2020

Research Award Recipients

March 24, 2020
## Contents

<table>
<thead>
<tr>
<th>Award</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Charles &amp; Daneen Stiefel Scholar Award in Skin Cancer</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Sun Pharma Research Award</strong></td>
<td>3</td>
</tr>
<tr>
<td><strong>Career Development Awards:</strong></td>
<td></td>
</tr>
<tr>
<td>Public Health Career Development Award</td>
<td>3</td>
</tr>
<tr>
<td>Clinical Career Development Award in Dermatologic Surgery</td>
<td>4</td>
</tr>
<tr>
<td>Physician Scientist Career Development Award</td>
<td>4</td>
</tr>
<tr>
<td>Science of Human Appearance Career Development Award</td>
<td>5</td>
</tr>
<tr>
<td>Medical Dermatology Career Development Award</td>
<td>5</td>
</tr>
<tr>
<td>Women’s Health Career Development Award</td>
<td>5-6</td>
</tr>
<tr>
<td>Research Career Development Award</td>
<td>6</td>
</tr>
<tr>
<td>Dermatopathology Research Career Development Award</td>
<td>6-7</td>
</tr>
<tr>
<td>Pediatric Dermatology Career Development Award</td>
<td>7</td>
</tr>
<tr>
<td><strong>Fellowship:</strong></td>
<td></td>
</tr>
<tr>
<td>Dermatologist Investigator Research Fellowship</td>
<td>7-8</td>
</tr>
<tr>
<td><strong>Grants:</strong></td>
<td></td>
</tr>
<tr>
<td>Patient Directed Investigation Grant</td>
<td>8</td>
</tr>
<tr>
<td>Research Grant</td>
<td>8</td>
</tr>
<tr>
<td>Women’s Health Research Grant</td>
<td>8</td>
</tr>
<tr>
<td><strong>Diversity Research Supplement Award</strong></td>
<td>8-9</td>
</tr>
</tbody>
</table>
Charles and Daneen Stiefel Scholar Award in Skin Cancer

Brian C. Capell, M.D., Ph.D. – Year 2
University of Pennsylvania
Restoring Epigenomic Histone Methylation Dynamics for the Treatment of Keratinocyte Carcinomas

Todd W. Ridky, M.D., Ph.D. – Year 3
University of Pennsylvania
Inhibiting Melanoma via a Novel and Druggable GPCR Pathway

Iwei Yeh, M.D., Ph.D.
University of California, San Francisco
Novel Therapies for KIT Mutant Melanoma

Sun Pharma Research Award

Elizabeth A. Grice, Ph.D. – Year 2
University of Pennsylvania
Harnessing the Commensal Skin Microbiota to Modulate Inflammation and Barrier Function

Johann E. Gudjonsson, M.D., Ph.D.
University of Michigan
Mechanisms of B-cell Activation and Autoantibody Formation in SLE

Career Development Awards

Public Health Career Development Award

Adewole S. Adamson, M.D. – Year 2
University of Texas, Austin - Dell
Optimizing Care Delivery and Health Equity in Patients with Melanoma

Lynn M. Petukhova, Ph.D. – Year 2
Columbia University
Neuropsychiatric and Metabolic Comorbidities in Patients with Autoimmune Diseases of the Skin

Aaron M. Secrest, M.D., Ph.D., M.P.H. – Year 3
University of Utah
Clinical Utility of Patient-Reported Outcomes in Dermatology

Joy Wan, M.D., M.S.C.E.
University of Pennsylvania
Neurocognitive Functioning of Children with Atopic Dermatitis
Clinical Career Development Award in Dermatologic Surgery

Mary L. Stevenson, M.D. – Year 3
New York University
*Identification of Novel Risk Factors and Biomarkers for Poor Outcomes in Squamous Cell Carcinoma*

Rie Takahashi, M.D., Ph.D.
University of California, Los Angeles
*Cellular Diversity of Human Cutaneous Squamous Cell Carcinomas*

Abigail Waldman, M.D., M.H.S. – Year 3
Brigham and Women's Hospital
*Developing a Clinically Relevant Skin Cancer Patient Reported Outcome Measure (PROM)*

