

# PENN DERM

SKIN BIOLOGY & DISEASES RESOURCE-BASED CENTER

## INSIDE THIS ISSUE

**5** The Circle of Mentorship:  
Highlighting the Career of  
David J. Margolis, MD, PhD

**12** Dermatopharmaco-  
epidemiology: An  
Introduction to the  
Research of David J.  
Margolis, MD, PhD

**SUMMER  
2022**



# TABLE OF CONTENTS

- 3 Chairman's Message
- 5 The Circle of Mentorship:  
Highlighting the Career of  
David J. Margolis, MD, PhD
- 9 Back On PASH: The Return to In-person  
Penn Academy of Skin Health
- 12 Dermatopharmacoepidemiology:  
An Introduction to the Research of  
David J. Margolis, MD, PhD
- 14 Alumni Corner: Paul R. Gross, MD
- 15 Global Dermatology:  
Building Relationships in Haiti
- 17 The 46th Annual M.H. Samitz, MD,  
Lectureship in Cutaneous Medicine
- 18 Introducing Our New Endowed Chairs
- 20 Welcome New Faculty
- 21 The Annual SBDRC Symposium  
& Trainee Research Day
- 22 Highlights of Discovery
- 25 Notable Awards & Honors
- 27 Faculty Directory



Portrait of John H. Stokes, MD

## *Did You Know?*

**John H. Stokes, MD, the Chair of Penn's Dermatology Department from 1924 until 1945, was one of the founders of the Society for Investigative Dermatology (SID). On February 7, 1937, with seven other leading dermatologists at the time, Dr. Stokes hosted a meeting in his Philadelphia office. During this event, the creation of the Society and an affiliated Journal were proposed. In addition, Dr. Stokes was on the first Board of Directors for the SID which officially began later that year in June. The SID marked its 80th Annual Meeting in May.**



## ***Dear Friends and Colleagues,***

June marks the end of the academic year, a time in which we reflect on our accomplishments and plan for the next year. In this edition of the newsletter, I took a longer look back to highlight some of the progress we've made that may not be as obvious each year. The department has changed dramatically in composition, size and scope over the years. We are poised to meet the demands of the future while advancing knowledge and training the next generation. Our success continues to depend on the dedication and commitment of our faculty, staff, trainees, administrators and supporters in the community.

If there is one common theme among our three missions of clinical care, research and education, it has been expansion. Over the last ten years, we have hired 43 new faculty (15 men, 28 women, 5 underrepresented in medicine (UIM); all UIM were women), including 5 new tenure-track faculty members (2 women, 3 men). We effectively increased the size of our faculty from less than thirty full-time faculty to close to seventy. The percentage of women faculty increased from about 35% to well over 50%.

This expansion created leadership opportunities for many of our talented faculty. We formed six more Vice Chair positions, including Carmela Vittorio, MD, Vice Chair of Operations; Misha Rosenbach, MD, Vice Chair of Education; Joel Gelfand, MD, MSCE, Vice Chair of Clinical Research; Elizabeth Grice, PhD, Vice Chair of Basic Science Research; David Margolis, MD, PhD, Vice Chair of Faculty Affairs; Susan Taylor, MD, Vice Chair of Diversity, Equity, and Inclusion and Sara Samimi, MD, Vice Chair of Quality

and Safety. Notably, just last year, ten female faculty members were appointed to leadership positions, including co-directors of clinical programs and resident education. Thus, we have achieved a more equitable gender balance in the department.

More recently, we shifted our focus to improving racial diversity as well. This is more challenging as the field of dermatology lacks diversity as a whole. Fortunately, we have a diversity champion in Susan Taylor, MD, who leads a team supporting diversity, equity and inclusion. Under her leadership we have developed a Skin of Color Clinic, expanded didactics for residents, and created a Skin of Color Research Fellowship. This year we will host four Skin of Color Research Fellows and welcome our first resident on a new Diversity and Community Engagement Residency track. We will host 16 local high school students in our laboratories this summer for our Penn Academy for Skin Health program.

A few years ago, in a survey regarding mentoring across all Perelman School of Medicine departments, Dermatology received the highest scores. Our robust mentoring structure continues to serve as a model for other departments. All junior faculty receive two or three mentors. Our success lies in the desire of our faculty to set up those who follow them to succeed. We have a culture that supports the academic careers of our faculty and talented trainees in both the clinical and research realms. Dr. David Margolis, highlighted in this newsletter, exemplifies an exceptional mentor, and I encourage you to read his story.

Over the last decade, as our health system expanded, dermatology expanded from three to seven practice sites. The department has nearly tripled its patient volume, consults, and Mohs procedures. These activities have increased our total net patient revenue while also increasing the complexity of our clinical operations. In response, we created five additional medical director and medical associate director positions, now totaling seven. The additional practices maintain an academic feel with many of the faculty there seeing patients with complex medical problems such as cutaneous T cell lymphoma or autoimmune disease. The clinical growth increases patient access and supports our academic missions by providing additional training opportunities not only for dermatology residents but

for residents and fellows from other departments, such as Family Medicine, Internal Medicine, Otorhinolaryngology and the division of Plastic Surgery. For example, residents from the latter two specialties rotate through our Mohs Unit. We have been fortunate to recruit highly talented and dedicated clinicians at all our sites.

Our research mission and programs have also expanded and our research faculty play an outsized role nationally and internationally in advancing dermatology. For example, out of less than 800 total attendees at this past Society for Investigative Dermatology Meeting, forty were from Penn. Many of our faculty gave plenary talks, named lectureships, and received awards while our trainees gave oral presentations or presented posters. Similarly, at the American Academy of Dermatology, our faculty routinely give multiple talks and receive awards. Our faculty regularly lecture throughout the world to share their expertise and research findings, often organizing important scientific and academic meetings to discuss cutting edge advances and treatments. Penn Dermatology leads our specialty in multiple areas including wound-healing and regeneration, the cutaneous microbiome, epigenetics, melanoma, sarcoidosis, alopecia, and autoimmune disease to name just a few. Our annual research expenditures have increased nearly two-and-a-half times over 10 years and now total over 17 million dollars.

Another remarkable change has been the dramatic expansion of the number of graduate students doing their PhD thesis in our department. Currently, this number stands at 17! A decade ago we typically had one student every 3 or 4 years working toward their PhD. These students have changed the environment on the tenth floor of the Biomedical Research Building where our laboratories are situated. Not only do we go through more coffee, but one can feel the energy and creativity that they bring to dermatologic problems! They have organized a weekly seminar where they invite guests to speak about research and career opportunities. These students are attracted to and are a reflection of the exciting cutting edge research taking place in our laboratories. Dr. Elizabeth Grice in her role as Vice Chair of Basic Research has been instrumental in creating a positive and intellectually stimulating environment. The dedication of our faculty to training the next generation of scientists and physician-scientists cannot be overstated.

Over the last decade, our residency class has increased from 12 to over 22 residents. This expansion was enabled by increased support from the VA, the health system and our

endowment. Building on the didactic programs that Dr. Bill James led, Drs. Misha Rosenbach and Sara Samimi, as Program and Associate Program directors have taken us to the next level. They have unwavering support from talented administrators and many faculty who have leadership roles in education and training across multiple sites. We've highlighted the evolution and success of our training programs in previous newsletters (Fall 2019). We look forward to adapting to new ways of training and practicing in the future.

Endowed chairs not only play a critically important role in supporting our faculty, but they are a wonderful opportunity to honor faculty who have made a major impact on the department. We recently announced four new endowed chairs, nearly doubling the total, that will honor key figures in the history of the department. The Louis A. Duhring, MD, professorship to Christopher J. Miller, MD, the Bennett L. Johnson, Jr., MD, professorship to Susan Taylor, MD, the Gerald S. Lazarus, MD, professorship to David Margolis, MD, PhD, and the James J. Leyden, MD, professorship to Joel Gelfand, MD, MSCE. I am truly delighted to honor Drs. Duhring, Johnson, Lazarus and Leyden. Having trained with the latter three, I have benefited from their dedication to teaching, their insights and their commitment to the department. Furthermore, I cannot imagine more appropriate inaugural chair holders. Each one is a vital member of our department and represents its core values of excellent clinical care and academic success in research and education. Please join me in thanking those whose generosity and partnerships made these Professorships a reality.

The success of Penn Dermatology depends on the dedication of our brilliant faculty, our excellent administration and staff, the rich variety of patients and cases referred to us by the community, NIH grant funding, philanthropic support, state of the art research and clinical facilities, and a pipeline of superb students and trainees. We are fortunate to have strengths in all these areas and we greatly benefit from the engagement of our alumni. We offer the opportunity to pay it forward!

Please enjoy reading this issue of the Penn Derm Newsletter and I wish you all the best for a healthy, safe, and rejuvenating summer!

Sincerely,



George Cotsarelis, MD  
Milton B. Hartzell Professor and Chair

# THE CIRCLE OF MENTORSHIP: HIGHLIGHTING THE CAREER OF DAVID J. MARGOLIS, MD, PHD

Mentoring plays a crucial role in the development of our faculty members. The Dermatology Department has a history of mentorship that dates back to its founding. **Dr. Louis A. Duhring**, the first chair of the department, was influential in his successor's career, **Dr. Milton B. Hartzell**. Dr. Hartzell in turn was a mentor for the next chair, Dr. John H. Stokes. The tradition of investing in promising students and young faculty remains a hallmark of Penn Dermatology's training programs, and its success has been actualized in a multitude of ways.

This past year, the Department of Dermatology introduced the **Gerald S. Lazarus, MD**, Professorship in honor of the Department's sixth chair. Dr. Lazarus studied proteinases in the context of inflammatory diseases of the skin and in wound healing. He authored over 400 peer-reviewed publications and seven books. He played a critical role in advancing the Department's mission to "serve as a leading intellectual center for understanding and treating all aspects of skin and its diseases through excellence in patient care, education and research." Current chair, George Cotsarelis, MD, recalls his time as a medical student and resident under Dr. Lazarus: "Dr. Lazarus held students, residents and faculty to the highest possible standard. He inspired people in different ways. His complete and utter love for his patients, trainees, and faculty was clear through his behavior and actions."

Holding true to the power of mentorship, the inaugural holder of the Gerald S. Lazarus Professorship is **David J. Margolis, MD, PhD**. Like Dr. Lazarus, Dr. Margolis is a highly respected researcher, focusing his studies on a breadth of subjects, including wound healing mechanisms, antibiotic usage in dermatology, and, more recently, atopic dermatitis (AD), a condition that affects more than 3 million individuals per year in the United States. Dr. Margolis has a deep, longstanding connection with the University of Pennsylvania, having done a residency in internal medicine here. Initially, he intended to pursue a



*David J. Margolis, MD, PhD*

pulmonary intensive care fellowship upon completing this residency. However, Dr. Lazarus had a different idea for David, and convinced him to pursue dermatology instead. They maintained a strong relationship as Dr. Margolis pioneered a career in dermatoepidemiology and dermatopharmacoeidemiology.

