

Montagna Symposium on the Biology of Skin

Decoding Skin Disease: Integrating Genetics, Genomics & Disease Biology

Poster Presentations

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Salishan Resort, Ore., U.S.A.

Reilly Fankhauser¹, Hilary Seifert¹, Allison Fuiten¹, Nicholas DePatie¹, and Rajan Kulkarni^{1,2,3} **A novel approach for melanoma circulating tumor cell isolation from patient whole blood**

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Elizabeth Blalock¹, Sarah Forgeng¹, Lu Le^{1,2}, Sara Brown^{1,3}, Lynn Cornelius^{1,4}, Mark Udey^{1,4}, and Jodi L. Johnson^{1,5} **Utilizing the Research Techniques Made Simple series of the Journal of Investigative Dermatology to train future researchers on decoding complex skin diseases**

¹Journal of Investigative Dermatology, Chapel Hill, NC, USA; ²Department of Dermatology, University of Texas Southwestern, Dallas, TX, USA; ³University of Dundee, Scotland, UK, ⁴Division of Dermatology, Washington University in St Louis, MO, USA, ⁵Department of Dermatology, Northwestern University, Chicago, IL, USA.

Viktoryia Laurynenka¹, Shruti Eswar¹, Sreeja Parameswaran¹, Xiaoting Chen¹, Leah C. Kottyan¹⁻⁴, Matthew T. Weirauch^{1-3,5}, and John B. Harley^{1-3,6} **EBV is nominated as an initiating factor in psoriasis acting through associated genetic risk loci**

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Zhiping Wang, Ashley Yoo, Rachel De La Torre, Christina Topham, Jon Hanifin, Eric Simpson, Robert Messing, Molly Kulesz-Martin, and Yuanguang Liu **Trim32 deficiency enhances Th2 cell differentiation and is negatively associated with PKC ζ in atopic dermatitis models**

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Allison C. Billi^{1†}, Jessica E. Ludwig^{2,3†}, Yi Fritz^{2†}, Richard Rozic⁴, William R. Swindell^{1,5}, Lam C. Tsoi^{1,6,7}, Shahla Abdollahi-Roodsaz⁸, Xianying Xing¹, Dennis Gruzka^{2,3}, Doina Diaconu², Ranjitha Uppala¹, Maya I. Camhi², Philip A. Klenotic², Mrinal K. Sarkar¹, Christine M. McDonald⁹, Ronald Midura⁴, M. Elaine Husni¹⁰, J. Michelle Kahlenberg¹¹, Jose U. Scher¹², Johann E. Gudjonsson¹, and Nicole L. Ward^{2,3,13} **KLK6-PAR1 signaling links skin inflammation with development of arthritis**

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Voorhees¹, Andre Franke⁵, Vinod K. Sharma², and James T. Elder^{1,6} **Genome wide association study of psoriasis in the Indian subcontinent and trans-ethnic analysis identifies three new loci**

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Tatsuya Ogawa¹, Yosuke Ishitsuka¹, Dennis R. Roop², and Manabu Fujimoto³ **Loricrin protects against chemical carcinogenesis but promotes cancer immunoediting**

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Alex G. Ortega-Loayza¹; Marcia A. Friedman², Teri Greiling¹, Pamela Cassidy¹, Eric L. Simpson¹, and James T. Rosenbaum² **Molecular characterization of pyoderma gangrenosum**

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Marika Quadri¹, Alessandra Marconi¹, Elisabetta Palazz¹, Carlo Pincelli¹, and Giovanni Pellacani² **Biomolecular and biological characterization of melanoma subtypes selected by reflectance confocal microscopy**

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Larissa Walker¹, Joanna Kreitinger¹, Nicholas Wageling¹, Kathy Fields², Katie Rodan², J. Simon Craw², Timothy Falla², Christine Crane², and Philippe Diaz^{1,3} **Small molecule inhibition of AKR1B10 to improve retinaldehyde efficacy and increase endogenous atRA**

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Rohan Mylavarapu¹, Molly Plehaty¹, Nema Sobhani¹, Wanida Stevens¹, Rachel Flores¹, Michelle Mangette¹, Jeffrey Finlon², Jerry Ward³, Neil Box¹, Friedemann Kiefer⁴, Beth Tamburini², and Tamara Terzian¹ **Genetic Determinants of Cutaneous Primary Lymphedema**

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Chang Zeng, Allison C. Billi, and Johann E. Gudjonsson **Differential epigenetic profiles in keratinocytes may lead to the predisposition of sex-biased skin diseases**

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Zhaolin Zhang¹, Lam C. Tsoi¹, Rajan P. Nair¹, Philip E. Stuart¹, Roger Pique-Regi³, Xiaoquan Wen², and James T. Elder^{1,4} **Differential accessibility of AP-1 family binding sites in CD3-CD28 activated vs. resting T cells**

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