



**2021**

# **Research Award Recipients**

**March 20, 2021**

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### **Charles and Daneen Stiefel Scholar Award in Skin Cancer**

**Brian C. Capell, M.D., Ph.D. – Year 3**

University of Pennsylvania  
*Restoring Epigenomic Histone Methylation Dynamics for the Treatment of  
Keratinocyte Carcinomas*

**Iwei Yeh, M.D., Ph.D. – Year 2**

University of California, San Francisco  
*Novel Therapies for KIT Mutant Melanoma*

### **Sun Pharma Research Award**

**Elizabeth A. Grice, Ph.D. – Year 3**

University of Pennsylvania  
*Harnessing the Commensal Skin Microbiota to Modulate Inflammation and  
Barrier Function*

**Johann E. Gudjonsson, M.D., Ph.D. – Year 2**

University of Michigan  
*Mechanisms of B-cell Activation and Autoantibody Formation in SLE*

**Tiffany C. Scharschmidt, M.D.**

University of California, San Francisco  
*Contributions of Early Life Bacterial-barrier-immune Interactions in the Path to  
Atopy*

### **Career Development Awards**

#### **Public Health Career Development Award**

**Aileen Chang, M.D.**

University of California, San Francisco  
*Hospital Utilization for Skin Diseases in Persons Experiencing Homelessness*

**Lauren Orenstein, M.D.**

Emory University  
*Pain in Hidradenitis Suppurativa: The Role of Nerve Sensitization and Defining  
Pain Outcomes*

**Joy Wan, M.D., M.S.C.E. – Year 2**

University of Pennsylvania  
*Neurocognitive Functioning of Children with Atopic Dermatitis*

**Adewole S. Adamson, M.D. – Year 3**

University of Texas, Austin  
*Optimizing Care Delivery and Health Equity in Patients with Melanoma*

### **Clinical Career Development Award in Dermatologic Surgery**

**Kenneth Yu, M.D., Ph.D.**

Brigham and Women's Hospital  
*Identifying Molecular Determinants of Prognosis in Advanced Squamous Cell Carcinoma*

**Wesley Y. Yu, M.D.**

Oregon Health & Sciences University  
*Preventing Metastasis of High-Risk Melanoma*

### **Physician Scientist Career Development Award**

**Christoph T. Ellebrecht, M.D.**

University of Pennsylvania  
*Development of Targeted Immunotherapy for and Transcriptional Profiling of  $\gamma\delta$  T Cell Diseases*

**Chen Wang, M.D., Ph.D.**

Stanford University  
*Identification of Disease Driving T-Cells and Antigens in Alopecia Areata*

**Lee E. Wheless, M.D., Ph.D. – Year 2**

Vanderbilt University  
*Using Machine Learning to Stratify Skin Cancer Risk in Organ Transplant Recipients*

**Matthew D. Vesely, M.D., Ph.D. – Year 3**

Yale University  
*Stimulating Immune Inhibitory Receptors for the Treatment of Cutaneous Lupus*

**Sarah Whitley, M.D., Ph.D. – Year 3**

University of Pittsburgh  
*IL-23 Regulates Cutaneous Resident Memory T Cell Development and Maintenance*

### **Science of Human Appearance Career Development Award**

**Aayushi Uberoi, Ph.D.**

University of Pennsylvania  
*Skin Microbiome-Aryl Hydrocarbon Receptor Crosstalk at Skin Interface Regulates Barrier Function*

**Donna M. Brennan-Crispi, Ph.D. – Year 3**

University of Pennsylvania  
*Roles and Modulation of WNT-FZD Signaling in Hair*

### Medical Dermatology Career Development Award

**Tina Bhutani, M.D.**

University of California, San Francisco

*Evaluating the Impact of Sleep on Psoriasis and Associated Comorbidities*

**Steven T. Chen, M.D., M.P.H.**

Massachusetts General Hospital

*Investigation of Dermatologic Toxicity from Immune Checkpoint Blockade in Advanced Malignancies*