Dr. Margolis' interactions with Dr. Lazarus early in his career were integral to his development as a physician and researcher. "Gerry [Lazarus] was very significant in my development as a physician – certainly as a dermatologist," explains Dr. Margolis. Dr. Margolis com-

pleted a “selective” during his internship, a program where interns were utilized in various inpatient services throughout the health system to provide extra help in understaffed departments. Dr. Lazarus was the attending dermatologist during Dr. Margolis’s selective, the first Dr. Margolis completed during his internship. Quickly, the two formed an intellectual connection. “I would check in with Gerry periodically, or he would check in with me during my medical residency. I think there was an assumption of his early on that I was interested in going into dermatology. I initially wasn’t... I didn’t leave medical school thinking I’d be a dermatologist.” Dr. Margolis notes that the dermatology program where he completed his medical degree wasn’t nearly what he had experienced here as an intern where he was first exposed to the full breadth and impact possible in the field.

“[Dr. Lazarus] called me into his office one day and asked me why I hadn’t applied for a derm residency. Actually, he called me in to request my application. He was right. In the end, my interest in pulmonary ICU probably would not have been a lifelong interest. Certainly, dermatology has allowed me to both practice dermatology and other things. Gerry and I have kept in touch the past forty years,” explains Dr. Margolis.

Also while in his dermatology residency, Dr. Margolis became acquainted with **Brian Strom, MD**, a pharmacoepidemiologist who created Penn’s Department of Biostatistics and Epidemiology. After joining the faculty as a dermatologist in 1988, Dr. Lazarus appointed Dr. Margolis as the director of the Cutaneous Ulcer Center. Dr. Margolis immediately held roles on national committees, such as the Wound Healing Society, and notes that many dermatologists weren’t well-versed in the discipline of epidemiology: “they were experts, but their expert opinions were really based on what they did, which wasn’t all that uncommon back in the ‘90s.” Through his collaboration with Dr. Strom, Dr. Margolis chose to pursue a Master of Science in Clinical Epidemiology (MSCE) and went on to complete his doctorate in Epidemiology. Again, Dr. Margolis notes that people were “kind to help guide my career and make things possible. Brian has had that role as well.”

Given his expertise in multiple disciplines, Dr. Margolis has led a multi-disciplinary, hybrid career: “I certainly am

a primary faculty member in dermatology, but because of the work I’ve done and the structure of the Center for Clinical Epidemiology and Biostatistics (CCEB), I’ve had opportunities to be a part of that, as well.” Dr. Margolis is one of the world’s leading experts in dermatopharmacoepidemiology, an area of research he is largely recognized for bringing into existence. In fact, when he began studying the intersections of dermatology and epidemiology, there were only a handful of dermatologists who were also “truly clinical scientists”. Of those, few were conducting research. “I’ve had the privilege of studying skin diseases in populations. One of the things that happened here, earlier than many places,

*“Dr. David Margolis stands out as my most influential mentor. To this day, I consider him the best teacher, advisor and role model I’ve ever had. He made such a lasting impression on me and... he has similarly touched and inspired so many of his mentees. He is patient, as meticulous with the details as he is with the big picture, completely approachable and honorable.” -Previous Mentee of Dr. Margolis*

was an understanding of the need to have large data, big data. Early on, one method we used here, which is now done everywhere, is to study large electronic medical records, databases, and administrative data.” He notes that in these large data sets when drugs are utilized in-office or prescribed to patients, a diagnosis is assigned to the drugs used, and then electronic records are created thereby making it possible to examine population level pharmaceutical usage.

In addition to his impressive scientific research, a hallmark of Dr. Margolis’ career is his work as an administrator within the University. In the Department alone, Dr. Margolis holds multiple significant leadership positions. He is presently the Vice Chair of Faculty Affairs, the director of the Skin Biology and Diseases Resource-based Center’s (SBDRC) Data Sciences and Informatics Core, co-Leader of the SBDRC’s Mentoring Sub-Core, one of the Principal Investigators of the department’s T32 training grant and directs the Department’s Division of Dermatoepidemiology.



Furthermore, he has worked as a member for various committees at the Perelman School of Medicine (PSOM). Dr. Margolis served on the Clinical Research Advisory Committee and spent eight years as the chair of the Conflict of Interest Standing Committee in the Provost's Office. Impressively, Dr. Margolis became chair of the PSOM Appointments and Promotions Committee in 2014 after serving as a member since 2010. His institutional acumen made indelible contributions to PSOM and he was named the Assistant Dean of Faculty Affairs in 2016, the same year he was named Vice Chair of Faculty Affairs for the Dermatology Department. During his tenure, he has had the opportunity to work with researchers across all specialties in PSOM, which has "certainly made my career more interesting," he states.

One accomplishment Dr. Margolis is particularly proud of in his role chairing the Appointments and Promotion Committee was assisting with the restructuring of the review process. This has included rewriting guidelines and becoming increasingly involved in outreach and education about the process: Dr. Margolis "constantly meet[s] with people about expectations for promotion and things that they can do to help assure their promotion." Through his efforts as well as the efforts of many others, the process has become more transparent and consistent within each department in PSOM. This has been done to support faculty in what is an immensely stressful point in their careers.

Dr. Margolis has paid that mentorship forward, providing guidance to many young researchers, some who remain on

faculty at Penn. A couple of examples include Penn Derm faculty members **Joel Gelfand, MD, MSCE**, and **Junko Takeshita, MD, PhD, MSCE**, who are considered eminent researchers in their respective fields of interest. His mentees are also pursuing successful careers at peer institutions, who have, in turn, begun to provide guidance to their own mentees. He is quite humble about his impact, citing the quality of his mentees as the reason for their success. Specifically, Dr. Margolis takes immense joy in watching the accomplishments of his mentees: "That's really only possible if the people that you're working with are really good. I certainly had opportunities to work with great people, which makes it really easy to look like you're a good mentor. So, you know, it's not me, it's really them. They're really good people that I'm working with. Part of my own successes have always been others' success."

*"Dr. Margolis is known for his scientific rigor, his analytical thinking, and ability to see multiple points of view. It's been an absolute privilege to watch him become a great institutional leader."*

**-George Cotsarelis, MD**

**Milton B. Hartzell Professor and Chair**

On June 8th of this year, Dr. Margolis was recognized for his thirty-fifth year as a faculty member in the Department of Dermatology. His longstanding commitment to furthering evidence-based research and leaving the door open for other researchers is present in all his endeavors. When asked about some of the greatest accomplishments over the course of his career, Dr. Margolis notes that "working with people and having them be successful is really nice. In some ways, it's nice to know you can be replaced. It is even more rewarding when you are replaced by someone that you have worked with and see that they are doing a better job." Certainly, his mentorship of dozens of high-profile dermatologists and dermatoepidemiologists indicates that his impact on Penn Dermatology is bound to be felt for many more than another thirty-five years.

# PARTNERING WITH PENN DERMATOLOGY

Penn directs the field of dermatology forward through personalized care and therapeutic advances. The Department of Dermatology works continuously to develop new techniques and therapies through research and to educate the next generations of outstanding physicians and researchers. To maximize our expertise and potential, improvements to our research infrastructure are required. Basic, translational, and clinical research activities are the hallmark of our clinical care and patient outcomes. With significant philanthropic investments, the Department will continue addressing pressing medical challenges in dermatologic care and will be instrumental in improving diagnoses, new surgical techniques, and quality of life. Lastly, offering the best multidisciplinary care for our patients remains a top priority.

## Department of Dermatology Fundraising Priorities

### Pilot Research Projects

#### *Honoring Leaders*

As the oldest dermatology department in the country, Penn Dermatology has been shaped by many great leaders whose legacies live on through their scientific breakthroughs. Established in 1874 by Dr. Louis Duhring, Penn Dermatology follows the traditions of many great 19th and 20th century physician-researchers who worked collaboratively and across disciplines, such as with the school of engineering. As a contributor to pilot research projects in cutaneous regeneration, Penn investigators gain the ability to impact patients worldwide with novel approaches to skin diseases, innovative treatments, and potential for cures.

### Fellowship Training Programs

#### *Supporting New Investigators*

Penn Dermatology's training programs attract the most outstanding candidates, developing leaders in dermatologic research, academic, and clinical dermatology. Funds directed toward fellowship training programs guarantee Penn Dermatology's long tradition of educating exceptional scientists and physicians.

### Endowed Professorships

#### *Rewarding Innovation*

Supporting the work of Penn's physician-scientists is one of the highest priorities. Endowed professorships in investigative dermatology provide Penn Dermatology with the ability to retain and attract exceptional faculty. Penn's preeminent dermatologists and researchers consistently receive recognition for excellence in patient care, research discoveries, and education. Endowed professorships are instrumental to the Department's faculty and their important work.

### Community Education Fund

#### *Inspiring the Next Generation*

Penn Dermatology is committed to serving youth in the Philadelphia community. Through programs like the Penn Academy for Skin Health (PASH), high school students are offered an invaluable STEM experience - working side-by-side with our nationally renowned experts in the laboratory, as well as participating in college workshops.

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Private philanthropy meets funding needs not covered by government grants or insurance reimbursements. Your donation enables us to break new ground and to improve upon existing therapies.

Philanthropic gifts of all sizes to support our research, educational, and clinical endeavors are greatly appreciated. Naming opportunities within the Department begin at the \$25,000-level. Additionally, any gift can be given outright, through a planned giving vehicle, or can be structured to be paid over a 5-year period.

For more information about partnering with Penn Dermatology, please contact **Caitlin Doelp**, Senior Director of Development at **(215) 746 - 2167** or **ccrowe@upenn.edu**.



# BACK ON PASH

## THE RETURN TO IN-PERSON PENN ACADEMY OF SKIN HEALTH



*A Selection of Photos from the PASH 2022 Cohort*

This spring, we were excited to return to an in-person Penn Academy for Skin Health (PASH), as the 2021 session was held virtually due to COVID. This year marked the sixth cohort for the program that aims to “provide an authentic educational experience which connects the research and clinical aspects of dermatology to students in Penn’s own backyard.” In a show of the increasing popularity and impact of the program, 58 local students applied, the largest pool in PASH’s history. Among the talented candidates, twelve students from ten different Philadelphia public high schools spent four Saturdays during March and April exploring the discipline of dermatology. In total, there were nine volunteers from the department’s research faculty, senior staff, and an additional twelve volunteer departmental trainees that dedicated their time to teaching the cohort. Dermatology remains second on the list of least diverse disciplines in medicine. Seventy-five percent of the cohort represented individuals who are considered underrepresented in medicine (URM), reiterating the Department’s commitment to diversifying the pipeline of skin researchers.

