2014

Research Award Recipients

March 2014
Annual Meeting
Denver, CO
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Charles & Daneen Stiefel Scholar Award in Autoimmune &/or Connective Tissue Diseases

John E. Harris, M.D., Ph.D.
University of Massachusetts
Skin-Resident Memory T Cells in Vitiligo

Clinical Career Development Award in Health Care Policy

Anokhi Jambusaria-Pahlajani, M.D.
Mayo Graduate School of Medicine Program
Validation of SCC Staging Systems And Development of a Prediction Tool to Estimate Recurrence Risk

Joslyn S. Kirby, M.D. – Year 2
Pennsylvania State University
Pharmacoeconomic Analysis of Current and Alternative Reimbursement Models for Actinic Keratoses

Eleni Linos, M.D. – Year 3
University of California, San Francisco
Non-Melanoma Skin Cancer Care in Elderly Patients with Limited Life Expectancy

Junko Takeshita, M.D., Ph.D. – Year 2
University of Pennsylvania
The Risk of Serious Infection in Patients with Psoriasis

Clinical Career Development Award in Dermatologic Surgery

Sean R. Christensen, M.D., Ph.D. – Year 2
Yale University
Identifying Novel Regulators of Ultraviolet-Induced Apoptosis in Human Squamous Cell Carcinoma

Marcus L. Frohm, M.D. – Year 2
University of Michigan
Pharmacological Treatment of BCC: How Much Do We Really Know?
Clinical Career Development Award in Dermatologic Surgery (cont.)

Christine A. Liang, M.D.
*Brigham and Women's Hospital*
Mohs Surgery for Melanoma In Situ: Optimization and Outcomes

Margaret Mann, M.D.
*Case Western Reserve University*
Refining Dermatologic Surgical Training in Residency

Yaohui Gloria Xu, M.D.
*University of Wisconsin Medical School*
Archilles' Heel in Melanoma - CDR-BP as a Potential Prognostic Marker and Therapeutic Target

Physician Scientist Career Development Award

Christopher G. Bunick, M.D., Ph.D. – Year 2
*Yale University*
Determining Structure and Function of the N-terminus of Human Keratins Using X-ray Crystallography

Brian C. Capell, M.D., Ph.D.
*University of Pennsylvania Hospital*
The Role of Epigenomic Changes in Skin Senescence and Transformation

Donna A. Culton, M.D., Ph.D. – Year 2
*University of North Carolina, Chapel Hill*
The Role of Circulating Antigen Experienced B Cells in Pemphigus: Lessons from Rituximab

Shadmehr Demehri, M.D., Ph.D.
*Washington University Medical Center*
The Mechanism of NK Cell Activation and Its Implications in Skin Cancer Immunotherapy

Sarina B. Elmariah, M.D., Ph.D. – Year 3
*Harvard University*
The Role of Proteases and Neurogenic Inflammation in the Pathogenesis of Atopic Dermatitis
Physician Scientist Career Development Award (cont.)

**Donald A. Glass, II, M.D., Ph.D. – Year 2**  
*University of Texas Southwestern Medical Center*  
Determining the Genetic Causes of Keloid Formation

**Michael D. Gober, M.D., Ph.D. – Year 2**  
*University of Pennsylvania*  
The Effect of Voriconazole in Promoting UV-induced cSCC

**Ali Jabbari, M.D., Ph.D. – Year 3**  
*Columbia University*  
Biomarker Development in Discoid Lupus

**Thomas H. Leung, M.D. – Year 3**  
*Stanford University*  
Understanding Tissue Regeneration in Mouse and Human Epithelial Cells

**Peggy S. Myung, M.D., Ph.D.**  
*Yale University School of Medicine*  
The Role of Non-cell Autonomous Wnt Activation in Hair Follicle Growth and Basal Cell Carcinoma

**Eon J. Rios, M.D., Ph.D.**  
*Stanford Univ. School of Medicine*  
Non-Coding RNAs in Epidermal Homeostasis and Neoplasia

**Tiffany C. Scharschmidt, M.D. – Year 2**  
*University of California, San Francisco*  
Identifying Key Genetic Determinants of Staphylococcus Aureus Skin Colonization

**Matthew J. Turner, M.D. – Year 3**  
*Indiana University*  
Inductive Keratinocyte-Derived Cytokines in a Murine Model of Atopic Dermatitis

**Iwei Yeh, M.D., Ph.D.**  
*University of California, San Francisco*  
Activating B-catenin Mutations Cooperate with BRAFV600E to Promote Invasion
Physician Scientist Career Development Award (cont.)