Physician Scientist Career Development Award

David Y. Chen, M.D., Ph.D. – Year 3
Washington University
*Epigenetic Regulation of Skin Homeostasis and Tumorigenesis*

William E. Damsky, M.D., Ph.D. – Year 3
Yale University
*Elucidating and Overcoming Mechanisms of Immunotherapy Resistance in Melanoma*

Allen W. Ho, M.D., Ph.D. – Year 3
Brigham and Women's Hospital
*Mechanisms of Immune Tolerance to Apoptotic Cells and Its Role in Cutaneous Autoimmunity*

Matthew D. Vesely, M.D., Ph.D. – Year 2
Yale University
*Stimulating Immune Inhibitory Receptors for the Treatment of Cutaneous Lupus*

Lee E. Wheless, M.D.
Vanderbilt University
*Using Machine Learning to Stratify Skin Cancer Risk in Organ Transplant Recipients*

Sarah Whitley, M.D., Ph.D. – Year 2
University of Pittsburgh
*IL-23 Regulates Cutaneous Resident Memory T Cell Development and Maintenance*
Science of Human Appearance Career Development Award

Donna M. Brennan-Crispi, Ph.D. – Year 2
University of Pennsylvania
*Roles and Modulation of WNT-FZD Signaling in Hair*

Howa Yeung, M.D.
Emory University
*Epidemiology of Acne and Barriers to Treatment in Transgender Persons*

Medical Dermatology Career Development Award

Crystal U. Aguh, M.D.
Johns Hopkins University
*Exploring Gene Expression Patterns & Biomarkers of Disease Severity in CCCA*

Albert Chiou, M.D. – Year 2
Stanford University
*Evaluating Collagen VII Corrected Skin Grafts for Recessive Dystrophic Epidermolysis Bullosa*

Benjamin H. Kaffenberger, M.D. – Year 3
Ohio State University
*Prospective Categorization and Outcomes Analysis of Cutaneous Drug Eruptions*

Shawn G. Kwatra, M.D. – Year 2
Johns Hopkins University
*Racial Differences in Biomarkers and Therapeutic Targets for Chronic Itch*

Cecilia Larocca, M.D. – Year 3
Brigham and Women's Hospital
*An Implantable Microdevice for Candidate in situ Drug Sensitivity Testing in Mycosis Fungoides*

Xiaolong Zhou, M.D., M.Sc. – Year 3
Northwestern University
*Characterization of the Skin Microbiome in Cutaneous T Cell Lymphoma*

Women's Health Career Development Award

Allison Billi, M.D., Ph.D.
University of Michigan
*VGLL3 Regulation in Female-Biased Autoimmune Diseases*
Women’s Health Career Development Award, Cont.

James Chen, Ph.D. – Year 2
Columbia University
Computational Modeling of Sexually Dimorphic Molecular Pathologies in Hair and Skin Development

Alicia Little, M.D., Ph.D. – Year 2
Yale University
Role of T Follicular Helper Cells (Tfh) in Chronic Cutaneous Lupus Erythematosus

Jillian M. Richmond, Ph.D. – Year 3
University of Massachusetts
Targeting the CXCR3 Chemokine Axis in Cutaneous Lupus

Research Career Development Award

Ryan P. Hobbs, Ph.D. – Year 3
Pennsylvania State University
Cellular and Molecular Roles for Autoimmune Regulator in Early Skin Tumorigenesis

Andrew Ji, M.D.
Stanford University
Cancer Cell-Extrinsic and Intrinsic Control of Tumor Progression and Intratumoral Heterogeneity

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

Bahram Razani, M.D., Ph.D. – Year 3
University of California, San Francisco
A20 Restricts Psoriatic Inflammation

Dermatopathology Research Career Development Award

Matthew S. Goldberg, M.D. – Year 3
Icahn School of Medicine at Mount Sinai
Melanoma Epigenetics and the Functional Role of MacroH2A in Melanoma Progression
Dermatopathology Research Career Development Award, Cont.