PASH was created in 2017 under the auspices of the Penn Skin Biology and Diseases Resource-based Center (SBDRRC) as a means of engaging the community and increasing awareness of the discipline of dermatology. **Jamie Shuda, EdD**, Director of Outreach, Education, and Research at the Perelman School of Medicine, was instrumental in bringing the program into fruition. Dr. Shuda has spent nearly two decades engaging students in the greater Philadelphia region in scientific instruction. The goal of these outreach programs is to engage students who do not have the resources at their schools for a strong science education. Part of this includes

utilizing scientific equipment that is often cost-prohibitive for public schools. Jin Liu, a member of this year’s cohort noted, “you get to use this high-tech equipment that high schoolers don’t usually have [access to] because they don’t have the money.”

From 2017 until 2021, fifty-seven students have completed the program. Of those, nearly seventy-four percent were female and forty-eight percent identify as Black or Latinx. Impressively, three PASH alumni are now pursuing their undergraduate degree at Penn. These numbers underscore the impact PASH has in empowering and providing opportunities to those traditionally underrepresented in medicine. Many medical students do not have exposure to dermatology until the end of their medical education and introducing high school students to medicine and skin research allows more individuals, especially those traditionally underserved, to network with cutaneous scientists and envision themselves working in this setting. Nabi Elliott, another student from this year’s group, comments that the PASH Program made her reconsider her future career plans: “[PASH] definitely piqued my interest a lot more because at first I [was] going to go into psychology, but now I’m going to go into dermatology.”

The first three weeks of the program covered topics in both basic and clinical dermatological research. Students were presented with normal skin and skin with diseases from both a macro and micro perspective. They learned how to apply stains to different specimens and utilize a microscope to examine them. Students attended a lecture on healthcare disparities and explored an introduction to bioethics.



*PASH students using specialized light and goggles to visualize the florescent proteins expressed in the skin of transgenic mouse models*

Furthermore, students were introduced to various skin-associated microbes, along with their functions in skin health, and learned research methodologies. They sampled microbes from their own skin, used PCR to amplify their DNA, and sent their samples to the Penn Next Generation Sequencing Core Facility for full sequencing. The following session, students utilized these samples to perform Basic Local Alignment Search Tool (BLAST) inquiries of the sequenced data from known bacterial colonies and electrophoresis. They were also taught about mouse mutants, transgenics, 2-photon microscopy and laser capture microdissections. A student, Serenity Martinez, said, “I really enjoy the experiments we’ve been doing because it builds on each week, and I’ve definitely learned so much through them.” The final week culminated with students utilizing their newfound knowledge to interact with patients, and practice being a physician diagnosing dermatological diseases through role-play exercises. This allowed students to see what it is like working as a dermatologist. Ellen White, an MD and PhD candidate working in the Grice Lab explains, “This year, we added a new component to the curriculum where the students got to be dermatologists for the day! We had them diagnose skin diseases based on clinical presentations, pictures, and pathology. The students were able to demonstrate everything they learned throughout the program, and there were definitely cheers when we revealed the answers and they realized they got many of the diagnoses correct!” At summer and alumni events, college preparation takes the form of interview practice, resume building exercises, and personal statement writing.

The reach of the PASH program extends beyond the confines of the four-week program. Participants are given the opportunity to apply for 6-week Outreach, Education

*I never knew waking up at 7 am to catch the 8:10 bus for 4 Saturdays would be the highlight of my day. For every Monday that rolled around, I couldn't help but wish it was Saturday again so I could attend my PASH workshop. Every Saturday was as blissful and exciting as the next. There was a whole new world of learning to be uncovered the minute I stepped foot on the elevator and up to the 10th floor. During the PASH program, I got the opportunity to learn and hear from many different outstanding dermatologists and skin experts [and] the privilege of using my knowledge that PASH has given me to educate my teachers and peers about skin health. Like, come on, what other 10th grader was given the privilege of looking at a basal cell carcinoma under a microscope.*

**-Harriet Banto,  
10th Grade PASH Participant**

and Research (OER) internships in various Penn labs. This is a paid internship opportunity and students are placed in labs in the Dermatology Department, Institute of Regenerative Medicine (IRM), Cell and Developmental Biology, and Penn Center for Musculoskeletal Disorders (PCMD). Eight of the twenty-five students participating in these internships are from this year's PASH group, with an additional six from last year's cohort partaking. They will also be given an opportunity to participate in the Department's Early Cutaneous Research Experience (ECuRE) program, which includes weekly seminars. These seminars cover an array of dermatological topics, including basic research, clinical care, technologies, outreach, and career opportunities.

High schooler Nejat Naser states that one of her favorite components of the program is “making all of these friends that are highly motivated academically.” One of the hallmarks of the PASH Program is the ability to network not only with Penn researchers, but also with peers. Students can return to campus for alumni events, where they can further interact with each other and learn about different concentrations within the medical and research fields. For example, in April there was a “Learning on a Limb” event. This is a research day hosted by PCMD, where PASH

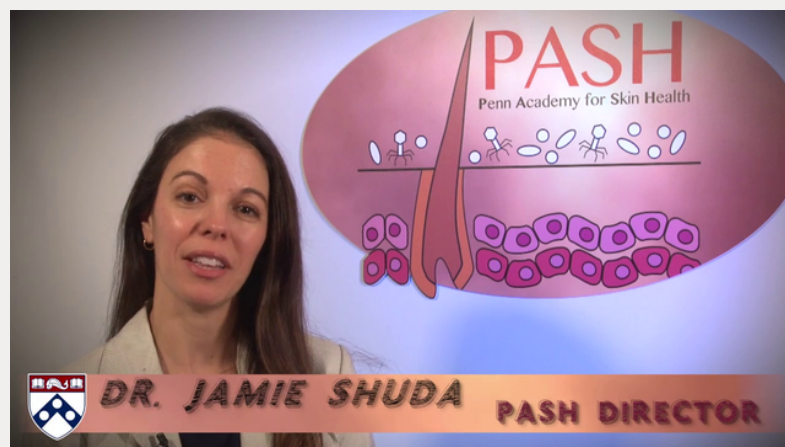


*Photos from PASH 2022*

alumni engaged with researchers and trainees who study muscle and bone. The students were also able to complete more lab exercises and learn about careers with the center members. There will be several PASH alumni working and learning in select PCMD labs this summer.

PASH is rewarding for more than just the students. Ellen White found fulfillment in designing and executing experiments for the program. Along with her co-coordinator Jordan Harris, they were responsible for planning all experiments conducted throughout the four weeks. According to Ellen, “this year was especially exciting because it was in person, which means we were able to plan for hands-on experiments like staining histology slides and using the department’s 2-photon microscope.” Jordan, also an MD and PhD candidate working in the Grice Lab, found that he loved the teaching and mentorship aspect of PASH. According to him, “it was so gratifying to teach the students hands-on, practical lab skills, ranging from pipetting to laser capture microscopy. Seeing their faces light up as they successfully isolated skin tissue with a laser on their own for the first time was extremely fulfilling.” Both coordinators are looking forward to continue working with PASH graduates this summer.

Support for PASH is provided by the Department of Dermatology, Penn SBDRRC’s NIH P30 Grant and the University of Pennsylvania School of Medicine. The expansion of the OER summer internship program is made possible through the generous donations from the Gottlieb family, the Ruth Gottlieb Research Opportunity Fund, and from individual donors. To give to Penn Dermatology’s Community Education fund, please visit this [website](#).



*Please click on the image above to watch a video highlighting some of our PASH graduates.*

## A special thank you to all who contributed to the success of 2022 PASH Programming

### Senior Staff and Faculty

**Jamie Shuda, EdD** (Director, SBDRRC Community Outreach Sub-core); **John Seykora, MD, PhD** (Director, SBDRRC Community Outreach Sub-core); **Elizabeth Grice, PhD** (Director, Penn SBDRRC); **Donna Brennan-Crispi, PhD**; **David Margolis, MD, PhD**; **Temitayo Ogunleye, MD**; **Steve Prouty, PhD**; **Pantelis Rompolas, PhD**; **Junko Takeshita, MD, MSCE**

### Departmental Trainees

**Heather Dingwall, PhD** (Student Coordinator); **Jordan Harris, MD/PhD Candidate** (Lab Co-Coordinator); **Ellen White, MD/PhD Candidate** (Lab Co-Coordinator); **Daniel Aldea, PhD**; **Ricky Brathwaite, PhD Candidate**; **Amy Campbell, PhD Candidate**; **Casey Lee, PhD Candidate**; **Gina Pacella, PhD Candidate**; **Anisa Ray, BS**; **Bakary Samasa, PhD Candidate**; **Emily Sheng**; **Johnathan Zhou, BA**

### Administrative Support

**Sarah Scheuring, BA**; **Quinn Willer, BA**

# DERMATOPHARMACOEPIDEMOLOGY: AN INTRODUCTION TO THE RESEARCH OF DAVID J. MARGOLIS, MD, PHD

**David J. Margolis, MD, PhD** nearly single-handedly started the field of dermatopharmacoepidemiology and he has mentored some of the world's leading dermatoepidemiologists. His training as an epidemiologist allowed him to study a multitude of topics throughout his career. "I've never focused on just one thing," explains Dr. Margolis. "I've been fortunate. [Chronic wounds, antibiotic use, atopic dermatitis, drug reactions, etc.] have come along, and I've been able to cultivate and enjoy them." Part of the vision early on in combining these intersecting disciplines was to "have a center of clinical epidemiology with the notion of not just studying public health but studying public health by understanding disease."

Dr. Margolis holds a long-term interest in the overuse of antibiotics. Dermatology is among the specialties with the highest use of antibiotics, and they are used to treat a multitude of dermatological conditions: "They were often used not just for their antimicrobial properties but because many dermatologists thought that they were immune modulators. Antibiotics were used to treat diseases for which we didn't have other good treatments. As therapies have gotten better their use has gone down," he explains.

A natural extension of this work, and one of his newest research projects, is with **John Barbieri, MD, MBA**, former chief resident and postdoctoral researcher at Penn Dermatology. Recently funded by the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), Drs. Margolis and Barbieri will be studying spironolactone and its efficacy as an acne treatment. This trial is an equivalence study comparing doxycycline and spironolactone for treating moderate acne in women. "We designed this study, partially after talking to both patients and providers, to ensure that it was designed to convincingly answer their questions." Spironolactone was discovered and introduced in the late 1950s as a diuretic. It was later determined that it modifies the skin's production of androgens, thus making it an effective treatment for acne, especially in women. "It's frequently not used in men

because it can cause feminization." In collaboration with Elizabeth Grice, PhD, the study will compare changes in the skin microbiome after the use of doxycycline and spironolactone.

