



Department of Dermatology

Skinergy

W I N T E R 2 0 0 7

**INSIDE
THIS ISSUE:**

Murdough Family Center 2

Psoriasis Center of Research 3

Faculty Announcements 4

Residency News 5

Graduates and Residents 6

Mycology Update 7

Clinical Trials 7

Twins Day 8

LifeDermNet 8

Presentations 9-10

Awards 11

SDRC Lecture Series 12

Publications 13-17

Message from the Chairman

Dear Colleagues,

This past year has been one of tremendous accomplishments for both the clinical and academic missions. We have welcomed many new faculty to the department, including Drs. Jeremy Bordeax, Korda Honda, Jay Klemme, Hideaki Sugiyama, Minh Lam, and Kyle Wagamon and have wished the best to some good friends including Drs. Anita Gilliam and Malcolm Ke, on their new California endeavors. Our Department's clinical and academic operations continue to win institutional recognition for excellence and employee engagement.

We are very pleased to report that Our Department is the recipient of a large multidisciplinary NIH award, that established funding for the "Psoriasis Center of Research Translation" (CORT), the only CORT awarded to a Dermatology Department. The CORT is a wonderfully complementary grant to our newly established Murdough Family Center for Psoriasis and our NIH/NIAMS Skin Disease Research Center. This level of funding in one particular clinical and research area has placed our Department at the National forefront of investigational dermatology in psoriasis and we are excited about this opportunity.

We are very proud of the national recognition that both our residents and faculty continue to accumulate through placement in prestigious fellowships and leadership participation in national organizations.

Our department has special strengths in making tangible strides in translating ideas and science into clinical practice. Examples include Phase I trials using Photodynamic Therapy in CTCL and psoriasis, enhancing Turbo UVB for treatment of psoriasis, and 06 Benzylguanine/potentiated topical BCNU for CTCL.

We have also initiated an exciting new project headed by Dr. Neil Korman and supported by the Murdough Center to examine whether aggressive psoriasis treatment improves cardiovascular risk. This multifaceted approach to psoriasis intervention is also seen in the opening of our newly established Murdough Multidisciplinary Psoriasis Clinic which was initiated this year and includes onsite clinicians with expertise in Dermatology, Nutrition, Psychiatry and Rheumatology. Together, we are focused on providing a new type of treatment regimen that includes using unique clinical assessment tools and outcomes measures to change the practice of Dermatology.

Thanks to all of you who support the dedication and efforts of our department.

Best regards,

Kevin D. Cooper

Kevin D. Cooper, MD
Professor and Chair, Department of Dermatology



Kevin D. Cooper, MD
*Professor and Chair
Department of Dermatology*

Murdough Family Center for Psoriasis

\$5M Donation to University Hospitals Department of Dermatology

A generous donation of \$5M from the Murdough Foundation was received by the Department of Dermatology to establish the Murdough Family Center for Psoriasis (MFCP). This gift is the largest known in the United States for dermatology at an academic medical center. The MFCP will support and stimulate clinical research and treatment for psoriasis, along with education on the disease.

Multidisciplinary Psoriasis Clinic

We established a new interdisciplinary care approach to psoriasis with the opening of the Multidisciplinary Clinic. The entire multidisciplinary team consists of Dermatology, Psychiatry, Rheumatology, Nutrition, and Nursing areas. Patients at the clinic are seen by members of the team who then discuss and develop a tailored treatment plan for each individual based upon personal and family history, current medications, drug interactions, and new treatment options. Following evaluation, follow up is mainly with the patients' community dermatologist.

LIFEDERMNET

We have formed a network of community based dermatologists in Northeast Ohio that we have named LIFEDERMNET (The Leaders Initiative For Excellence in Dermatology Network). This is inspired by a British model of psoriasis medical care at the University of Manchester. The MFCP incorporates both the psoriasis research and treatment efforts of the medical center, and creates new community interfaces and a complete approach to both the mind and the body aspects of psoriasis. We have begun to visit offices of regional dermatologists to increase professional interaction with our colleagues in addition to providing supplementary patient education, opportunities for patients to join support groups, and assistance with the planning of clinical studies. We plan to emphasize the importance of education, counseling, and support services for psoriasis patients and their families. The patients will remain under the care of their community dermatologist unless otherwise specified. The MFCP's nurse practitioner will also develop and lead regional support groups.

Research

Our dermatology faculty have also established a full spectrum of projects which will benefit patients who suffer from psoriasis. We can provide early access for our patients to newly developing therapies that are not yet generally available. We are also one of a few centers worldwide with psoriasis awards from the National Institutes of Health, the Dermatology Foundation, and the Department of Veterans Affairs to research how psoriasis lesions are caused, and to

develop entirely new ways of treating psoriasis without the side effects of our current therapies.

For more information on the Murdough Family Center for Psoriasis, visit the MFCP website at:

www.murdoughpsoriasis.com



Murdough Family Center for Psoriasis Multidisciplinary Psoriasis Clinic Inaugural Clinic, with representation from Dermatology, Psychiatry, Rheumatology, Nursing and Research.



University Hospitals Case Medical Center

Psoriasis Center of Research Translation (CORT)

We recently received a 6.37 million dollar grant from NIH's National Institute of Arthritis and Musculoskeletal Skin Diseases (NIAMS) to establish a Center of Research Translation (CORT) for the skin disease Psoriasis. This is one of the largest grants ever given to a medical institution in the United States for the study of psoriasis, and only the CORT awarded to a Dermatology Department.