Randie Hee Kim, M.D., Ph.D. – Year 2
New York University
*Using Artificial Intelligence to Improve Prognosis of Intermediate Thickness Melanomas*

Ursula E. Lang, MD, PhD – Year 2
University of California, San Francisco
*Investigating the Role of Primary Cilia in Melanocytes and Melanomagenesis*

Pediatric Dermatology Career Development Award

Lisa M. Arkin, M.D.
University of Wisconsin
*Towards a Precision-based Treatment for Facial Vascular Stains*

Elena B. Hawryluk, M.D., Ph.D. – Year 3
Massachusetts General Hospital
*Atypical Pediatric Pigmented Lesions*

JiaDe Yu, M.D. – Year 2
Massachusetts General Hospital
*Prospective North American Pediatric Allergic Contact Dermatitis Registry*

Fellowships

Dermatologist Investigator Research Fellowship

Anna Eisenstein, M.D., Ph.D.
Yale University
*Understanding the Role of Dermal White Adipose Tissue in Skin Homeostasis*

Christoph T. Ellebrecht, M.D.
University of Pennsylvania
*Design and Characterization of Chimeric Antigen Receptors Targeting the γδ T Cell Receptor*

Byron C. Knowles, M.D., Ph.D.
University of California, San Francisco
*Genes Involved in Initiation and Progression of Cutaneous SCC*
Dermatologist Investigator Research Fellowship, Cont.

Leonid Shmuylovich, M.D., Ph.D.
Washington University
*Laser Stimulated Thermal Imaging of Nonmelanoma Skin Cancer*

Ting-Lin B. Yang, M.D., Ph.D.
Washington University
*Regulation of Type 2 Inflammation by Natural Killer (NK) Cells in Atopic Dermatitis*

Grants

Patient Directed Investigation Grant

Emily Cole, M.D., M.P.H.
Emory University
*Neuropathic Sensory Phenotyping in Pruritus: A Mechanistic Approach to Diagnosis and Treatment*

Research Grant

Manale El Kharbili, Ph.D.
University of Colorado, Denver
*The Role of Mutant p53 in Melanoma*

Gwennaelle C. Monnot, Ph.D.
Columbia University
*The Role of Bacterial Lipid Antigen Recognition by T Cells in Skin Inflammation and Homeostasis*

Women's Health Research Grant

Tara Jaleel, M.D.
Duke University
*Sex Hormones in Hidradenitis Suppurativa*

Diversity Research Supplement Awards

Zelma C. Chiesa-Fuxench, M.D.
University of Pennsylvania
*Genetics of Atopic Dermatitis in Hispanics*

Emily Y. Chu, M.D., Ph.D.
University of Pennsylvania
*Investigation of Diagnostic Markers for Spitzoid Melanocytic Neoplasms*
Diversity Research Supplement Awards, Cont.

**Donald A. Glass, II, M.D., Ph.D.**  
Southwestern Medical School University of Texas  
*Investigating the Roles of Midkine and Pleiotrophin in Keloid Pathogenesis*

**Tamia Harris-Tryon, M.D., Ph.D.**  
Southwestern Medical School University of Texas  
*Examining the Impact of Vitamin A Resistin Like Molecule Alpha and the Microbiota on Skin Immunity*

**Joslyn S. Kirby, M.D.**  
Pennsylvania State University  
*Cohort Study of Post-operative Complication Rates in People With & Without Hidradenitis Suppurativa*

**Eleni Linos, M.D., M.P.H., Dr.PH**  
Stanford University  
*Targeted Advertising for Cancer Prevention*

**Alina Markova, M.D.**  
Cornell University  
*Incidence and Characterization of Sweet Syndrome in Patients Receiving Novel Anticancer Therapies*

**Haley B. Naik, M.D.**  
University of California, San Francisco  
*Identifying Barriers to Accessing Healthcare and Treatment in Hidradenitis Suppurativa*

**Junko Takeshita, M.D., Ph.D.**  
University of Pennsylvania  
*Quality-of-Life Among Adults with Atopic Dermatitis: Evaluating Sociodemographic Differences*

**Lam C. Tsoi, Ph.D.**  
University of Michigan  
*Electronic Health Record System to Reveal Ethnic Difference in Diagnostic Accuracy*

**Lam C. Tsoi, Ph.D.**  
University of Michigan  
*Survey to Summarize Unique Molecular Pathophysiology Among Patients of Different Ethnicities*