*"The way that I've always thought was that you learn about a disease, you treat a disease, you learn about those patients, and then how that disease interacts with those patients. Then you can begin to think about it, study it, study the patients and study the disease and all sorts of things along those lines. Epidemiology was just the tool to do that. For me, that was the natural process, which is a little bit different, sometimes, than the laboratory investigator that may be understanding a pathway or a cell or a gene. I'm doing it in the opposite direction – I'm maybe the macro economist, as opposed to the micro economist."*  
**-Dr. Margolis**

Another topic Dr. Margolis has a longstanding interest in is atopic dermatitis (AD). About fifteen years ago, a company developed a new topical to treat atopic dermatitis. The company needed help designing a post-marketing epidemiologic study and recruited Dr. Margolis as a lead researcher. "At that time, there were very few people who were dermatologists who were able to plan long term post-marketing studies." As a result of this project, Dr. Margolis helped to create the Pediatric Eczema Elective Registry (PEER), a database of about 8,000 children with atopic dermatitis. The goal was to develop a resource that was going to be useful both for this project, but also could be applied to other research on AD. With this database, Dr. Margolis has studied the persistence and genetics of AD. "The studies I did looking at filaggrin and barrier dysfunction, and now immune function, are a consequence

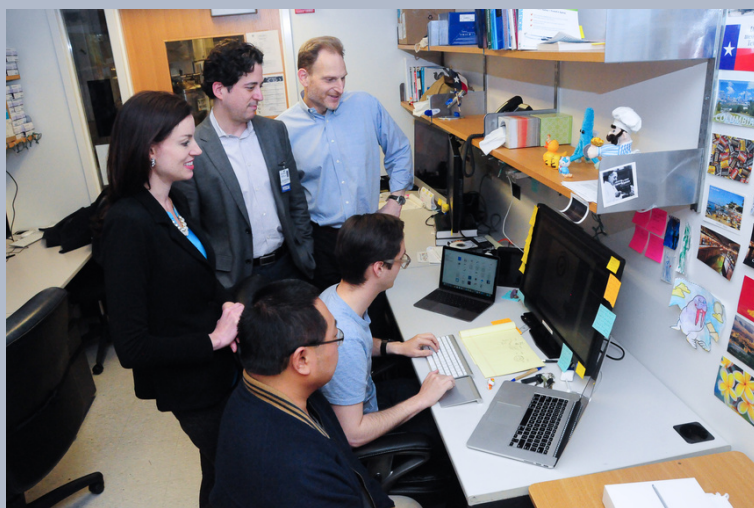
of having established that data resource.” The dataset has also been used to evaluate treatment disparities, effects on child development, and comorbid illnesses associated with AD.

Researchers in Scotland were the first to interrogate the filaggrin gene and demonstrate that individuals with filaggrin loss of function mutations are more likely to develop atopic dermatitis. “They were able to genotype the filaggrin gene where other people couldn’t. It’s a fairly complicated gene, and the techniques that were originally used weren’t able to properly type it,” explains Dr. Margolis. Dr. Margolis was able to learn from the Scottish collaborators and apply filaggrin genotyping more broadly in the PEER Database. Scotland is a predominantly white country, and by utilizing this additional database, Dr. Margolis was able to extend the analysis and look at the role of this gene in people of color. Initially, “there was this thought that filaggrin loss of function mutations were not, or rarely seen in those of African ancestry. Eventually, we were able to show that African Americans did have mutations, not as frequently as white people and usually different mutations, but they are present and are just as likely to be associated with atopic dermatitis as well as persistent atopic dermatitis. By using different genotyping techniques and the PEER cohort we were able to prove that variants were seen in African American children.”

During this project, Dr. Margolis and collaborators began investigating immune function, “hoping to determine if something different, like immune function, might be found in those of African ancestry as compared to those who are white.” His group focused on human leukocyte antigens (HLA), which are cell surface proteins responsible for regulation of the immune system and can be imperative for the initiation of the immune response. Dr. Margolis and his team showed that specific HLA class I components are associated with protection or susceptibility to AD. This research was further extended to analyze the association of killer Ig-like receptors (KIRs) and natural killer (NK) cells.

Over the course of his career, Dr. Margolis has seen strides in the development of technology that has allowed for dermatoeidemiological research to strengthen and expand. One advance that is easy to point to is the development of computational power. “When I started working in the realm of [administrative data sets], the computing power was really hard to find. You’d have to use mainframe computers. Now, you can evaluate large databases on your desktop. Databases,

which used to seem large, are comparatively now small. That’s a dramatic change,” shares Dr. Margolis. This extended computing power has further aided in conducting research on the epidemiology of atopic dermatitis. In addition, the amount of data that is collected is vastly greater than before. “Years ago, it was hard to find digitized medical records. Now everyone uses one. There’s a huge difference in the amount of information available and the technology used to acquire it.”



(Standing, Left to Right):

*Penn Skin Biology and Disease Resource-based Center Core C: Data Sciences & Informatics Core leaders Elizabeth Grice, PhD, Joel Gelfand, MD, MSCE, and David Margolis, MD, PhD*

(Seated, Left to Right):

*Qi Zheng, PhD, and Michael Loesche, MD, PhD*

Likewise, the understanding of the human genome and immune system has rapidly expanded. There are many diseases that are better defined through these studies “because we now can define the genetics of the disease and at the same time evaluate associations with other measurable parameters found in electronic records.” There have been advances in the precision of therapeutics, such as biological drugs, that were not available ten years ago. These developments have revolutionized the treatment of psoriasis. Like psoriasis, AD patients are now benefiting from the use of new innovative therapies. Also like psoriasis, patients with AD, through the use of these new agents, “are going to have their disease controlled to the point that they may not know they have the disease.”

To learn more about Dr. Margolis and his research, you can visit his faculty profile page [here](#).

# ALUMNI CORNER

*Where Penn Derm Alumni share their stories.*

## IN THE SPOTLIGHT

*"I was exposed throughout my career to some very brilliant, capable and dedicated teachers.*

*My advice for the starting residents would be if you can identify fairly early on a particular leaning, try to make yourself a mentee... if you can find someone whom you really admire and respect, get tight with them and maintain that."*



**Paul R. Gross, MD**

Director of Education, **William D. James, MD**, joins Penn Derm alumnus and longtime Department member **Paul R. Gross, MD**, to reflect on changes in Penn Dermatology's structure over the last 60 years and discuss his tips for Penn Derm residents. He completed his residency as the Chief Resident in 1968. Dr. Gross began his practice at Pennsylvania Hospital and served as section chief there for 35 years. He continued to see patients in solo private practice for another seventeen years. His honors include: Past President of The Philadelphia Dermatological Society, the Practitioner of the Year award from that society and winner of the Clark W. Finnerud Award from the Dermatology Foundation. For many years he served on the medical advisory board of the American Skin Association. You can view Dr. Gross' full interview [here](#).

*Want to share your story? Visit us at our new website [dermatology.upenn.edu/alumni/](http://dermatology.upenn.edu/alumni/), email us at [PennDermAlumni@uphs.upenn.edu](mailto:PennDermAlumni@uphs.upenn.edu), follow us on Instagram [@PennDerm](#), and join us on [Facebook](#). Check out our monthly Spotlight featuring fellow PennDerm alumni and current faculty research. We look forward to hearing from you.*

# GLOBAL DERMATOLOGY: BUILDING RELATIONSHIPS IN HAITI



*Dr. Rudolph Roth and Colleagues with Haitian primary school students.*

**Rudolf Roth, MD**, has been an integral member of the Penn Dermatology global health initiatives for over a decade and has focused his work predominantly in the Western Hemisphere. In 2010, a devastating earthquake hit Haiti about 25 kilometers southwest of the capital, overwhelming the most populous areas in the region. Haiti was, and continues to be, considered the poorest nation in the Western Hemisphere. As such, its infrastructure was particularly vulnerable, leading to the death of hundreds of thousands of Haitians as either a direct or indirect consequence of the event. An additional 3 million people were estimated to have been displaced. This catastrophic event turned the entire world's attention to the Caribbean country.

Dr. Roth's first trip to Haiti was in 2012, when he traveled with a colleague who was preparing to move to the country and subsequently joined recovery efforts. This was the "first year that [he] got involved in global work in Haiti. [Dr. Roth and his colleague] were looking for places where [they] could get involved and partner with an institution." Building partnerships with local providers and medical educators allows for a sustainable agreement that is mutually beneficial to all participants. One of the first places he visited was the epicenter of the 2010 earthquake, Léogâne. Here, Dr. Roth was able to develop a relationship with the local hospital, l'Hôpital Ste. Croix, and a partnership was

formed. Dr. Roth began by leading and coordinating state-side providers across multiple specialties with providers at the hospital in Léogâne. Once a year, Dr. Roth and colleagues from around the United States traveled to Haiti to work alongside community providers. While there, Dr. Roth worked as a dermatologist and taught local nurses how to identify and treat common skin diseases. In addition, he and other physicians would travel to different locations to provide physical exams for students in the poorest regions of Haiti. This work was significantly different than his normal endeavors in global health, which have generally involved creating partnerships with residency programs abroad.

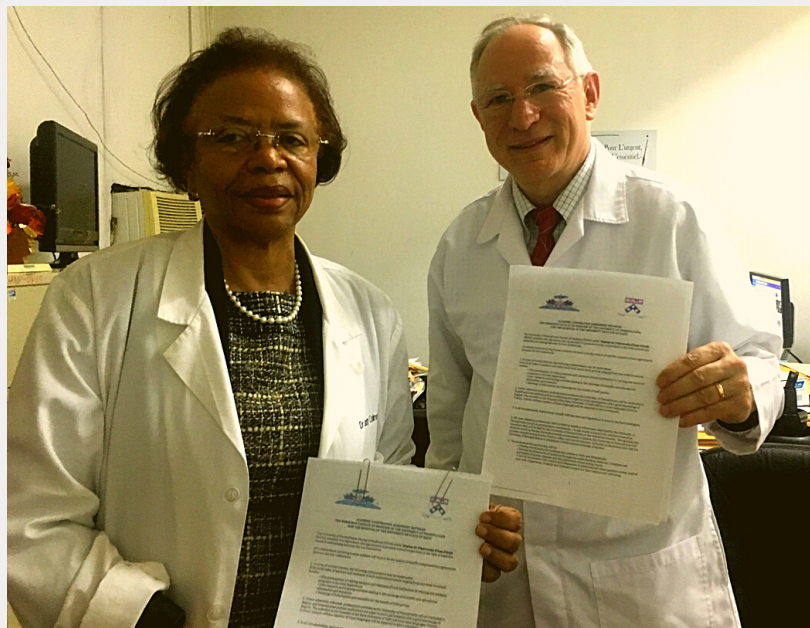
During these trips, Dr. Roth sought out the director of the only dermatology residency program in Haiti to explore different ways a meaningful relationship could be cultivated between Penn and the State Hospital of Haiti in Port-au-Prince (Hôpital de l'Université d'Etat d'Haiti). The State Hospital of Haiti is the only government run hospital in the country. With the assistance of the Global Health Division at Penn, an agreement was written in both English and French, the official language in Haiti alongside Haitian Creole. After negotiations were complicated by the political environment, both the director of Haitian State Hospital, Dr. Jessy Colimon Adrien, and the Penn Global Health Division formalized the agreement. This five-year partnership

primarily focused on educational exchanges: providers from Penn or the State Hospital would be able to travel to either site to learn and collaborate with providers there. This could include providers of any specialty.