With a five-year grant from the National Institute of Arthritis and Musculoskeletal Skin Diseases (NIAMS), the Psoriasis CORT will bring a multidisciplinary team of physician scientists, nurses, community clinicians, laity and basic scientists from different departments and disciplines together. They will apply the intellectual and scientific resources of the institution to new therapies to provide relief to patients with the skin disease that has long-term health and psychosocial consequences.

Dr Cooper explained that "Our goal is to find ways to rebalance the human body's immune system and skin cells to restrain the expression of this skin disease," and that "It is very important to obtain safe and durable remissions from disease, because psoriasis has significant impact on patient health, spanning psychosocial effects, and risk for long term cardiovascular complications and cancers."

The CORT grant complements a \$5 million gift to University Hospitals Case Medical Center (UHCMC) from The Murdough Foundation that was received in December of 2006 designed to advance the research and treatment of psoriasis. The gift remains the largest known in the U.S., for dermatology, at an academic medical center.

"Together with the recently awarded \$64 million NIH Clinical Translational Services Award to Case, and the NIH NIAMS Skin Diseases Research Center at Case Medical Center, the Psoriasis CORT concentrates a remarkable array of interactive research resources that we expect to change patient care with safer and better therapies," said Pamela Davis, dean of the Case Western Reserve University School of Medicine.

"This CORT award reinforces University Hospitals Case Medical Center's dedication to, and progress with both the treatment and research of psoriasis," said Fred C. Rothstein, chief executive officer of University Hospitals Case Medical Center. "Our unique interdisciplinary approach to psoriasis therapy and study places us at the forefront of eventually curing this debilitating disease."

Psoriasis affects approximately six million people in the United States (two percent of the population) at an annual cost over \$1 billion in healthcare treatments. The disease is believed to have a genetic component. Additionally, the patients' immune system is mistakenly triggered, resulting in an increased growth cycle of skin cells up to seven times the normal growth rate. The increased skin growth leads to the formation of lesions on the skin which can be inflamed. Psoriasis patients are also predisposed to a specific form of arthritis associated with the disease and can put patients at greater risk for cardiovascular diseases, treatment complications and lymphomas.

Case Western Reserve and UHCMC are recognized as leaders in the study of psoriasis in multiple ways; the Skin Disease Research Center, which is one of only six NIH/NIAMS centers throughout the entire country, the Murdough Family Center for Psoriasis, NIH NIAMS research project funding, Veterans Administration translational clinical trial funding, and now the Psoriasis CORT.

The Psoriasis CORT will be under the direction of Dr. Cooper, who will lead a research team based on three projects that simultaneously utilize different strategies to study the disease.

Members of the research team include Thomas McCormick, PhD, associate director; Neil Korman, MD, PhD, associate director for clinical research; Nicole Ward, PhD, and Elma Baron, MD, project directors; Pratima Karnik, PhD, and Mireya Diaz, PhD, (Epidemiology and Biostatistics), core directors. The study brings together an interdisciplinary team that also includes Mark Chance, PhD, director of the Proteomics Center; Nancy Oleinick, PhD, professor of radiation biology; Anne Marie Broome, assistant professor of radiology and Case Center for Imaging Research; and Daniel Simon, MD, chief of the division of cardiovascular medicine.

The mission of the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), a part of the Department of Health and Human Services' National Institutes of Health, is to support research into the causes, treatment and prevention of arthritis and musculoskeletal and skin diseases; the training of basic and clinical scientists to carry out this research; and the dissemination of information on research progress in these diseases.

Faculty Announcements

Please welcome the newest members of our Dermatology faculty



Jeremy Bordeaux, MD, MPH

Dr. Bordeaux joined our faculty in August 2007. He is the Director of Dermatologic Surgery and the Melanoma Program for the Department of Dermatology. He sees patients at our Bolwell (Case Medical Center), Chagrin Highlands, and Westlake locations.

Dr. Bordeaux comes to us extensively trained after receiving his medical degree from Duke University School of Medicine and a Masters of Public Health from the University of North Carolina. He then completed both a residency in Dermatology and a fellowship in Mohs Micrographic Surgery and Cutaneous Oncology from the University of Massachusetts School of Medicine. Dr. Bordeaux's special interests are in Mohs Micrographic Surgery and Dermatologic Surgery, Melanoma, Skin Cancer in Organ Transplant Patients, Rare Skin Cancers, and Dermatologic Education. His professional associations include the American Academy of Dermatology, the American Academy of Mohs Surgery, the International Skin Cancer Collaborative, the American Society for Dermatologic Surgery, and the Society for Investigative Dermatology.



Kord Honda, MD

Dr. Honda joined our faculty in June 2007 as the Director of Dermatopathology in the Department of Dermatology at University Hospitals Case Medical Center and Case Western Reserve University. He replaced Dr. Anita Gilliam, who has relocated to the West Coast to join her family. Dr. Honda will coordinate our comprehensive dermatologic laboratory services (Dermatology, Melanoma & Lymphoma, Immunodiagnostics) in conjunction with Drs. Neil Korman (Bullous Diseases/Immunofluorescence) and Mahmoud Ghannoum (Mycology). He collaborates with Dr. Evan Farmer, a consultant to our Dermatopathology team, who currently serves as Professor of Pathology and

Dermatology at Virginia Commonwealth University School of Medicine and Director of Dermatopathology at Johns Hopkins University.

