

Genetic-Epigenetic Basis of Skin Diseases

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Program Chair
Angela M. Christiano, Ph.D.

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

Posters

Mark Birch-Machin¹, M. Birket³, A. Anderson¹, A. Oyewole¹, J. Henderson², H. Swalwell¹, and P. Manning²

¹*Dermatological Sciences*, ²*Biosensors, Institute of Cellular Medicine, Newcastle University, Newcastle upon Tyne, UK*; ³*Buck institute, Novato, CA*

The use of nanosensors and mitochondrial DNA to investigate oxidative stress and aging in human skin

Paul E. Bowden, Tammy Easter, and Fiona Ruge

Department of Dermatology, Cardiff University, Cardiff, UK

Two dominant heterozygous mutations (p.Ser143Asn and p.Glu472Lys) in keratin 6c (K6c) identified in a three generation family with hereditary painful callosities.

Caitlin Cloud¹, Ann Tomanek-Chalkley², Susan Wiechert², Nukhet Aykin-Burns³, and Jackie R. Bickenbach^{1,2,4}

¹*Department of Pathology*; ²*Department of Anatomy and Cell Biology*; ³*Department of Radiation Oncology*; ⁴*Department of Dermatology, Carver College of Medicine, The University of Iowa, Iowa City, IA*

Oxygen tension, not ROS, effects an age-related response in human keratinocytes

Elena Ezhkova¹, H. Amalia Pasolli¹, Nicole Stokes¹, I-hsin Su², Alexander Tarakhovskiy², and Elaine Fuchs¹

¹*Howard Hughes Medical Institute, Laboratory of Mammalian Cell Biology and Development, The Rockefeller University, New York, NY*; ²*Laboratory of Lymphocyte Signaling, The Rockefeller University, New York, NY*

Ezh2 orchestrates gene expression for the stepwise differentiation of skin stem cells

Jayme R. Gallegos, Molly F. Kulesz-Martin
Department of Dermatology, Oregon Health & Science University, Portland, OR
The interaction of p73 with Piasy and Trim32 E3 ligases in cancer

Erin Gilbert, Sharon S. Glick
SUNY Downstate Medical Center, Brooklyn, NY
Papillon-Lefevre Syndrome: A review of molecular mechanisms and a case presentation

Géraldine Guasch, Laura Runck
Cincinnati Children's Hospital Medical Center, Division of Developmental Biology, Cincinnati, OH
Characterization of transitional epithelia associated with tumor formation

Valiantsina Kazlova¹, Shyam Ramakrishnan¹, Ron Sharpe¹, Ken Kornman², and Leon Wilkins²
¹Access Business Group, Buena Park, CA; ²Interleukin Genetics, Inc., Waltham, MA
The regulation of expression of inflammatory and connective tissue related genes in response to UV-irradiation provides basis for "personalized" skin care

L.G. Hudson¹, J.M. Gale², R. S.Padilla¹, G. Pickett¹, G. B. Tafoya¹, B.E. Alexander¹, S. Tsavachidis³, and **Donna F. Kusewitt**³
¹University of New Mexico School of Medicine, Albuquerque, NM; ²Tricore Reference Lab, Albuquerque, NM; ³M.D. Anderson Cancer Center, Science Park Research Division, Smithville, TX
Patterns of gene expression in cutaneous squamous cell carcinoma

Elsa Jungman, **Mikael Langner**, and Howard Maibach
Department of Dermatology, University of California, San Francisco, San Francisco, CA
Bioengineering methodology for phenotype quantification in genetic skin disease

LaTondra Lawrence, Michael Bergel
Department of Biology, Texas Woman's University, Denton, TX
Chromosomal protein HMGN enhances HeLa cells survival and DNA repair rates following UV irradiation

Hui Nian¹, J. Lee², A.J.L. Cooper², R. Sinha³, J. Dai³, W.H. Bisson¹, J.T. Pinto², W.M. Dashwood¹, and R.H. Dashwood¹
¹Linus Pauling Institute, Oregon State University, Corvallis, OR; ²New York Medical College, Valhalla, NY; ³Penn State College of Medicine, Hershey, PA
 α -keto acid metabolites of organoselenium compounds inhibit histone deacetylase (HDAC) activity

James G. Rheinwald, Fay Minty, Martin Degen, Sally Dabelsteen, Zongyou Guo, and Patricia Barron
Department of Dermatology, Brigham and Women's Hospital and Harvard Skin Disease Research Center, Harvard Medical School, Boston, MA

Roles of 63 and exogenous factors in regulating basal cell marker expression and proliferative potential in stable vs. plastic human somatic epithelial cell types

Stephanie Harkey Shirley, Jing He, and Donna F. Kusewitt
Department of Carcinogenesis, University of Texas M.D. Anderson Cancer Center, Science Park Research Division, Smithville, TX

Regulation of Snail family transcription factors in melanoma

Mangalam Subramanian, Sheba John, Leah BeCoats, and Michael Bergel
Department of Biology, Texas Woman's University, Denton, TX

HMGN1/N2 Nucleosomal Binding Proteins are involved in the NER-global genome repair subpathway by both histone acetylation-dependent and histone acetylation-independent pathways

Kathleen L. Tober¹, Jonathan S. Schick¹, Judy A. Riggenbach¹, Jennifer M. Thomas-Ahner², and Tatiana M. Oberyszyn¹
¹The Ohio State University Department of Pathology Columbus, OH; ²Nationwide Children's Hospital Columbus, OH

Sex differences in UVB-induced inflammation and oxidative DNA damage

Valerie L.R.M. Verstraeten^{1,2}, Lana A. Peckham¹, Michelle Olive³, Cathy MacGillivray¹, Brian C. Capell⁴, Francis S. Collins⁴, Elizabeth G. Nabel³, Colin L. Stewart⁵, Loren G. Fong⁶, Stephen G. Young⁶, and Jan Lammerding¹

¹Cardiovascular Division, Department of Medicine, Brigham and Women's Hospital/Harvard Medical School, Cambridge, MA; ²Department of Dermatology, University Hospital Maastricht, Maastricht, The Netherlands; ³Cardiovascular Branch, National Heart, Lung, and Blood Institute, National Institutes of Health, Bethesda, MD; ⁴National Human Genome Research Institute, National Institutes of Health, Bethesda, MD; ⁵Institute of Medical Biology, 61 Biopolis Drive, Proteos, Singapore; ⁶Department of Medicine, David Geffen School of Medicine, University of California, Los Angeles, CA.

Farnesyltransferase inhibitor treatment causes donut-shaped nuclei

Rong Wang¹, W Mohaiza Dashwood¹, Christiane V. Löhr², Kay A. Fischer², Clifford B. Pereira³ and Roderick H. Dashwood^{1,4}

Linus Pauling Institute¹, College of Veterinary Medicine², Department of Statistics³, Department of Environmental and Molecular Toxicology⁴, Oregon State University, Corvallis, OR

Molecular analyses of the skin tumors induced by a cooked meat heterocyclic amine carcinogen, PhIP, alternating with high-fat diet