As with all global health work, there are specific problems that arise in building cooperation between two countries. The main limitations to this partnership have been caused by structural factors. Particularly, violence and crime against outsiders has made it unsafe for international healthcare workers to travel into the country. Dr. Roth was scheduled to travel to Haiti in 2019, but due to ongoing political violence, the trip was cancelled. As with any healthcare setting, infrastructure limits the number of individuals that can be present in any space at a given time. Given the primary spoken language is Haitian Creole, it was necessary for a translator to be present during times of care. Both supplying translators and having enough space for patients, translators, physicians, and residents in a designated room meant the number of people learning and being treated was limited, to the point of hindrance. Perhaps most significantly, there is no health insurance system in Haiti, meaning every individual would have to pay out of pocket for any and all medical visits and procedures. “For example, let’s say somebody has an emergent problem. Before they get to the emergency room, the doctor will tell them what they need to purchase. If you need oxygen, you have to go buy your oxygen across the street,” explains Dr. Roth.

Given the widespread poverty, this creates insurmountable barriers to care for most Haitians. With the difference in relative costs and supply chains, attaining the most basic of treatments was difficult. “One of the things that we always would do when we would go on a trip is we would bring a lot of over-the-counter products: hydrocortisone, anti-fungal topicals, antibiotics. We would bring much more than we would need for the week that we were there. The rest would be donated to the hospital so that patients could continue getting medication.”

In an effort to extend the learning opportunities for residents, there was an additional exchange agreement made between Dr. Belinda Bijou, the dermatology residency program director at the State Hospital, and the Penn Department of Dermatology: Penn Dermatology would sponsor residents from Haiti to travel to Penn. This was set to commence in 2020, but due to the ongoing uncertainty with the COVID-19 Pandemic, the program has



*Dr. Rudolph Roth with Dr. Jessie Colimon Adrien with the signed Hôpital d l'Université d'Etat d'Haiti and the Penn Global Health Division partnership agreement.*

been put on hold. To continue the partnership throughout the pandemic, Dr. Roth and the Dermatology Residency Program Director, **Misha Rosenbach, MD**, were able to donate new international editions of the Andrews' Disease of the Skin: Clinical Dermatology textbooks. This is one of the hallmark dermatology texts used for training, and the newest edition features three Penn Dermatology physicians as main authors and editors, including **William D. James, MD**, **James R. Treat, MD**, and Dr. Rosenbach. The books were shipped to Haiti for use by residents.

As the world begins to create a new sense of normal, conversations about opening the exchange between institutions for residents and providers have slowly begun to resurface. While there are no concrete plans for travel in either direction, Dr. Roth says that his primary goal for his work in global health over the next year is “to get the programs we had instituted back on track.” While meaningful exchanges have continued throughout the last few years, in-person learning provides a unique and incomparable opportunity to all involved. Thanks to Dr. Roth’s tireless work nurturing the relationship between Penn Dermatology, the residency program in Haiti and the State Hospital, the benefits for all institutions is bound to continue for many years to come.

To support the work of our faculty and residents in Global Dermatology, and to help fund scholarships for Haitian residents to train at Penn, you can donate to the Global Dermatology Fund.



# THE 46TH ANNUAL M.H. SAMITZ, MD, LECTURESHIP IN CUTANEOUS MEDICINE

The forty-sixth Annual M.H. Samitz, MD, Lectureship in Cutaneous Medicine was held virtually on Thursday, November 11, 2021. Considering the ongoing uncertainty posed by COVID-19, we are thankful and fortunate to have been able to continue this legacy.

Morris H. Samitz was born and raised in Philadelphia and attended Temple University and Medical School. He trained at the Graduate School of Medicine at Johns Hopkins, New York University, and the University of Pennsylvania. During his tenure as a professor and clinician at Penn, he served as the Chairman of the Graduate School in Dermatology and Chief of Dermatology at Graduate Hospital. Significantly, Dr. Samitz was recognized with the Dermatology Foundation's Finnerud Award, which honors an "individual who has devoted extraordinary time and talent as a part-time teacher and clinician". He was a beloved member of the Department, and upon his retirement in 1975, students undertook a fundraising campaign to endow a lectureship in his honor. In addition to his contributions to the discipline as a researcher and teacher, Dr. Samitz was often recognized for his love of humanity – a quality he brought to all his ventures.

This year, we were honored to feature **Susan C. Taylor, MD, FAAD**, and her presentation "Diversity and Why it is Important in Dermatology: Barriers to Achieving Racial, Ethnic and Socioeconomic Diversity." Dr. Taylor is the Vice Chair of Diversity, Equity, and Inclusion at the Department of Dermatology at the Perelman School of Medicine of the University of Pennsylvania and the Director of the Skin of



*Above left: M.H. Samitz, MD  
Above right: Susan C. Taylor, MD, FAAD*

Color Research Fellowship. She is the inaugural holder of the Bennett L. Johnson, Jr., MD, Professorship, and is internationally renowned for her work advancing dermatological knowledge for practitioners treating patients of color.

Dr. Taylor is an outstanding clinician, educator, and researcher. Like Dr. Samitz, Dr. Taylor is heavily involved with the continued development of the Department's educational mission and expanding clinical services for the public. She is credited with developing the first professional association, the Skin of Color Society, dedicated to "promoting awareness of, and excellence within, skin of color dermatology." Her research centers on the epidemiology and presentation of cutaneous disease in skin of color. Dr. Taylor has served as Vice President for the American Academy of Dermatology, where she was integral to developing seventy 20-minute videos broadly educating practitioners on treating skin of color. She is a valued mentor to junior faculty, residents, and Penn students and was awarded the Mentor of the Year Award by the Women's Dermatologic Society in 2020.

We are immensely grateful to the Samitz and Cohen families for their resolute support of the M. H. Samitz Lecture and their continued tremendous dedication to our Department.

# CONGRATULATIONS TO OUR NEWLY APPOINTED ENDOWED CHAIRS

## Louis A. Duhring, MD, Professorship

**Christopher J. Miller, MD**, is the inaugural recipient of the Louis A. Duhring, MD, Professorship. Dr. Miller joined the department in 2005 and resurrected our Dermatologic Mohs surgery program. Conventional surgical approaches to the treatment of early stage melanoma result in a 10-20% rate of recurrence. Dr. Miller pioneered the use of Mohs for melanoma combined with immunohistochemical staining to achieve recurrence rates of less than 1%. His team has treated approximately 2000 patients with this approach. His work was first published in 2015 in the Journal of the American Academy of Dermatology and is changing the landscape of early melanoma treatment. Since then, Dr. Miller has continued to publish about Mohs micrographic surgery procedures, patient quality of life post-surgery, and cross-sectional studies. His research has redefined the treatment of melanomas of the head, neck, genitals and extremities. Dr. Miller directs the Penn Dermatology Oncology Center, which encompasses four clinics that provide specialized care for patients with skin cancer.



**Christopher J. Miller, MD**

## Bernett L. Johnson Jr., MD, Professorship

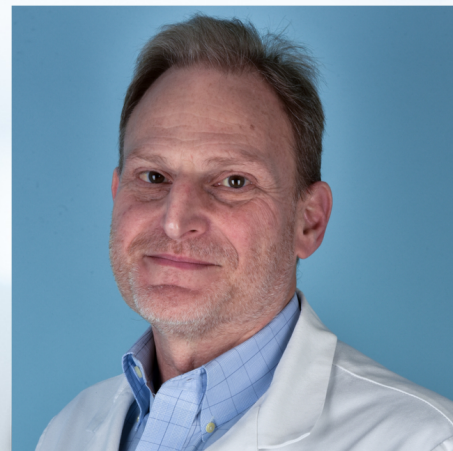
**Susan C. Taylor, MD**, is the inaugural recipient of the Bernett L. Johnson Jr., MD, Professorship. Dr. Taylor also serves as the inaugural Vice Chair of Diversity, Equity, and Inclusion at Penn Dermatology, and was the first woman of color to hold an endowed chair in our department. She is a trailblazer and pioneer in the study of skin of color and has long been an outspoken advocate for diversity within the field of medicine. In her commitment to understanding ailments that disproportionately impact minorities, Dr. Taylor founded the Skin of Color Society in 2004 to create a broad coalition of researchers prioritizing research and care in racial minorities. In the last decade, Dr. Taylor has published research covering a breadth of topics as it relates to skin of color, including malignant melanoma in African Americans and clinical considerations in seborrheic dermatitis for individuals with skin of color. She has been honored for her contributions to the field with awards from renowned organizations such as the American Academy of Dermatology, Women's Dermatologic Society, and International Society of Dermatology.



**Susan C. Taylor, MD**

# Gerald S. Lazarus, MD, Professorship

**David J. Margolis, MD, PhD**, is the inaugural recipient of the Gerald S. Lazarus, MD, Professorship. Dr. Margolis is highly integrated into the international scientific community. The quality, originality, and impact of his scientific work are demonstrated by his authoring of more than 300 high-impact scientific publications. He has received numerous institutional, national, and international honors recognizing his leadership in his field. Dr. Margolis' expertise lies in epidemiological study design, comparative effectiveness design, and clinical trials. Internationally recognized as the leading dermatopharmacoepidemiologist in the world, Dr. Margolis' research, focused on the healing of chronic wounds, has changed the paradigm of clinical wound care. Dr. Margolis has been recognized for his remarkable aptitude as a teacher and mentor at Penn and has received the Leonard Berwick Memorial Teaching Award and the Dean's Award for Excellence in Basic Science Teaching.



**David J. Margolis, MD, PhD**

# James J. Leyden, MD, Professorship

**Joel M. Gelfand, MD, MSCE**, is the inaugural recipient of the James J. Leyden Professorship. Dr. Gelfand has published over 250 scientific publications since joining the Department of Dermatology. He is a renowned international leader in epidemiological and patient-oriented research and is a highly sought after keynote speaker domestically and abroad. At a time when research funding is challenging to receive, the NIH, Patient-Centered Outcomes Research Institute, public and private foundations have awarded Dr. Gelfand over \$25 million in funding. Dr. Gelfand has extensive experience in team science and has established collaborations with investigators in translational medicine, nuclear medicine, neurology, psychiatry, oncology, gastroenterology, cardiology, rheumatology, epidemiology, and biostatistics. In addition, Dr. Gelfand actively mentors junior faculty at PSOM, many of whom have received career development and K-awards.