Lisa C. Zaba, M.D., Ph.D. – Year 2
Stanford University
Long Noncoding RNAs in Skin Fibrosis and Scleroderma Pathogenesis

Science of Human Appearance Career Development Award

Sivan Harel, Ph.D. – Year 2
Columbia University
The Role of Hair Follicle Immune System in Age-Dependent Hair Loss

Phillip D. Holler, M.D., Ph.D. – Year 2
University of Pennsylvania
Molecular Characterization of Hair Follicle Neogenesis

Frank Wang, M.D. – Year 3
University of Michigan
Reversal of Aged Skin Appearance by Enhancing Structural Support with Cross-Linked Hyaluronic Acid

Mingang Xu, Ph.D. – Year 3
University of Pennsylvania
The Roles of Wnt10a and Pkp1 in Skin and Hair Follicle Development and Renewal

Medical Dermatology Career Development Award

Adela Rambi G. Cardones, M.D. – Year 3
Duke University
Quantitative Assessment of Disease Severity in Chronic Cutaneous Graft-vs-Host Disease

Ron J. Feldman, M.D., Ph.D. – Year 2
Emory University
Phenotypic and Functional Analysis of B Cells in Patients with Autoimmune Blistering Diseases
Medical Dermatology Career Development Award (cont.)

Meg R. Gerstenblith, M.D. – Year 3  
Case Western Reserve University  
Identifying Clinically Relevant Subtypes of Melanoma Using Genomic Profiling

Anna K. Haemel, M.D. – Year 3  
University of California, San Francisco  
A Comprehensive Approach to Study Systemic Sclerosis at the Molecular and Cellular Level

Kavita Y. Sarin, M.D., Ph.D.  
Stanford Univ. School of Medicine  
Genetic Markers of Therapy Resistance in Advanced Basal Cell Carcinoma

Stefan M. Schieke, M.D. – Year 2  
Medical College of Wisconsin  
mTOR Inhibitors in Cutaneous T-Cell Lymphoma: Therapeutic Efficacy and Molecular Mechanisms

Marie S. Tuttle, M.D.  
Case Western Reserve University  
The Role of Iron in the Perpetuation of Inflammation and Infection in Chronic Wounds

Ruth Ann Vleugels, M.D. – Year 3  
Harvard University  
Cutaneous Lupus Erythematosus: Developing a Novel Assessment Tool and Investigating Disease Associations

Dermatopathology Research Career Development Award

Emily Y. Chu, M.D., Ph.D.  
University of Pennsylvania Hospital  
Identification of Molecular Prognostic Markers for Thin Melanomas

Paul W. Harms, M.D., Ph.D. – Year 2  
University of Michigan  
Mutational Landscape of Merkel Cell Carcinoma by Next Generation Sequencing
Dermatopathology Research Career Development Award (cont.)

Basil A. Horst, M.D. – Year 3
*Columbia University*
Analysis of Inositol Polyphosphate 4-Phosphatase Type II in Melanocytic Lesions

Philip O. Scumpia, M.D., Ph.D.
*University of California, Los Angeles*
Regulation of Macrophage Inflammatory Networks by Neutral Stress Pathways in Skin Disease

Janis Marie Taube, M.D. – Year 2
*Johns Hopkins Medical Institutions*
PD-1/PD-L1 Immune Checkpoint Blockade in Melanoma

Women's Health Career Development Award

Beth N. McLellan, M.D. – Year 2
*Albert Einstein College of Medicine*
Characteristics of Alopecia in Breast Cancer Patients Treated with Hormonal Therapy

Bethanee J. Schlosser, M.D., Ph.D. – Year 3
*Northwestern University*
Clinical and Molecular Characterization of Lichen Sclerosus as a Model of Vulvar Epithelial Fibrosis