Dr. Honda received his undergraduate degree from Stanford University and his medical degree from the University of California, San Francisco. He then completed both an Internal Medicine Residency and a Dermatology Residency at the University of Washington in Seattle, following practice as an Internist. He then went on to the University of Cincinnati where he completed his fellowship in Dermatopathology. Dr. Honda's special interests are in Cutaneous Oncology/Pathology, Cutaneous Immunofluorescence, and teaching programs. He is a member of both the Ameri-



Jay Klemme, MD, MPH

Jay Klemme, M.D. M.P.H. joined the Department of Dermatology January 1st, 2008. A graduate of the University Hospitals Case Medical Center Dermatology Residency, he sees patients in our new Strongsville location four days a week and one day in Cleveland and at the UHCMC campus. Dr. Klemme previously practiced dermatology at the Cleveland Clinic Wooster campus. Dr. Klemme also brings his extensive clinical expertise to benefit our teaching programs.



Hideaki Sugiyama, MD, PhD

Dr. Sugiyama joined us in April 2007 as our first Murdough Family Center for Psoriasis research faculty member. He received both his MD and PhD from Yamanashi Medical University in 1991 and 1995, respectively. He served as a faculty member there before assuming his current position of Assistant Professor in the Department of Dermatology at University Hospitals Case Medical Center.

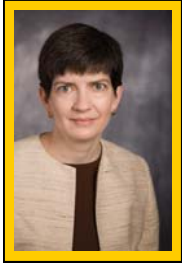
Dr. Sugiyama has been trained as both a clinical dermatologist and immunologist. He has been investigating cutaneous T cell immunology for many years, and one of his recent research areas has shed light on human regulatory T cells in the pathogenesis of skin diseases. Dr. Sugiyama and his colleagues have recently demonstrated dramatically reduced numbers of peripheral blood CD4+CD25^{high} regulatory T cells in patients with pemphigus vulgaris. He is now finding a new abnormality of such cells in psoriasis, which may explain the unrestrained inflammation of psoriasis lesions.

We would like to thank the following individuals for their service and contributions made to the Department of Dermatology during their time as members of our faculty.

*David Askew, PhD
Anita Gilliam, MD PhD
Milord Gottlob, MD
Malcolm Ke, MD
Molly Smith, MD
Gisela Torres, MD*

We wish them the best in all of their future endeavors.

Residency News



Susan T. Nedorost, MD
appointed **Allopathic Residency Program Director**



Joan Tamburro, DO
appointed **Osteopathic Residency Program Director**

New Allopathic Residency Program Director & Associate Combined Program Director

Dr. Susan Nedorost has been appointed the new Director of the Allopathic Residency Program. Susan joins Dr. Joan Tamburro, Osteopathic Residency Program Director, in leading the Department's Residency Education Team. A graduate of Case Western Reserve University School of Medicine and the Cleveland Clinic Foundation Dermatology Residency, Susan has a long-term interest in Dermatology education and teaching innovation, in addition to her expertise in Contact Dermatitis.

SID Resident Retreat for Future Academicians

The Resident Retreat for Future Academicians is a two-day formal meeting that seeks to expose young physicians to the challenges and rewards of careers in academics. Residency training program directors are asked each year to nominate first-year dermatology residents who are good candidates for research or academic careers. Only thirty residents from a nationwide pool are selected to attend the Retreat each year. At the Retreat, residents and faculty meet to discuss advantages of careers in research and teaching, as well as funding opportunities and opportunities for advancement in academic careers.

Congratulations to our outstanding residents who were selected to participate in the 2007 SID Resident Retreat that was held June 1-3, 2007 in Warrenton, Virginia:

- Eun Ji Kwon, MD

- Ally Khan Somani, MD, PhD
- Joanne Sung, MD, PhD

Resident Research Retreat

Dermatology faculty and residents headed out to Holiday Valley for the Annual Resident Research Retreat to present their research progress.

First Years:

Margaret A. Kessler, MD
Ku70 Expression in CTCL patients treated with Pc4 PDT

Eun Ji Kwon, MD
SI00A8A9 expression in psoriatic skin

Shannon Routouska, MD
Psoriasis

Joanne Sung, MD, PhD
Involvement of integrin-mediated TGF beta activation in the pathogenesis of GVHD

Second Years:

Kelly DeHart, DO
Neurotransmitter contribution to elicitation of nickel allergy in humans

Katalin Ferenczi, MD, PhD
Expression of the anti-apoptotic Ku70 in CTCL

Kaija Hanneman, DO
The 308 nm excimer laser for the treatment of oral lesions: a pilot study

Kurt Lu, MD
Dennis Nguyen, MD
Rishi Patel, MD
The role of IL-6 and macrophages in UVB-exacerbated melanoma tumor growth

Danielle Moul, MD
An open-label single center pilot study investigating the clinical response and mechanism of action of

infliximab in the treatment of adults with inflammatory bowel disease who have moderate to severe pyoderma gangrenosum

Third Years:

Joe Apisarnthanarax, MD
Function and phenotype of T regulatory cells in cutaneous T cell lymphoma

Melissa Camouse, DO
Topical Green Tea and Rosacea

Timothy Chang, MD
An anti-IL-12p40 antibody down-regulates type 1 cytokines, chemokines, and IL-12/IL-23 in psoriasis

Mary Evers, DO
The role of skin biopsy in the immunocompromised (non HIV) patient

A poster presentation session was newly instituted into this year's Research Retreat. The session consisted of "guided tours" of relevant research posters presented by the Department within the last year. This was well-received with posters presented by Drs. Kevin Cooper, Anita Gilliam, Tom McCormick, Kurt Lu, and Joe Apisarnthanarax.