**Joel M. Gelfand, MD, MSCE**

These endowed chairs are made possible by the **Power of Philanthropy**. We are immensely grateful to all who have contributed to the funds that sustain these prestigious professorships. Supporting the work of Penn's faculty is one of our highest priorities. Endowed professorships provide Penn Dermatology with the ability to retain and attract exceptional faculty and are instrumental to the Department's success. To contribute to these funds, please click on the names of the professorships or please contact **Caitlin Doelp**, Senior Director of Development, at (215) 746-2167 or [ccrowe@upenn.edu](mailto:ccrowe@upenn.edu) to learn more about partnering with Penn Dermatology.

# Welcome New Faculty!



## Christoph Ellebrecht, MD

Penn Dermatology is proud to welcome Christoph Ellebrecht, MD, to our faculty. Dr. Ellebrecht is a graduate of the Medizinische Hochschule Lübeck of the University Lübeck in Germany. He scored highest out of all his medical school classmates on the German Federal State Examination, ranking second out of nearly 6,000 in the whole country. After graduating from medical school, Dr. Ellebrecht worked as a Research Fellow in our department for five years. He then completed his internal medicine residency at Temple University Hospital and his dermatology residency at Penn. In 2020, the Dermatology Foundation awarded Dr. Ellebrecht a Dermatology Investigator Research Fellowship and in 2021 the National Psoriasis Foundation acknowledged him with the Recognition Award. The overarching goal of Dr. Ellebrecht's research program is to understand cellular and molecular mechanisms of fate determination in human T cells and engineer novel cellular immunotherapies for the treatment of human disease.

## PENN CUTANEOUS PATHOLOGY SERVICES

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# THE ANNUAL SBDRC SYMPOSIUM & TRAINEE RESEARCH DAY

Penn Dermatology's Skin Biology and Diseases Resource Center's (SBDRC) Annual Scientific Symposium and Trainee Retreat was held in-person this year on March 10, 2022. This was the first in-person combined SBDRC Symposium and T32 Trainee Symposium. The virtual event in 2021 marked the initial time these two previously separate symposium events were held in tandem. To facilitate maximum participation, a hybrid model was used to broadcast the talks and the keynote lecture for anyone unable to attend the in-person gathering. The symposium showcased investigators from the SBDRC and their novel research accomplishments. The selected speakers highlighted new members of the SBDRC and previous winners of Pilot & Feasibility Awards. In addition, participants attended a keynote presentation, were able to network with peers, and attend trainee poster and oral presentation sessions.

We were thrilled to welcome Kathleen J. Green, PhD, to present “Functional diversity of desmogleins: from skin development to disease.” Dr. Green is a Professor of Pathology (Experimental Pathology) and Dermatology at the Northwestern University Feinberg School of Medicine. She also holds the endowed Joseph L. Mayberry, Sr., Professorship of Pathology and Toxicology; is the Associate Director of Basic Sciences for the Robert H. Lurie Comprehensive Cancer Center; and directs the Skin Tissue Engineering and Morphology Core of Northwestern's own SBDRC.

A self-proclaimed researcher in “cell architecture”, Dr. Green is a leader in the field of epithelial cell biology. She specifically focuses on how cells stick together to create mechanical strength in tissues and mechanisms of signal regulation for development and differentiation. The ultimate aim of her laboratory's research is to “gain fundamental insights into the importance of complex



**Kathleen J. Green, PhD**

cell-cell adhesion in the evolution of multicellularity.” Furthermore, her laboratory was the first to demonstrate how desmosomes, intercellular adhesive organelles, act as signaling scaffolds that direct cell behavior. By understanding these mechanisms, Dr. Green hopes to elucidate information about treating cancer, a disease in which the lack of control of desmosomes contributes to invasion and metastasis.

An afternoon exploring trainee poster sessions and talks followed the keynote address. A wide array of cutaneous research projects were presented that covered basic, translational, and clinical research. We were thrilled to meet in person once again, thanks to the power of science, and bring together skin investigators and trainees. We thank Dr. Green for her time and congratulate all our trainees for their hard work!

To learn more about Dr. Green's work, you can visit her faculty profile [here](#) or her laboratory's website [here](#).

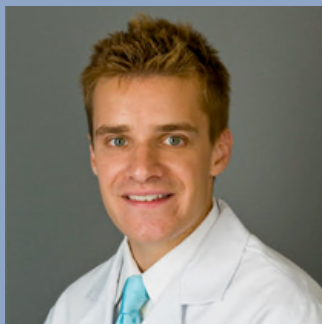
# HIGHLIGHTS OF DISCOVERY

Adapted from Penn Medicine Communications



## Eczema Signs, Symptoms & Types

**Bruce Brod, MD**, was featured as an expert in a *Health Central* article about eczema. The article provides information on classic signs and symptoms of eczema. It also analyzes the different types and their severities.



## Researchers Find New Potential Targets for Skin-cancer Treatment

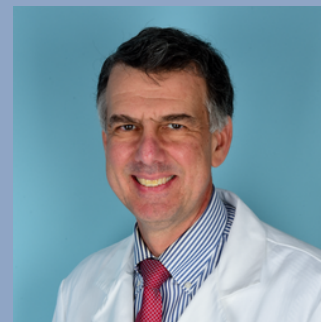
**Brian Capell, MD, PhD**, identified a potential target in the treatment in skin cancer. The MLL4 gene had already been identified as one of the commonly mutated genes across multiple types of cancer, and Dr. Capell was able to determine a role that the gene plays in skin cancer proliferation. Using knock-out mice, his laboratory demonstrated that ferroptosis, iron dependent programmed cell death, is inhibited. Ferroptosis promoting medications may provide future avenues for treating skin cancers and other skin disorders characterized by aberrant skin turnover.



## Psoriasis: Treating to Target, How Do You Get There?

**Zelma Chiesa Fuxench, MD, MSCE**, presented at the Society of Dermatology Physician Assistants (SDPA) 19th annual autumn meeting to discuss the prevalence of

research on “treat-to-target” protocols in the United States versus other countries. She emphasized the interplay of comorbidities, insurance, and a patient’s prior attempts at treatment in influencing a treatment plan built by both provider and patient. In addition, she highlighted that “achieving complete or almost complete skin clearance is a very realistic outcome for our patients with psoriasis.”



## What Is Alopecia?

Following events at the Oscars, **George Cotsarelis, MD**, Chair of the Dermatology Department, was featured in a New York Times article and a 6ABC interview explaining alopecia areata. Alopecia areata is a common form of autoimmune alopecia, and patients with it are more likely to have comorbidities such as allergies, diabetes, asthma and thyroid disease. Dr. Cotsarelis also explained the different methods of treatment.



## Psoriasis and COVID-19 Vaccine Boosters

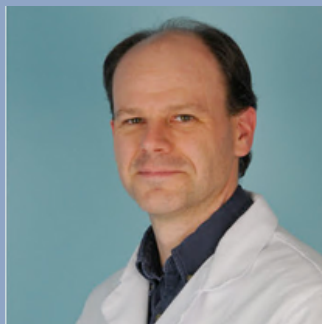
**Joel Gelfand, MD**, Vice Chair of Clinical Research, spoke to *Everyday Health* about COVID-19 mRNA vaccines in patients with psoriasis. Individuals with psoriasis may be prescribed immunosuppressive drugs and may benefit from an additional dose of the vaccine. Dr. Gelfand stressed the importance of consulting with your physician before changing any drug regimen.



**Here's Why People Swear by Azelaic Acid for Acne, Rosacea, and Redness**

**Temitayo Ogunleye, MD,** was featured in an article in *Self* outlining the role of azelaic acid

in treating inflammatory skin conditions such as acne and rosacea. According to research, even over-the-counter strengths of the dicarboxylic acid (around 10%) can be effective in improving acne in mild to moderate cases. While it is a safe medication that can be used alongside many others, Dr. Ogunleye emphasized the importance of talking with your physician before beginning any new medication.



**Drugs Designed for Prostate Cancer Show Promise for Treating Melanoma in Men**

**Todd Ridky, MD, PhD,** and his lab study sex steroids in the pathobiology of melanoma and other cancers.

Recently, they determined that a nonclassical androgen receptor, ZIP9, is activated by testosterone, and demonstrated that the response of melanoma cells to testosterone was completely dependent on the presence of ZIP9. This is the first study to show a novel mechanistic link between male androgens and melanoma pathobiology.



**How Climate Change Can Harm Your Skin**

**Misha Rosenbach, MD,** Vice Chair of Education, was quoted in an ABC News Article examining climate change and its impact

on skin health. In it, Dr. Rosenbach, who co-

founded the American Academy of Dermatology climate change and environmental issues expert resource group, touches upon wildfires, warmer weather, and increased incidents of diseases such as psoriasis.



**Eczema Afflicts Millions, Serendipitously, These Penn Scientists Found a Possible New Way to Treat the Stubborn Disease**

**John T. Seykora, MD,**

**PhD,** was acknowledged in the *Philadelphia Inquirer* for a joint research endeavor with Penn Dental Medicine studying the role of inflammation. This research showed that fibroblasts may regulate inflammatory reactions in the skin. With this new information, additional therapeutic approaches for treating atopic dermatitis may be generated.



**Those with Facial Scars Rate Their Own Appearance More Critically Than Surgeons and Strangers**

**Joseph F. Sobanko, MD,** Director of Dermatologic Surgery Education, published in *Facial Plastic Surgery & Aesthetic Medicine* about the difference in perception of facial scars between patients versus surgeons or independent observers. Dr. Sobanko emphasized the importance of talking about expectations with patients and communicating that their perception of their scar will be more significant than others. Dr. Sobanko is presently studying how connecting individuals about to undergo Mohs surgery with previous patients impacts their surgery experience.



### To Eliminate Bias, Some Seek Out Doctors of Their Own Race or Ethnicity

**Junko Takeshita, MD, PhD, MSCE,** and her research were men-

tioned in the Washington Post, discussing the impact of race and gender concordant and discordant visits on patient experience ratings. The Post's article focuses on patient preferences when choosing a healthcare provider. Dr. Takeshita's research was originally published in *JAMA*.



### The Hair-Loss- Treatment Market Is Full of Hollow Promises

**Susan C. Taylor, MD,** Vice Chair of Diversity, Equity, and Inclusion,

was featured in an *Atlantic* article examining the reported uptick in hair loss since the pandemic commenced. Dr. Taylor spoke about central centrifugal cicatricial alopecia (CCCA) and the lack of knowledge about this disease in the dermatology profession. CCCA is found almost exclusively in Black women.