Megha M. Tollefson, M.D.
*Mayo Clinic*
Quality of Life of Parents and Caregivers of Children with Psoriasis

Pediatric Dermatology Career Development Award

Yvonne E. Chiu, M.D.
*Medical College of Wisconsin*
Clinical and Genetic Investigations of Pediatric Morphea

Jennifer T. Huang, M.D.
*Harvard University*
Late Skin Effects in Children After Hematopoietic Stem Cell Transplant
Research Career Development Award

Yeon Sook Choi, Ph.D. – Year 2
*University of Pennsylvania*
  WNT Signals in Merkel Cell Development and Regeneration

Anna De Benedetto, M.D. – Year 2
*University of Rochester*
  Tight Junction Defects in Atopic Dermatitis: Crossroads Between Barrier and Immune Response

Anнемиеке de Jong, Ph.D. – Year 3
*Columbia University*
  Functional and Phenotypic Analysis of Pathogenic T Cells in Alopecia Areata

Jodi L. Johnson, Ph.D. – Year 3
*Northwestern University*
  Role of Cell Anchoring Desmosomal Proteins in the Epidermal Responses to UV Exposure

Masaoki Kawasumi, M.D., Ph.D. – Year 2
*University of Washington*
  Chemical Genetic Dissection of the UV DNA Damage Response and Carcinogenesis

Javed A. Mohammed, Ph.D.
*University of Minnesota*
  Keratinocytes Control Langerhans Cell Migration by Spatial Expression of RGD-binding Integrins

Han Peng, Ph.D.
*Northwestern University*
  Regulation of the Cell Cycle by MicroRNAs: Quiescence Versus Proliferation

Poulakos I. Poulikakos, Ph.D.
*Mount Sinai Medical Center*
  Understanding RAF Regulation to Develop Novel Strategies for Targeting RAF Signaling in Melanoma

Enrique C. Torchia, Ph.D. – Year 3
*University of Colorado, Denver*
  Molecular Mechanisms of Aurora Kinase A Mediated Carcinogenesis
Dermatologist Investigator Research Fellowship

**Katrina E. Abuabara, M.D.**  
*University of Pennsylvania Hospital*  
The Natural History of Eczema in Children and Young Adults

**Katherine O. Ayoade, M.D., Ph.D.**  
*University of Texas, Dallas*  
The Role of DAF-12 in the Parasitism of Nippostrongylus Brasiliensis

**Samuel J. Balin, M.D., Ph.D.**  
*University of California, Los Angeles*  
B Cells in Leprosy

**John O'Malley, M.D., Ph.D.**  
*Columbia University*  
Using Next Generation Sequencing to Examine T-cell Receptor Diversity in Mycosis Fungoides

**Jubin W. Ryu, M.D., Ph.D.**  
*University of California, San Francisco*  
Creating Nanotopography for Transdermal Drug Delivery and Treatment of Fibrotic Disorders

**Amanda E. Zubek, M.D., Ph.D.**  
*Yale University School of Medicine*  
Eludication of SUN Protein Function in Epidermal Development

Fellowship in Pediatric Dermatology

**Jennifer L. Sorrell, M.D.**  
*Columbia University*  
Alopecia Areata, Atopic Dermatitis and Autoimmune Associations (A-Five Study)

Dermatopathology Research Grant

**Jochen T. Schaefer, M.D.**  
*University of Connecticut*  
Genomic Analysis of Cellular Dermatofibromas and Cystic Fibrohistiocytic Tumors of the Lung
Research Grant

**Jing Chen, Ph.D.**
*University of Pennsylvania Hospital*
Genetic and Protein Analysis of Anti-Desmoglein Antibodies in Pemphigus Vulgaris

**Qiaoli Li, Ph.D.**
*Thomas Jefferson University*
Molecular Basis of Pityriasis Rubra Pilaris

**Oxana Nekrasova, Ph.D.**
*Northwestern University*
A Novel Desmoglein-1/Tctex-1(Dynein Light Chain) Interaction in Epidermis

**Kaelyn D. Sumigray, Ph.D.**
*Duke University Medical Center*
Cell and Tissue Responses to Desmosome Disruption

**Tamara Terzian, Ph.D.**
*University of Colorado, Denver*
p53 in Photoprotection