Interim Dean, Emory University School of Medicine
Atlanta, Georgia
1996-present Dean, Emory University School of Medicine
Atlanta, Georgia
1996-present President, Emory Medical Care Foundation
Atlanta, Georgia
1996-present President, Emory Children's Center
Atlanta, Georgia

Madeline Duvic, MD Candidate for Vice President-Elect

Born: June 28, 1951
New Orleans, Louisiana

Education:
1973 BA, Rice University
1977 MD, Duke University Medical School
Durham, North Carolina

Career:
1977-1978 Internship, Internal Medicine, Duke University
Durham, NC
1978-1980 Residency in Dermatology, Duke University
Durham, North Carolina
1979 Chief Resident, Dermatology, Duke University
Durham, North Carolina
1982-1984 Geriatrics Fellowship, VA Hospital
Durham, North Carolina
1982-1984 Research Associate, Molecular Genetics, Duke University
Durham, North Carolina

1984-1985 Visitor in Molecular Genetics, Baylor College of Medicine, Houston, TX

1982-1984 Faculty Associate, Division of Dermatology, Dept. of Medicine, Duke University
Durham, North Carolina

1984-1989 Assistant Professor, Depts. of Dermatology and Internal Medicine, University of Texas Medical School, Houston, Texas

1985 Assistant Professor of Medicine (Dermatology)
Consultant, MD Anderson Cancer Center
Houston, Texas

1986-present The Graduate School of Biomedical Science, The University of Texas Health Science Center
Houston, Texas

1987 Chief, Section of Dermatology, Dept. of Medical Specialties, The University of Texas System MD Anderson Cancer Center

1986-1987 Chief, Section Dermatology, Institute for Immunological Disorders
Houston, Texas

1989-present Associate Professor with Tenure, Depts. of Dermatology and Internal Medicine, The University of Texas Medical School
Houston, Texas

1989-1995 Associate Professor, Division of Pediatrics Genetics, Joint Appointment, The University of Texas Medical School
Houston, Texas

1990 Associate Professor of Medicine (Dermatology), Chief, Section of Dermatology, MD Anderson Cancer Center

1992 Clinical Associated Dermatologist and Associate Professor of Medicine (Dermatology) (NTCA), Chief, Section of Dermatology, joint appointment (51% MDACC, 49% UTHSC)

1993-1997 Adjunct Associate Professor, Dept. of Microbiology and Molecular Genetics, UTMS
Houston, Texas

1995 Clinical Dermatologist, Professor of Medicine (Dermatology) and Section Chief, MD Anderson Cancer Center, (70% MDACC, 30% UTHSC)

1996-2003 Associate Medical Director, Melanoma Skin Center, MD Anderson Cancer Center

1997 Professor of Medicine and Dermatology with tenure, Section Chief, Dermatology, Associate Medical Director of the Skin Center (100% MDACC)

2000-2003 Chairman, (ad interim) Dept. of Dermatology, Division of Internal Medicine – MDACC

2003-present Deputy Chairman, Dept. of Dermatology, Division of Internal Medicine; Professor of Internal Medicine and Dermatology

Brian Nickoloff, MD/PhD
Candidate for Director (Five-year term)

Born: November 30, 1953
Detroit, Michigan

Education:
1974 Kalamazoo College, Biology
Kalamazoo, MI

1979 MD, Wayne State University
Detroit, MI

1983 PhD, Wayne State University, Biochemistry
Detroit, MI

Career:
1979-1980 Intern, Department of Internal Medicine
Harbor General-UCLA Hospital
Torrance, CA

1980-1981 Resident, University of California, San Diego
Department of Pathology
San Diego, CA

1981-1983 Resident, Brigham and Women's Hospital
Clinical Fellow in Pathology, Harvard Medical School
Boston, MA

1983-1984 Fellowship in Dermatopathology. Stanford University
Department of Dermatology
Palo Alto, CA

1984-1986 Assistant Professor and Director of Dermatopathology
Department of Dermatology
Palo Alto, CA

1987-1990 Assistant Professor of Pathology and Dermatology
University of Michigan Medical Center
Ann Arbor, MI



1990-1995 Associate Professor of Pathology and Dermatology
University of Michigan Medical Center
Ann Arbor, MI

1996-present Professor and Vice Chairman of Pathology
Director, Skin Disease Research Laboratories
Loyola University-Chicago Medical Center
Maywood, IL

1999-present Professor of Microbiology and Immunology
Loyola University-Chicago Medical Center

2003-present Director of Oncology Institute
Deputy Director, Cardinal Bernardin Cancer Center
Loyola University-Chicago Medical Center