### Visible Light, UVAI Protection Important for Those With Darker Skin Types

**Susan C. Taylor, MD,** was featured on Heallo for a poster she presented at the Maui Derm annual meeting. According to Dr. Taylor, people with darker skin types are less likely to burn, but emerging research shows that visible light may "exacerbate or precipitate pigmentary disorders like melasma or post-inflammatory hyperpigmentation." Most broad-spectrum sunscreens protect skin from UVB and UVAII light, but sunscreens that contain iron oxides or antioxidants provide protection from UVAI and visible light.

### What Is Alopecia? Philadelphia Doctor Explains Jada Pinkett Smith's Condition That Causes Hair Loss

**Susan C. Taylor, MD,** was interviewed on Philadelphia's CBS News about alopecia following the Oscars. Alopecia affects nearly 7 million in the United States and can affect any person, male or female, at any stage in life. Dr. Taylor applauds Jada Pinkett Smith's openness about her diagnosis.



### UV Light From Nail Salon Dryers May Provoke Lupus Lesions

**Victoria Werth, MD,** Chief of the Division of Dermatology at

Philadelphia's Corporal

Michael J. Crescenz VA Medical Center, published in *Rheumatology* about the role ultraviolet nail salon dryers play in causing lupus lesions on the skin. The paper highlighted two patient case studies, where new periungual cutaneous lupus erythematosus lesions developed after utilizing nail salon drying lamps to set gel manicures.



**Penn Medicine**  
**Dermatology**



# Notable Faculty Awards & Honors

Awards from November 2021 - April 2022



**EMILY L. BAUMRIN, MD**

Awarded Dermatology Foundation Career Development Award for Project "Chronic graft-versus-host disease: development of a skin-specific patient-reported outcome measure"



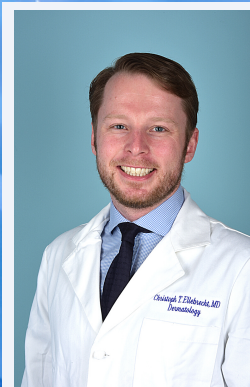
**BRUCE A. BROD, MD**

- Awarded a 2022 Presidential Citation from the American Academy of Dermatology (AAD)
- Elected to the American Academy of Dermatology Association (AADA) Board of Directors with term beginning March 2023



**KATHERINE K. BROWN, MD**

Elected to the American Contact Dermatitis Society (ACDS) Board of Directors for a 3-year term



**CHRISTOPH T. ELLEBRECHT, MD**

Awarded Dermatology Foundation Continuing Career Development Award for Project "Development of targeted immunotherapy for and transcriptional profiling of human  $\gamma\delta$  T cell diseases"



**JOEL M. GELFAND, MD, MSCE**

Received the Founder's Award from the American Dermatoepidemiology Network at the Society of Investigative Dermatology for advancing care and mentorship of junior dermato-epidemiologists



**ANNA E. KERSH, MD, PHD**

Awarded Dermatology Foundation Continuing Career Development Award for Project "Understanding the Molecular Pathogenesis of Lichen Planus and Lichenoid Dermatoses"



**CARRIE L. KOVARIK, MD**

Awarded a 2022 Presidential Citation from the AAD in honor of her work as Chair of the Council on Communications, notably the Skin Serious Campaign and @AAD Social Media Program



**AMANDA T. MOON, MD**

Promoted to Clinical Associate Professor of Dermatology and Pediatrics

# Notable Faculty Awards & Honors

Continued



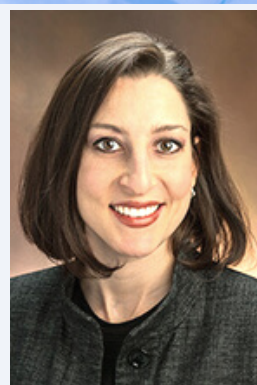
**ALLEN SI WON  
OAK, MD**

Awarded Dermatology Foundation New Investigator Research Fellowship for Project "Effects of occlusion on hair follicle regeneration in wounds: a biomechanical evaluation"



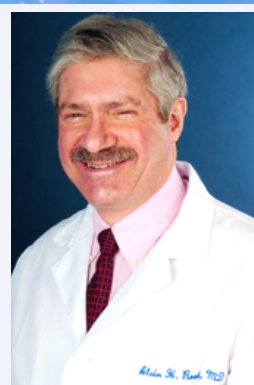
**TEMITAYO A.  
OGUNLEYE, MD**

Selected for the Dean's Award For Excellence for Clinical Teaching at an Affiliated Hospital



**MARISSA J.  
PERMAN, MD**

Awarded an Epidermolysis Bullosa Research Partnership (EBRP) Research Grant to continue Epidermolysis Bullosa research through the EB Clinical Research Consortium



**ALAIN H.  
ROOK, MD**

Named the 2022 Herschel Zackheim Lecturer at the 2022 US Cutaneous Lymphoma Consortium Annual Workshop



**SATISH  
SATI, PhD**

Awarded Dermatology Foundation Career Development Award for Project "Investigating neuroimmune interactions to promote scarless skin regeneration"



**SUSAN C.  
TAYLOR, MD**

- Received the 2022 Christian R. and Mary F. Lindback Foundation Award for Distinguished Teaching
- Inaugural John Kenney Jr., MD Lifetime Achievement Award and Lectureship Honoree from the American Academy of Dermatology (AAD)



**AAYUSHI  
UBEROI, PhD**

Awarded Dermatology Foundation Career Development Award for Project "Skin microbiome-Aryl Hydrocarbon Receptor crosstalk at skin interface regulates barrier function"



**VICTORIA P.  
WERTH, MD**

Presented with a Lifetime Achievement Award from the Dermatology Foundation

# FACULTY DIRECTORY 2022



**George Cotsarelis, MD**  
Chairman  
Hair and Scalp Disorders

(215) 662-2737



**Joel Gelfand, MD, MSCE**  
Vice Chair, Clinical Research  
Acne, Eczema, and Psoriasis

(215) 662-2737



**Elizabeth Grice, PhD**  
Vice Chair, Basic Science  
Research  
Wound Healing, Genomics,  
Microbiome, and Innate  
Immunity



**David Margolis, MD, PhD**  
Vice Chair, Faculty Affairs  
Chronic Wounds and Leg  
Ulcers

(215) 662-2737



**Misha Rosenbach, MD**  
Vice Chair, Education  
Various Dermatological  
Specialties

(215) 662-2737



**Sarah Samimi, MD**  
Vice Chair, Quality and  
Safety  
Various Dermatological  
Specialties

(215) 662-2737



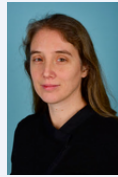
**Susan Taylor, MD**  
Vice Chair, Diversity, Equity  
& Inclusion  
Cosmetic & Skin of Color  
Dermatology

(215) 662-2737



**Carmela Vittorio, MD**  
Vice Chair, Operations  
General Dermatology, Skin  
Cancer & Other Dermatological  
Specialties

(215) 662-2737



**Elena Bernardis, PhD**  
Computer Vision and  
Computational Dermatology



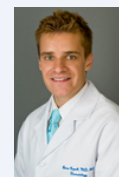
**Bruce Brod, MD**  
Contact Dermatitis and  
Occupational Dermatology

(215) 662-2737



**Katherine Brown, MD**  
General Dermatology

(610) 902-2400



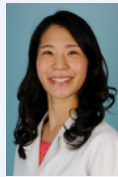
**Brian Capell, MD, PhD**  
Epigenetics and Health  
Imbalances of the Skin

(215) 662-2737



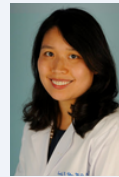
**Zelma Chiesa-Fuxench, MD,  
MSCE**  
Inflammatory Skin Disorders

(215) 662-2737



**Juliana Choi, MD, PhD**  
General Dermatology, Acne,  
Rosacea, and Hyperhidrosis

(215) 662-2737



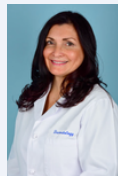
**Emily Chu, MD, PhD**  
Genodermatosis  
Dermatopathology, and  
Cutaneous Oncology

(215) 662-2737



**Esther Chung MD**  
Various Dermatological  
Specialties

(215) 662-2737



**Magaly Del Monaco, DO**  
General and Cosmetic  
Dermatology

(215) 504-7700



**Cherie Ditre, MD**  
Cosmetic Dermatology

(610) 902- 2400



**Rosalie Elenitsas, MD**  
Pigmented Lesions and  
Melanoma

(610) 902-2400



**Christoph Ellebrecht, MD**  
Autoimmune and Blistering  
Tissue Diseases, General  
Dermatology

(215) 898-2633



**Jeremy Etkorn, MD**  
Micrographic Surgery,  
Reconstructive Surgery, and  
Cutaneous Oncology

(215) 504-7700



**Amy Forrestel, MD**  
Complex Medical Dermatology,  
Inpatient Dermatology, and  
Global Health Dermatology

(215) 662-2737



**Cerrene Giordano, MD**  
Various Dermatological  
Specialties

(215) 662-2737



**Analisa Halpern, MD**  
Various Dermatological  
Specialties

(215) 662-2737



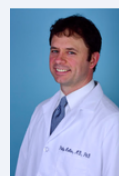
**Paul Haun, MD, MS**  
Cutaneous T-Cell Lymphoma  
and Dermatopathology

(215) 662-2737



**H. William Higgins, II, MD,  
MBE**  
Various Dermatological  
Specialties

(215) 360-0909



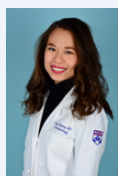
**Phillip Holler, MD, PhD**  
Medical Dermatology and  
Disease of the Scalp

(215) 504-7700



**Claudia Hossain, MD**  
General Dermatology,  
Cosmetic Dermatology,  
Oncodermatology

(215) 504-7700



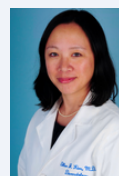
**Jing Huang, MD**  
General Dermatology

(215) 829-3100



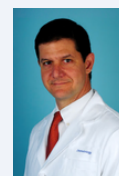
**William James, MD**  
Acne, Eczema, and Psoriasis

(215) 662-2737



**Ellen Kim, MD**  
Various Dermatological  
Specialties

(215) 662-2737



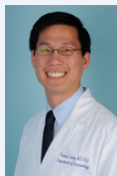
**Joseph Kist, MD**  
General Dermatology

(215) 662-2737

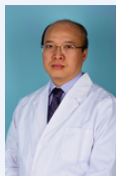
# FACULTY DIRECTORY 2022 (CONTINUED)



**Carrie Kovarik, MD**  
Various Dermatological  
Specialties  
(215) 662-2737



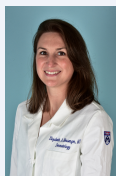
**Thomas Leung, MD, PhD**  
Various Dermatological  
Specialties  
(215) 662-2737