Congratulations to Our Graduates!

2007 Resident/Fellow Graduates

Residents:

Narin (Joe) Apisarnthanarax, M.D. went into private practice in Webster, TX.

April M. Boswell, M.D. started working at Kaiser locally during the 2007-08 academic year and will begin a Dermatopathology Fellowship in Atlanta, GA in July, 2008.

Melissa M. Camouse, D.O. plans to begin working at Kaiser Permanente Medical Care Program in Panorama City, CA.

Timothy T. Chang, M.D. entered a Dermatopathology Fellowship at the University of Colorado Health

Sciences Center in the Department of Pathology, Denver, CO.

Mary A. Evers, DO., joined the Austin Diagnostic Clinic in Austin, TX.

Jorge Garcia-Zuazaga, M.D. entered a Dermatological Surgery Fellowship at the Lahey Clinic/ Dermatology Department: . Upon completion of the fellowship, he will be returning to the Department as a faculty member.

Chere R. Lucas, M.D. entered private practice in Miami, FL.

Gisela Torres, M.D. joined the faculty in the Department of Dermatology at MetroHealth Medical Center, Cleveland, OH.

Fellows:

Arni Kristjansson, M.D. (Dermatopathology Fellow), Completed the Dermatopathology Fellowship and took a faculty position in the Department of Dermatology at the University of Connecticut Health in Farmington, CN.

Molly Smith, M.D., (Dermatopathology Fellow), completed the Dermatopathology Fellowship and went to Norwalk, VA.

Allison Brown, M.D.

(Fellow, Clinical Trials Unit), completed the Clinical Trials Fellowship. She is planning to begin a Dermatology Residency in July 2008.

Daven Doshi, M.D.

(Lymphoma Fellow), completed the Lymphoma fellowship. He is planning to begin a Dermatology Residency in July, 2008 at Einstein/Montefiore Med Ctr-New York, NY.

2007-2010 Dermatology Residents University Hospitals Case Medical Center

Allopathic Division:

Janine Miller, MD



Janine is a graduate from St. George's University and completed her internship at the State University of New York Health Science Center at Brooklyn. Upon completion of her internship, she completed a Telemedicine fellowship in the Department of Dermatology at Harvard Medical School and a Photobiology fellowship in the Department of Dermatology at University Hospitals Case Medical Center.



Maria Robinson, MD

Maria is a graduate from the Milton S. Hershey Medical Center at Pennsylvania State University and completed her medicine internship at Christiana Care in Newark, Delaware. Prior to starting her dermatology residency, she completed a two year clinical trials fellowship in the Department of Dermatology at University Hospitals Case Medical Center.



Susan Keiler, MD

Susan is a graduate from the University of Illinois School of Medicine and completed a year of Pediatrics at Children's Hospital Medical Center and the University of Cincinnati College of Medicine.



Marie Tuttle, MD

Marie is a graduate of the University of Utah School of Medicine and completed her transitional internship at LDS Hospital in Salt Lake City, Utah.

Osteopathic Division:



Travis Lam, DO

Travis is a graduate from Oklahoma State University College of Osteopathic Medicine and completed his rotating internship at University Hospitals Richmond Medical Center.



Heather Volkman, DO

Heather graduated from the University of North Texas Health Sciences Center, Texas College of Osteopathic Medicine and completed her rotating internship at University Hospitals Richmond Medical Center.

The Center for Medical Mycology at University Hospitals Case Medical Center is currently acting as the central lab for five international clinical trials. Animal and *in vitro* divisions are also very busy with pharmaceutical company sponsored projects and NIH grant work.

Research ShowCASE Award

Congratulations to Dr. Yoshifumi Imamura for receiving a Postdoctoral Research Award for his poster presentation entitled *Fusarium Biofilms on Soft Contact Lenses: Characterization and Antifungal Susceptibility* at the Research Show-Case on April 12, 2007 held at the

Case Western Reserve University School of Medicine.

Abstract Presentation

Mycology faculty presented the following abstract at the 4th Annual ASM Conference on Biofilms held in Quebec City, Canada March 25-29, 2007:

Fusarium biofilms formed on soft contact lenses are resistant to antifungals. Yoshifumi Imamura, Jyotsna Chandra, Proanab K. Mukherjee, Ali Abdul Lattif, Loretta B. Szczotka-Flynn, Eric Pearlman, Jonathan H. Lass, and Mahmoud A. Ghannoum

Mycology Update



Clinical Trials & Studies

Ongoing Clinical Trials

We are currently enrolling patients in trials for psoriasis using medications that target IL12, studies comparing anti-IL-12 with other biologics and long term registry studies to evaluate safety for psoriasis patients on biologic therapy.