**Galen T. Foulke, M.D.**

University of North Carolina, Chapel Hill

*Closing Practice Gaps in Dermatomyositis Malignancy Screening*

**Crystal U. Aguh, M.D. – Year 2**

Johns Hopkins University

*Exploring Gene Expression Patterns and Biomarkers of Disease Severity in CCCA*

**Albert Chiou, M.D. – Year 3**

Stanford University

*Evaluating Collagen VII Corrected Skin Grafts for Recessive Dystrophic Epidermolysis Bullosa*

**Shawn G. Kwatra, M.D. – Year 3**

Johns Hopkins University

*Racial Differences in Biomarkers and Therapeutic Targets for Chronic Itch*

### Women's Health Career Development Award

**Jarish Cohen, M.D., Ph.D.**

University of California, San Francisco

*Elucidating the Role of Regulatory T Cell in Protecting Cutaneous Epithelial Stem Cell Niches*

**Allison C. Billi, M.D., Ph.D. – Year 2**

University of Michigan

*VGLL3 Regulation in Female-Biased Autoimmune Diseases*

**Alicia Little, M.D., Ph.D. – Year 3**

Yale University

*Role of T Follicular Helper Cells (Tfh) in Chronic Cutaneous Lupus Erythematosus*

### **Research Career Development Award**

**Indermeet Kohli, Ph.D.**

Henry Ford Medical Center

*Optimizing Phototesting and Investigating Photobiology of Visible Light*

**Matthew T. Patrick, Ph.D.**

University of Michigan

*Identification of Shared Genetic and Modifiable Risk Factors for Psoriasis and Multiple Sclerosis*

**Satish Sati, Ph.D.**

University of Pennsylvania

*Investigating Neuroimmune Interactions to Promote Scarless Skin Regeneration*

**Juan-Manuel Leyva-Castillo, Ph.D. – Year 3**

Harvard University

*Role of PAX5 in Skin-derived Dendritic Cells During the Development of Allergic Skin Inflammation*

### **Dermatopathology Research Career Development Award**

**Paul L. Haun, M.D.**

University of Pennsylvania

*Biomarker Analysis of Transcriptome Signatures in Mycosis Fungoides Across Clinicopathologic Stages*

**Joel C. Sunshine, M.D., Ph.D.**

Johns Hopkins University

*Loss of Effective Antigen Presentation in Melanoma and Treatment Failure*

**Randie Hee Kim, M.D., Ph.D. – Year 3**

New York University

*Using Artificial Intelligence to Improve Prognosis of Intermediate Thickness Melanomas*

**Ursula E. Lang, M.D., Ph.D. – Year 3**

University of California, San Francisco

*Investigating the Role of Primary Cilia in Melanocytes and Melanomagenesis*

### **Pediatric Dermatology Career Development Award**

**Carrie Coughlin, M.D.**

Washington University

*Choice Help: Optimizing Outcomes by Supporting Encounters for kids with Congenital Melanocytic Nevi*

## **Pediatric Dermatology Career Development Award, Cont.**

**Dawn Z. Eichenfield, M.D., Ph.D.**

University of California, San Diego  
*Characterizing the Genetics and Epigenetics of Linear Morphea*

**Lisa M. Arkin, M.D. – Year 2**

University of Wisconsin  
*Towards a Precision-Based Treatment for Port Wine Birthmarks*

**JiaDe Yu, M.D. – Year 3**

Massachusetts General Hospital  
*Prospective North American Pediatric Allergic Contact Dermatitis Registry*

## **Fellowships**

### **Dermatologist Investigator Research Fellowship**

**Noah Hornick, M.D., Ph.D.**

Yale University  
*Distinguishing the Mechanisms of Tumoral Immune Response and Cutaneous Adverse Events*

**Anna Kersh, MD., Ph.D.**

University of Pennsylvania  
*Elucidating Genes Involved in the Pathogenesis of Lichen Planus and Lichenoid Dermatoses*