**Ming-Lin Liu, MD, PhD**  
Autoimmune Skin  
Inflammation and Diseases



**Stacy McMurray, MD**  
Micrographic Surgery,  
Reconstructive Surgery, and  
Skin Cancer  
(215) 360-0909



**Elizabeth Messenger, MD**  
Various Dermatological  
Specialties  
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**Robert Micheletti, MD**  
Graft vs Host Diseases and  
Vasculitis and Infectious Disease  
(215) 662-2737



**Christopher Miller, MD**  
Micrographic Surgery,  
Reconstructive Surgery, and  
Cutaneous Oncology  
(215) 360-0909



**Michael Ming, MD**  
Melanoma, Dysplastic Nervi,  
and Pigmented Lesions  
(215) 662-2737



**Nicholas Mollanazar, MD, MBA**  
Various Dermatological  
Specialties  
(215) 662-2737



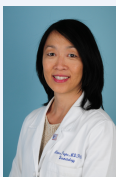
**Michelle Oboite, MD**  
General Dermatology, Hair  
and Scalp Disorders  
(215) 829-3100



**Temitayo Ogunleye, MD**  
General Dermatology, Skin of  
Color and Hair Disorders  
(215) 662-2737



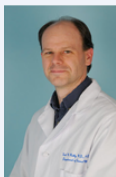
**Lisa Pappas-Taffer, MD**  
Various Dermatological  
Specialties  
(215) 504-7700



**Aimee Payne, MD, PhD**  
General Dermatology, and Auto-  
immune Blistering Diseases  
(215) 662-2737



**Douglas Pugliese, MD**  
General Dermatology and  
Wound Healing  
(215) 662-8060



**Todd Ridky, MD, PhD**  
Various Dermatological  
Specialties  
(215) 662-2737



**Panteleimon Rompolas, PhD**  
Cutaneous Stem Cell  
Regeneration, Homeostasis  
and Pathophysiology



**Rudolf Roth, MD**  
Dermatologic Surgery, General  
and Global Dermatology  
(610) 902-2400



**Adam Rubin, MD**  
Various Dermatological  
Specialties  
(215) 662-2737



**John Seykora, MD, PhD**  
Various Dermatological  
Specialties  
(215) 662-2737



**Daniel Shin, PhD**  
Various Dermatological  
Specialties



**Thuzar Shin, MD, PhD**  
Various Dermatological  
Specialties  
(215) 360-0909



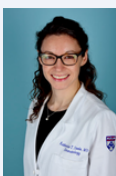
**Meera Sivendran, MD**  
General Dermatology  
(610) 902-2400



**Joseph Sobanko, MD**  
Various Dermatological  
Specialties  
(215) 360-0909



**Shobana Sood, MD**  
Various Dermatological  
Specialties  
(610) 902-2400



**Katherine Steele, MD**  
Various Dermatological  
Specialties  
(215) 662-2737



**Junko Takeshita, MD, PhD,  
MSCE**  
Health Disparities and  
Inflammatory Skin Diseases  
(215) 662-2737



**Jennifer Villasenor-Park,  
MD, PhD**  
Various Dermatological  
Specialties  
(215) 504-7700



**Julie Wahrman Cramer, MD**  
Various Dermatological  
Specialties  
(215) 504-7700



**Joanna Walker, MD**  
Various Dermatological  
Specialties  
(610) 902-2400



**Michelle Weir, MD**  
Various Dermatological  
Specialties  
(215) 829-3100



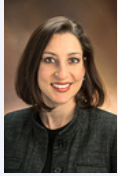
**Victoria Werth, MD**  
Autoimmune, Blistering, and  
Connective Tissue Diseases  
(215) 662-2737



**Richard Wortzel, MD, PhD**  
General Dermatology, Skin  
Cancer, Psoriasis, and Eczema  
(215) 504-7700

# CHOP PEDS-DERM FACULTY

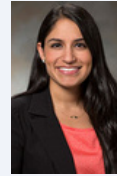
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**Marissa Perman, MD**  
*Section Chief*  
Pediatric Dermatology, Epi-  
dermolysis Bullosa, & Poly-  
cystic Ovarian Syndrome  
(215) 590-2169



**Melinda Jen, MD**  
Pediatric Dermatology  
(215) 590-2169



**Michele Khurana, MD**  
Pediatric Dermatology  
(215) 590-2169



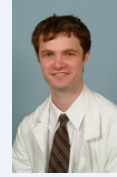
**Mary Larijani, MD**  
Pediatric Dermatology  
(215) 590-2169



**Amanda Moon, MD**  
Pediatric Dermatology  
(215) 590-2169



**Jenna Streicher, MD**  
Pediatric Dermatology  
(215) 829-3100



**James Treat, MD**  
Pediatric & Various  
Dermatological Specialties  
(215) 590-2169



**Albert Yan, MD**  
Genetic Skin Disorders, Atopic  
Dermatitis & Pediatric  
Dermatology  
(215) 590-2169

# ASSOCIATED FACULTY

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**Roman Bronfenbrener, MD**  
*Part-time*  
General Dermatology  
(215) 662-2737



**Steven Fakharzadeh, MD, PhD**  
Genetic Diseases & Other  
Dermatological Specialties  
(215) 325-3702



**Paul Gross, MD**  
*Retired*  
Clinical Dermatology and  
Dermatopathology  
(215) 829-3576



**Daniel Roling, MD**  
*Part-time*  
Various Dermatological  
Specialties  
(215) 504-7700

# EMERITUS FACULTY

---



**Edward Bondi, MD**  
Sun Damaged Skin, Melanoma  
and Non-Melanoma Skin  
Cancer



**James Leyden, MD**  
Acne



**Sarah Millar, PhD**  
Signaling Mechanisms and  
Regulating and Embryonic  
Development of Postnatal  
Growth of Skin Appendages



**Alain Rook, MD**  
Cutaneous T-Cell Lymphoma  
and Other Immune  
Mediated Diseases



**John Stanley, MD**  
Blistering Diseases and  
Pemphigus



Penn Medicine  
**DERMATOLOGY**  
*Established 1874*

# DUHRING GRAND ROUNDS SCHEDULE JULY – DECEMBER 2022

Please note that due to COVID-19, Duhring Grand Rounds will continue to be conducted virtually while some events will be offered in a hybrid format.

Please email [PennDermAlumni@uphs.upenn.edu](mailto:PennDermAlumni@uphs.upenn.edu) with any questions.

<b>July 7, 2022</b>	*No Duhring Grand Rounds This Week*	<b>October 27, 2022</b> 7:00 AM-8:00 AM	Virtual Patient Viewing and Discussion
<b>July 14, 2022</b> 7:00 AM-8:00 AM	Virtual Patient Viewing and Discussion	<b>November 3, 2022</b> 7:00 AM-8:00 AM 8:00 AM-9:00 AM	Virtual Patient Viewing & Discussion Lecturer: <b>Lisa A. Beck, MD</b> Lowell A. and Carol A. Goldsmith Professor in Dermatology Professor, Department of Pathology and Laboratory Medicine Professor, Department of Medicine, Allergy/Immunology and Rheumatology University of Rochester Medical Center <b>Title:</b> TBA <b>Location:</b> Virtual Session
<b>July 21, 2022</b> 7:00 AM-8:00 AM	Virtual Patient Viewing and Discussion	<b>November 10, 2022</b> 7:00 AM-8:00 AM 8:00 AM-9:00 AM	Virtual Patient Viewing & Discussion Lecturer: <b>Anand K. Ganesan, MD</b> Professor of Dermatology & Biological Chemistry Vice Chair for Research, Dermatology Co-Director, BIDD Program, Chao Family Equity Advisor, School of Medicine University of Irvine School of Medicine <b>Title:</b> TBA <b>Location:</b> Virtual Session
<b>July 28, 2022</b>	*No Duhring Grand Rounds This Week*		
<b>August 4, 2022</b> 7:00 AM-8:00 AM	Virtual Patient Viewing and Discussion		
<b>August 11, 2022</b>	*No Duhring Grand Rounds This Week*		
<b>August 18, 2022</b> 7:00 AM-8:00 AM	Virtual Patient Viewing and Discussion		
<b>August 25, 2022</b>	*No Duhring Grand Rounds This Week*		
<b>September 1, 2022</b>	*No Duhring Grand Rounds This Week*		
<b>September 8, 2022</b> 11:00 AM-12:00 PM	Health Equity Rounds	<b>November 17, 2022</b>	<b>HUP Philly Derm Conference, No Grand Rounds</b>
<b>September 15, 2022</b> 10:00 AM-11:00 AM 11:00 AM-12:00 PM	Virtual Patient Viewing and Discussion Lecturer: <b>Alain H. Rook, MD</b> Emeritus Professor of Dermatology Director, Photopheresis Program University of Pennsylvania Perelman School of Medicine <b>Title:</b> "Challenges in Immunotherapy of Cutaneous T-Cell Lymphoma" <b>Location:</b> Hybrid Session – SCTR Auditorium & Zoom	<b>November 24, 2022</b>	<b>Thanksgiving, No Grand Rounds</b>
<b>September 22, 2022</b> 7:00 AM-8:00 AM	Virtual Patient Viewing and Discussion	<b>December 1, 2022</b> 7:00 AM-8:00 AM 8:00 AM-9:00 AM	Virtual Patient Viewing & Discussion Lecturer: <b>Anna Bruckner, MD</b> Professor of Dermatology University of Colorado Anschutz Medical Campus <b>Title:</b> TBA <b>Location:</b> Virtual Session
<b>September 29, 2022</b> 7:00 AM-8:00 AM	Virtual Patient Viewing and Discussion	<b>December 8, 2022</b> 7:00 AM-8:00 AM 8:00 AM-9:00 AM	Virtual Patient Viewing & Discussion Lecturer: <b>Seemal R. Desai, MD, FAAD</b> Professor of Dermatology University of Colorado Anschutz Medical Campus <b>Title:</b> TBA <b>Location:</b> Virtual Session
<b>October 6, 2022</b>	*No Duhring Grand Rounds This Week*		
<b>October 13, 2022</b> 7:00 AM-8:00 AM	Virtual Patient Viewing and Discussion	<b>December 15, 2022</b> 7:00 AM-8:00 AM	Virtual Patient Viewing and Discussion
<b>October 20, 2022</b> 10:00 AM-12:00 PM	<b>47th Annual Morris H. Samitz Lectureship</b> Lecturer: <b>Ellen J. Kim, MD</b> Professor of Dermatology Medical Director, Dermatology Clinic, Perelman Center for Advanced Medicine University of Pennsylvania Perelman School of Medicine <b>Title:</b> TBA <b>Location:</b> Hybrid Session – SCTR Auditorium & Via Zoom	<b>December 22, 2022</b>	*No Duhring Grand Rounds This Week*
		<b>December 29, 2022</b>	*No Duhring Grand Rounds This Week*