The Department of Dermatology at University Hospitals Case Medical Center is also conducting an investigational study for patients with cutaneous T cell lymphoma, mycosis fungoides type (stage IB-IVB) with a medication that targets CD4 cells in CTCL. Skin biopsies, blood work, photographs, CT scans, EKG are performed during the study.

The Clinical Trials Unit provides patients with the opportunity to participate in studies of the newest medications that are evaluated as potential therapies. **For more information on our clinical trials, please call 216-844-7394.**

Other Clinical Studies

Protection Against Adverse Effects

of UV Radiation on Human Skin.
Drs. Kevin Cooper, Elma Baron

Genetics of Skin Disease in Twin Pairs.
Drs. Joan Tamburro, Kevin Cooper

Causes of Inflammation in Normal and Diseased Scalp Tissues.
Dr. Pratima Karnik

Immune responses to fungal Pathogens (*Candida albicans*).
Dr. Mahmoud Ghannoum

Improving Access to Dermatologic Care via Teledermatology within the VA Hospital System: Outcomes Study.
Dr. Elma Baron

Effect of Etaancept on UV-Induced Contact Sensitivity Suppression in Psoriasis Patients.
Dr. Elma Baron

Mechanistically-Based Optimization of UV Radiation Therapy in Psoriasis Patients at the VA.
Dr. Kevin Cooper

308 nm Excimer Laser for the Treatment of Oral Lesions: A Pilot Study.
Dr. Elma Baron

Fabric Preferences in Atopic

Dermatitis and Normal Skin.

Dr. Susan Nedorost

Our Skin Study Center provides support and resources for our own team of nationally renowned researchers as well as other departmental and industry sponsored clinical research studies. **For more information on our Clinical Studies, please call 216-844-7834**



Twins Day Festival



Every year in Twinsburg, Ohio there is a twins festival with the largest gathering of twins in the world. Twins both young and old gather together to celebrate being twins. Part of the festival allows twins to be involved in important twins research.

University Hospitals Department of Dermatology has been conducting research each year at the festival for over 5 years. This year we continued with our ongoing

IRB approved research survey exploring the genetic basis of skin disease.

We survey twins of all ages regarding skin disease in themselves and in family members. For three years we have also been studying hair loss in twins. We recruit twins of the same gender over the age of 18 who have noticeable hair loss. We gather DNA and photograph the scalp.

This year was very successful. We had a record number of twins enroll in the genetic basis of skin disease study. Volunteer dermatology residents, interns and medical students dedicate their time to collect the data at the festival.

LifeDermNet

We have formed a Network of Community Based Dermatologists in Northeast Ohio that we have named LIFEDERMNET.

What LIFEDERMNET will do for the practicing dermatologist:

- Increase professional interaction with colleagues
- Involvement in an initiative that will improve clinical excellence
- Opportunity for patients to join support groups
- Opportunity to help plan clinical studies that patients can join
- Education, counseling, and support for patients and their families with an emphasis for the importance of mind/body connection in care of psoriasis patients
- Establish effectiveness of these interventions on results of treatment programs

- Improve the efficiency and effectiveness of clinical practice
- Augment the care of patients by increasing patient satisfaction with their care
- Lay groundwork for upcoming Pay for Performance Initiative by developing measurement systems
- We will make this easy and low burden
- Center provides staff to streamline process
- Network is voluntary, anyone can withdraw at anytime
- At least two types of studies: those we generate and those you generate

How LIFEDERMNET will work:

- Regular meetings with dermatologist members of LIFEDERMNET to be led by Dr. Eliot Mostow and Dr. Bob Brodell
- Purpose of these meetings is to improve logistics and to discuss center findings
- Development of regional sites for clinical research
- Center nurses travel to dermatology offices to see psoriasis patients
- Patients will remain under the care of the dermatologist in the community unless referred for consultation or ongoing care
- Center activities will incur no costs
- Center nurses to develop and lead regional support groups



American Academy of Dermatology Meeting

March 29 - March 31, 2007
Washington, D.C.

Dr. Elma Baron:

Photodynamic Therapy of CTCL for the Forum on Clinical Applications of PDT,
directed by Dr. Alan Oseroff

Non-ablative photorejuvenation using PDT for the Forum on Advances in Photomedicine, directed by Dr. Elma Baron

PDT: mechanism of action for the symposium on Therapies and How They Work, directed by Dr. Neil Korman

Dr. Neil Korman:

"Combination Immunosuppressive Therapies: The Promise and The Peril" American Academy of Dermatology, Washington DC, February, 2007.

"How and When To Use Scary Drugs" American Academy of Dermatology, Washington DC, February, 2007.

Summer AAD:

"Alefacept For Psoriasis: Who To and Not to Treat, and Setting Expectations" American Academy of Dermatology, New York, NY, August, 2007

Dr. Malcolm Ke:

American Academy of Dermatology Annual Meeting 2007, Washington D.C.

Dr. Jorge Garcia:

Course Director for the AAD's **Resident Hot topics symposium.** Organization of Residents Colloquium - this is a program where residents can learn about the different sub specialties of dermatology. We also had for the first time a resident's reception which was very well received.