**Benjamin A. Nanes, M.D., Ph.D**

Southwestern Med. School University of Texas  
*Modulation of Epidermal Plasticity by Keratin Intermediate Filaments*

**Amy R. Vandiver, M.D., Ph.D.**

University of California, Los Angeles  
*Assessing the Functional Consequences of Mitochondrial Genomic Alterations in Cutaneous Aging*

## **Grants**

### **Patient Directed Investigation Grant**

**Charlene Lam, M.D.**

Pennsylvania State University  
*Cell Signaling Changes Induced by Surgical Debulk May Improve Response to Smoothed Inhibitor Therapy*

## **Research Grant**

**Stephanie R. Gillespie, Ph.D.**

Columbia University  
*Investigating the Role of Ctsk in CD200-stimulated Cutaneous Squamous Cell Carcinoma Metastasis*

**Matthew L. Hedberg, M.D., Ph.D.**

University of Pennsylvania  
*Immunoediting in Cutaneous Squamous Carcinogenesis*

**Naiem T. Issa, M.D., Ph.D.**

University of Miami  
*Computational Drug Discovery of Novel Small Molecule Inhibitor Chemotypes of GNAQ (Gq) Signaling*

**Nan Ring, M.D.**

Yale University  
*Characterizing the Role of the Cutaneous Microbiota in Darier Disease*

**Mariana Silva, Ph.D.**

Brigham and Women's Hospital  
*Cell Type-dependent PD-1 Inhibitor Affinity and Its Significance in Melanoma Immunotherapy*

**Takeshi Yamauchi, Ph.D.**

University of Colorado, Denver  
*The Role of Ethanol and Acetaldehyde in Melanocytes*

## **Women's Health Research Grant**

**Melissa Mauskar M.D.**

Southwestern Med. School University of Texas  
*Characterizing the Microbiome in Postmenopausal Women with Vulvar Lichen Sclerosus*

## **Diversity Research Supplement Awards**

**Katrina E. Abuabara, M.D.**

University of California, San Francisco  
*Skin Barrier Function and Post-arthroplasty Infection Rates in Older Adults*

**Katrina E. Abuabara, M.D.**

University of California, San Francisco  
*Atopic Dermatitis in Childhood and Risk of Early Cardiovascular Disease*



**Diversity Research Supplement Awards, Cont.**

**Katrina E. Abuabara, M.D.**

University of California, San Francisco  
*DNA Methylation Age Acceleration and Atopic Dermatitis Disease Course*

**Zelma C. Chiesa-Fuxench, M.D.**

University of Pennsylvania  
*Risk of Infection in Adult Patients with Atopic Dermatitis Exposed to Janus Kinase Inhibitors (JAKi)*

**Masaoki Kawasumi, M.D., Ph.D.**

University of Washington  
*Targeting Epigenetic Abnormalities to Inhibit Skin Cancer*

**Megan H. Noe, M.D., M.P.H.**

Brigham and Women's Hospital  
*Vaccination Behaviors in Adults with Chronic Inflammatory Skin Diseases*

**Bethany E. Perez-White, Ph.D.**

Northwestern University  
*Reversal of Tight Junction Dysfunction in Atopic Dermatitis by Engaging EPHA2 Signaling*

**Jillian M. Richmond, Ph.D.**

University of Massachusetts  
*Cutaneous T-cell Lymphoma and Canine Epitheliotropic Lymphoma: A Comparative Analysis*

**Junko Takeshita, M.D., Ph.D.**

University of Pennsylvania  
*Evaluating Racial/Ethnic Differences in the Quality-of-Life Impact of Acne*

**Junko Takeshita, M.D., Ph.D.**

University of Pennsylvania  
*Understanding Health Care Seeking Behaviors for Pediatric Atopic Dermatitis*

**Iwei Yeh, M.D., Ph.D.**

University of California, San Francisco  
*The Role of NF1 and SPRED1 in KIT Mutant Melanoma*