Mark Udey, MD/PhD
Candidate for Director (Five-year term)

Born: May 18, 1953
Fort Atkinson, Wisconsin

Education:
1975 University of Wisconsin, Chemistry
Madison, Wisconsin

1982 MD, Washington University School of Medicine
Saint Louis, Missouri

1982 PhD, Washington University School of Medicine
Saint Louis, Missouri

Career:
1982-1983 Intern, Medicine
Barnes Hospital/Washington University,
Saint Louis, Missouri

1983-1985 Resident in Dermatology, Barnes Hospital/Washington
University School of Medicine
Saint Louis, Missouri

1985-1986 Chief Resident in Dermatology, Barnes
Hospital/Washington University School of Medicine,
Saint Louis, Missouri

1986-1989 Assistant Professor of Medicine (Dermatology),
Washington University School of Medicine
Saint Louis, Missouri

1989-1996 Special Expert, Dermatology Branch, National Cancer
Institute, National Institutes of Health
Bethesda, Maryland

1990-Present Assistant Professor of Dermatology, Uniformed Services
University of the Health Sciences, F. Edward Hebert
School of Medicine
Bethesda, Maryland

1996-1998 Senior Investigator (GM-14), Dermatology Branch,
Division of Clinical Sciences, National Cancer Institutes,
National Institutes of Health
Bethesda, Maryland

1998-Present Senior Investigator (GM-15), Dermatology Branch,
Division of Clinical Sciences, National Cancer Institutes,
National Institutes of Health
Bethesda, Maryland

2001-Present Chief, Dermatology Branch, Center for Cancer Research,
National Cancer Institute, National Institutes of Health
Bethesda, Maryland

2001-Present Director, Dermatology Branch Residency Program,
National Cancer Institute, National Institutes of Health
Bethesda, Maryland

2006-Present Deputy Director, Center for Cancer Research, National
Cancer Institute, National Institutes of Health
Bethesda, Maryland

Kurt Lu, MD
Candidate for Resident/Fellow Director (Two-year Term)

Born: December 5, 1975
Nha Trang, Vietnam

Education:
1997 BS, University of Rochester
Rochester, NY

2002 MD, University of Rochester
Rochester, NY

Career:
2002-2003 Intern in Internal Medicine
Columbia University College of Physicians and Surgeons
St. Luke's-Roosevelt Hospital Center
New York, New York

2003-2005 Post-Doctoral Research Fellow
Department of Dermatology
Case Western Reserve University
Cleveland, Ohio

2006-present Resident in Dermatology (2+2)
Case Western Reserve University
University Hospitals of Cleveland
Cleveland, Ohio

Proposed Changes to the Bylaws of the SID

Proposed changes to the SID bylaws were distributed to members via email in April. Copies of proposed changes were also included in the blue portfolios distributed on-site at the Registration Counter.



Social & Networking Events

Social Event



On Thursday, May 10, 2007 from 7:30 p.m.-10:00 p.m., the sights and sounds of Europe come to life on the cobblestone street of Via Rodeo.

Located just off of Rodeo Drive, Beverly Hills' famed shopping district, beautifully ornate buildings line the street creating the backdrop for the SID's evening social event. When you arrive, you will be greeted by photo

hunting paparazzi. Brimming with European charm, the winding cobblestone street will lead you to numerous food station buffets, bars, outdoor seating, and indoor seating at McCormick & Schmick's restaurant.

This event is a great opportunity to catch up with old friends and meet new friends while exploring one of the most famous areas in Los Angeles—Rodeo Drive. Live entertainment will also be a feature of this not-to-miss evening under the stars.

Transportation by bus will be provided. Buses will depart from the hotel lobby beginning at 7:15 p.m. *This is a ticketed event (\$75 per person).*

Networking Events

SID Annual Meeting Mixer

On Wednesday, May 9, 2007 from 5:00 p.m.-6:30 p.m. the SID will present a reception for new members, first-time Meeting attendees and alumni and faculty of the Resident Retreat for Future Academicians. The mixer will give attendees a chance to learn more about the SID and network with other newcomers, young attendees and select SID faculty. *This event is by invitation only, and invitations will be mailed prior to the Meeting.*

Resident/Fellow Dinner Sessions

On Friday, May 11, 2007 from 7:30 p.m.-9:30 p.m., the SID will offer a special dinner program for residents, fellows and students. This prime networking opportunity will seat you and several peers with specially-selected, established investigators for face-to-face discussion of issues important to the field. *This is a ticketed event (\$25 per person), and you must pre-register before March 30, 2007.*