American Society for Dermatopathology

Oct. 18 - Oct. 21, 2007

Baltimore, Maryland

Poster Title:

Cutis Verticis Gyrate in a Patient with Gorlin (Nevoid Basal Cell Cancer) Syndrome

Poster Authors:

Katalin Ferenczi MD, Diana SantoDomingo MD, Erika Lindstrom, ABD, Kevin D. Cooper MD, Kord Honda MD, Elma D. Baron MD, Anita C. Gilliam MD, PhD

Poster Title:

A case of recurrent pseudolymphomatous folliculitis – A mimic of cutaneous lymphoma

Poster Authors:

Eun Ji Kwon, M.D., Arni K. Kristjansson, M.D., Howard J. Meyerson, M.D., Gregory M. Fedele, M.D., Rebecca C. Tung, M.D., Kord S. Honda, M.D., Anita C. Gilliam, M.D., Ph.D., Jennifer M. McNiff, M.D

Poster Title:

A Rare Case of Melanoma Recurring as Subcutaneous Metastatic Melanoma with Overlying Eczy-moses and Resolution with Temozolomide

Poster Authors:

William K. Dehart, D.O., Anita C. Gilliam, M.D., Ph.D., Kurt Q Lu, M.D., Joanna Brell, M.D.

Poster Title:

Epidermal nevus syndrome with smooth muscle hamartoma in association with Peters anomaly and agenesis of the corpus callosum

Poster Authors:

Rishi R. Patel, M.D., Amy L. Gasnell, B.S., Joan E. Tambarro, D.O., Anita C. Gilliam, M.D., Ph.D.

Poster Title:

Cutaneous Mycobacterium chelonae Infection in an Immunocompromised Patient with Graft Vs. Host Disease

Poster Authors:

Shannon B. Routhouska, M.D., Malcolm Ke, M.D., Kord Honda, M.D., Anita C. Gilliam, M.D., Ph.D.

Poster Title:

Vitiligo-like destruction of melanocytes in juvenile localized scleroderma

Poster Authors:

Joanne J. Sung, M.D., Ph.D., Tina Chen, M.D., Kord Honda, M.D., Timothy McCalmont, M.D., Anita C. Gilliam, M.D.,

Poster Title:

Primary Cutaneous Nodular Amyloidosis: A Case Report

Poster Authors:

John Miedler, M.D., W. Elliot Love, D.O., Molly K. Smith, M.D., Kevin D. Cooper, M.D., Anita C. Gilliam, M.D., Ph.D.

Poster Title:

Secondary Extramammary Paget's Disease of the Vulva of Urothelial Origin

Poster Authors:

John Miedler, M.D., Arni K. Kristjansson, M.D., Gregory T. MacLennan, M.D., Anita C. Gilliam, M.D., Ph.D., Fadi W. Abdul Karim, M.D.

Poster Title:

A case of erythematous supravenuous drug eruption: one end of the serpentine spectrum

Poster Authors:

Margaret A. Kessler, M.D., Kevin D. Cooper, M.D, and Anita C. Gilliam, M.D., Ph.D.

Poster Title:

Radiation-Associated Cutaneous Atypical Vascular Lesion

Poster Authors:

Arni K. Kristjansson, M.D., W. Elliot Love, D.O., Joanne J. Sung, M.D., Ph.D., Kevin D. Cooper, M.D., Anita C. Gilliam, M.D.Ph.D.

Society for Investigative Dermatology

SID 2007

May 9-12, 2007 in Los Angeles, CA

Hypoxia-inducible factor-1-alpha expression increases after photodynamic therapy using the silicon phthalocyanine Pc 4

A.H. Hsia, D. Santo Domingo, J. D. Miller, K. D. Cooper, E. D. Baron

Enhanced type I interferon signaling in dermatomyositis

A. Somani, P. Karnik, T. S. McCormick, K. D. Cooper

Tolerability and efficacy of O6Benzylguanine and topical BCNU in a Phase I trial for cutaneous T-cell lymphoma

D. Doshi, N. Apisarnthanarax, L. Liu, P. Fu, A. C. Gilliam, G. S. Wood, S. L. Gerson, S. R. Stevens, K. D. Cooper

Epigallocatechin-galate infused cream has anti-angiogenic effects in rosacea

D. Santo Domingo, M. Camouse, J. Miller, A. H. Hsia, N. L. Ward, M. Matsui, D. Maes, K. D. Cooper, E. D. Baron

IL-6 mediates UVB-exacerbated melanoma growth

K. Q. Lu, D. H. Nguyen, R. R. Patel, T. S. McCormick, K. D. Cooper

Angiopoietin I can enhance wound healing in a re-epithelialization independent manner

G. N. Adams, E. Brandt, G. Torres, T. S. McCormick, N. L. Ward

Etanercept effect on regulatory and effector T cells in psoriasis patients

J. V. Massari, W. A. Goodman, M. R. Robinson, S. B. Routhouska, S. R. Stevens, K. D. Cooper, N. J. Korman, T. S. McCormick

Altered expression of the anti-apoptotic protein, Ku-70 in CTCL; a mechanism of malignant T Cell death evasion?

K. Ferenczi, T. S. McCormick, A. Somani, A. C. Gilliam, S. Matsuyama, K. D. Cooper

Hair follicle stem cell-specific PPAR gamma deletion causes scarring alopecia

P. Karnik, Z. Tekeste, M. Smith, A. Gilliam, T. S. McCormick, K. D. Cooper, P. Mirmirani

Evidence for T-regulatory cell aberrations in Sezary syndrome and mycosis fungoides

N. Apisarnthanarax, J. V. Massari, W. A. Goodman, T. S. McCormick, K. D. Cooper

Keratinocyte specific overexpression of the angiopoietin receptor Tie2 leads to development of a psoriasiform phenotype

J. A. Wolfram, A. Lowther, G. N. Adams, X. Chen, D. Askew, A. C. Gilliam, T. S. McCormick, N. L. Ward

Combined exposure to UV and Dinitro benzene sulfonic acid (DNBS) profoundly modulates Ca⁺⁺-binding proteins and alters redox signaling

M. Bennett, L. Liu, S. Liu, N. C. Biljanovska, T. S. McCormick, M. R. Chance, K. D. Cooper, P. Karnik

Combined exposure to UV and Dinitro benzene sulfonic acid (DNBS) profoundly modulates Ca⁺⁺-binding proteins and alters redox signaling

M. Bennett, L. Liu, S. Liu, N. C. Biljanovska, T. S. McCormick, M. R. Chance, K. D. Cooper, P. Karnik

Does IL-6 in psoriatic lesions reverse the ability of regulatory T cells to suppress effector T cell Proliferation?

WA Goodman, JV Massari, TS McCormick, K.D. Cooper



“SID, Los Angeles California May 9-12,2007.”

Awards

Dermatology Foundation Research Awards

The Dermatology Foundation Research Awards Program offers career development, fellowships and grant awards that are intended to advance the early research careers of individuals in dermatology and cutaneous biology. An emphasis is placed on supporting research that benefits the dermatology community at large.

Congratulations to the following Department members who received 2007 DF Research Awards:

Pratima Karnik, Ph.D., “Scarring alopecia phenotypes in PPARgamma knockout mice”, Research Grant

Kurt Lu, M.D., “Role of UV-induced IL-6 in promoting melanoma growth”, Dermatologist Investigator Research Fellowship

Ally-Khan Somani, M.D., Ph.D., “The role of IFN-beta signaling in dermatomyositis and systemic lupus erythematosus”, Patient Directed Investigation Grant

Nicole L. Ward, Ph.D., “Neurovascular interactions in skin”, Research Career Development Award

American Skin Association

Nicole Ward

Research Scholar Award for Psoriasis and Inflammatory Skin Diseases

Title: Angiogenic proteins and psoriasis

Juvenile Diabetes Research Foundation Innovative Research Grant

Nicole Ward

Title: Angiopoietin-I as a therapeutic target for diabetes impaired wound healing.

SDRC P&F (8/1/07-7/31/08)

Role of Wnt Signaling in Craniofacial Dermal Development

(PI: Radhika Atit, Ph.D.)

TNF-alpha Regulation of S100A8 and S100A9 in Human Keratinocytes

(2nd year of 2-year Funding)

(PI: Ann-Marie Broome, Ph.D.)

Scarring Alopecia Phenotypes in PPAR-gamma Knockout Mice

(PI: Pratima Karnik, Ph.D.)

Identification and Regulation of Defensins in Human Mucosal Tissue

(PIs: Alan Levine, Ph.D., Thomas S. McCormick, Ph.D., and Aaron Weinberg, DMD, Ph.D.)

Upcoming Meetings & Events

Research Division Faculty Meetings 3rd **Thursday of every even month at 7:30am**
(Lakeside Conference Room)

Multidisciplinary Psoriasis Clinic **Last Tuesday of every month 3-5pm** **Dermatology Bolwell Clinic 3100**

Clinical Division Faculty Meetings Once a quarter, **Thursday at 7:30am** (exact date TBA)
(Lakeside Conference Room)

Resident Advisory Committee Meeting **2nd Tuesday of every quarter at 7:30am**
(Lakeside Conference Room)

Clinical Site Leads Meeting **4th Thursday of every month at 7:30am****(BRB Conference Room)**

Murdough Family Center for Psoriasis Meeting **Every Tuesday at 9:30am****(Lakeside Conference Room)**

Dermatopathology Conference
Dermpath Core is every other Monday 4-5pm
(Lakeside Conference Room)

Multidisciplinary Cutaneous Oncology Programs
Melanoma & Lymphoma conferences: biweekly 4-5pm
(Lakeside Conference Room)

Skin Diseases Research Center (SDRC)

SDRC Speaker Program Update

The Skin Diseases Research Center Speaker Program at University Hospitals Case Medical Center and Case Western Reserve University continues its tradition of excellence by presenting a stellar line up of national and international speakers in the field of investigative

dermatology. The Speaker Program has been very fortunate to host prominent leaders in Dermatology presenting exciting basic science and clinical lectures for our Department and the larger Hospital and University communities. In addition to lectures, our invited speakers have engaged in Grand Rounds as well as luncheon sessions with our residents and

fellows. Thank you to all for your continued suggestions of excellent guest Faculty. Please continue to nominate new Faculty for invitations to either Ms. Minjia Greisser or Dr. Thomas McCormick.

SDRC Lecture Series Schedule

SDRC Lecture Series 2007-2008
Sponsored by University Hospitals Case Medical Center
and Case Western Reserve University School of Medicine

Date	Thurs. 9:30 am SDRC Speaker BRB Dermatology Conference Room 532	Topic
July 12, 2007	Jean Bologna, M.D.	Signature Nevi
July 26, 2007	Michael Hamblin, Ph.D.	Photodynamic Therapy and Anti-tumor Immunity
September 27, 2007	Joseph Kvedar, M.D.	Update in Telemedicine Applications in Dermatology
October 25, 2007	Eliot Mostow, M.D.	Wound Care Update: A practical and evidence-based approach
February 28, 2008	Robert Swerlick, M.D.	Early signaling events in irritant dermatitis: in vitro studies
March 13, 2008	Mathew Avram, M.D.	The future of fat and non-invasive fat removal
April 10, 2008	George Cotsarelis, M.D.	Hair follicle stem cells and skin regeneration
April 24, 2008	Michael Detmar, M.D.	The cutaneous vasculature—a new therapeutic target
May 8, 2008	Christopher Arpey, M.D.	An Update on Keratoacanthomas
May 22, 2008	Ken Lee, M.D.	Surgical Pearls
June 12, 2008	James Marks, M.D.	Plant dermatitis
June 26, 2008	Thomas Schwarz, M.D.	UV-induced immunosuppression: facts and consequences

Publications

Faculty Publications

Gottlieb AB, Cooper KD, McCormick TS, Toichi E, Everitt DE, Frederick B, Zhu Y, Pendley CE, Graham MA, Mascelli MA. A phase I, double-blind, placebo-controlled study evaluating single subcutaneous administrations of a human interleukin-12/23 monoclonal antibody in subjects with plaque psoriasis. *Curr Med Res Opin.* 2007 May;23(5):1081-92.

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Blumetti BL, Gilliam AC, Cooper KD, Helms SE. Persistent violaceous papules on the ears. *Arch Dermatol.* 2007 Mar;143(3):417-22.

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Hanneman KK, Scull HM, Cooper KD, Baron ED. Effect of topical vitamin D analogue on in vivo contact sensitization. *Arch Dermatol.* 2006 Oct;142(10):1332-4.

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Ramirez de Knott HM, McCormick TS, Kalka K, Skandamis G, Ghannoum MA, Schluchter M, Cooper KD, Nedorost ST. Cutaneous hypersensitivity to *Malassezia sympodialis* and dust mite in adult atopic dermatitis with a textile pattern. *Contact Dermatitis.* 2006 Feb;54(2):92-9.

Zhang AY, Wu C, Zhou L, Ismail SA, Tao J, McCormick LL, Cooper KD, Gilliam AC. Transduced monocyte/macrophages targeted to murine skin by UV light. *Exp Dermatol.* 2006 Jan;15(1):51-7.

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Kagen MH, McCormick TS, Cooper KD. Regulatory T cells in psoriasis. Ernst Schering Res Found Workshop. 2006;(56):193-209.

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Publications

Resident Publications

Narin Apisarnthanarax, Gary S. Wood, Seth R. Stevens, Lili Liu, **Malcolm S. Ke**, **Daven Doshi**, Shaheen Oshtory, **Sarolta K. Szabo**, Pingfu Fu, **Anita C. Gilliam**, Stanton L. Gerson, Scot C. Remick, **Kevin D. Cooper**. Phase I Clinical Trial of O6Benzylguanine and Topical BCNU in the Treatment of Cutaneous T-Cell Lymphoma (accepted)

Timothy T. Chang, Ramona Behshad, Robert T. Brodell, **Anita C. Gilliam**. A male infant with anhidrotic ectodermal dysplasia/immunodeficiency accompanied by incontinential pigmenti and a mutation in the NEMO pathway. *Journal of American Academy of Dermatology* (accepted)

Katalin Ferenczi, **Timothy Chang**, **Melissa Camouse**, **Rujing Han**, Robert Stern, Joseph Willis, **Kevin D. Cooper**, **Anita C. Gilliam**. A case of Churg-Strauss Syndrome associated with antiphospholipid antibodies. *Journal of American Academy of Dermatology* (accepted)

Amy Han, **Arni K. Kristjansson**, **Anita C. Gilliam**, Gretta Jacobs, Rosana Eisenberg. Pigmented Olfactory Neuroblastoma: A CD56 (Neural Cell Adhesion Molecule)-Positive Mimic of Melanoma. *Journal of American Academy of Dermatology* (accepted)

Arni K. Kristjansson, **Molly Smith**, Jennifer Gould, **Anita C. Gilliam**. Pink pigtails are a clue for the diagnosis of scabies. *Journal of American Academy of Dermatology* (accepted)

John D. Miedler, **Arni K. Kristjansson**, Jennifer Gould, Joan Tamburro, Anita C. Gilliam. Pagetoid Reticulosis in a 5 year old boy. *Journal of American Academy of Dermatology* (accepted)

Lowther, A.L., **Somani AK.**, **Camouse M**, Florentino, F.T., Somach, S.C. Invasive *Trichophyton rubrum* infection occurring with infliximab and long term prednisone treatment. *J. Cutan. Med. Surg.* 11(2):84-88 (2007).

Gisela Torres, Ramona Behshad, **Amy Han**, Anthony Castrovinci, **Anita Gilliam**. "I forgot to shave my hands:" a case of Spiny Keratoderma. *Journal of American Academy of Dermatology* (accepted)



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