

The Department of Dermatology at Dartmouth-Health



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LETTER FROM THE CHAIR

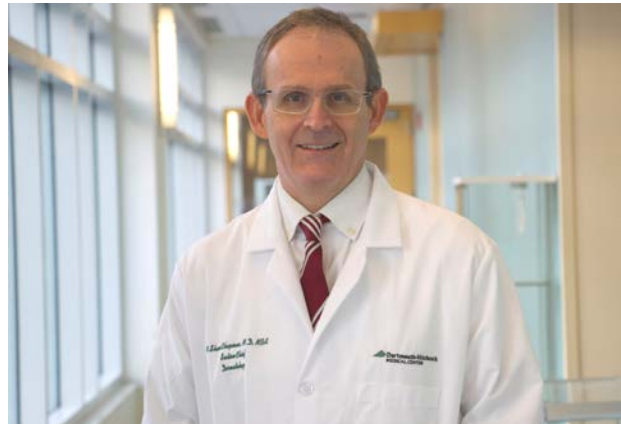
Since 1947, the Dermatology program has been a part of the Hitchcock Clinic, the Mary Hitchcock Memorial Hospital and the Dartmouth-Hitchcock Medical Center. We started as a Faculty of one, without a training program, and grew to be a Section of Dermatology, under multiple other Departments. As of 2020, after 75 years, we are now a stand-alone Department of Dermatology. Our Faculty now numbers 14, with 9 Residents, 3 Fellowships and 4 PhD scientists. In 2021, we saw over 50,000 patients and performed over 2,000 Mohs surgery procedures. Our department boasts 14 specialty and multidisciplinary clinics, and continues to grow. We have published ~ 45 peer-reviewed articles per year over the last 3 years. Our basic science laboratory foot print is growing. Our grant and external funding awards are expanding. The capacity and the momentum to do great clinical and research work is on an upward trajectory.

All in all, our Department is not only growing, but thriving, even during the “COVID pandemic slowdown.” We continue to optimize our newfound autonomy, and aim to be recognized as a Department that is not only growing within, but also contributes to the missions of the academic medical center through improving the quality of care and research in all areas of the Dartmouth-Hitchcock academic medical center.

We have active collaborations with multiple departments across the Dartmouth umbrella, that extend beyond the clinical spectrum, and into the Thayer School of Engineering, the Dartmouth Institute, the Tuck School of Business and Department of Medical Education, to name a few. Our faculty interests also continue to expand into collaborative projects with Radiation Oncology, Psychiatry, Rheumatology, as well as areas of interest such artificial intelligence, the cutaneous microbiome, immunology, virology, light-based energy, and light-based diagnostic devices.

Becoming a Department has elevated our status as a specialty, stimulated individual Faculty members to be a part of something bigger, and also boosted our role in the larger academic medical center. Department status has also, somewhat unexpectedly, heightened our self-awareness and the importance of our specialty to others in the medical center and beyond.

I have seen an increase in our faculty volunteering for committees, participating in tumor boards, starting grass root research groups and developing an overall sense of belonging to something bigger, while at the same time feeling pride in our specialty that was in the shadows of the academic medical center for many years. This kind of enthusiasm and gratification are important forces for growing and improving our clinical and academic mission for the future, and something that is directly related to our department status. This is a thank you to all those former Faculty and residents, and current Faculty and residents that created and sustained our program for the past 75 years. We will use this opportunity wisely!



M. Shane Chapman, MD, MBA
Professor and Inaugural Chair
Department of Dermatology
Geisel School of Medicine at Dartmouth and
Dartmouth-Hitchcock Medical Center

DERMATOLOGY FACULTY

2022



DENISE AARON, MD

Assistant Professor of Dermatology

**Undergraduate:**

Lehigh University

Medical School:

University of Texas Medical School at Houston (McGovern)

Internship:

Dartmouth-Hitchcock Medical Center, Internal Medicine

Residency:

Dartmouth-Hitchcock Medical Center, Dermatology

Dr. Aaron completed her medicine internship and dermatology residency training at Dartmouth-Hitchcock in 2006 and has been on clinical staff ever since.

Dr. Aaron takes great pride in providing her patients with the utmost professional, highly-skilled medical and surgical dermatologic care in a friendly, non-judgmental environment. Her practice consists mainly of teenage and adult general medical dermatology patients. Compassion, respect and maintaining an open dialog with patients is of paramount importance to Dr. Aaron and her entire team. They would love for your visit with them to be the best part of your day!

In addition to her clinical practice, Dr. Aaron is the course director of the dermatology course at Geisel School of Medicine at Dartmouth, which trains medical students in dermatology concepts in their pre-clinical years.

New Hampshire Magazine has named Dr. Aaron one of New Hampshire's Top Doctors for several years in a row. She is author of several dermatology-related chapters in both the patient-centered and professional versions of the Merck Manual.

Professional Interests:

General Dermatology
Skin Cancer
Melanoma
Dermoscopy

Personal Interests:

Traveling, Cooking and Exercise

Selected Publications:

Aaron DM, Dinulos JGH, Storm CA. Bilateral plantar nodules in an infant. Arch Derm. 2005; 141:1161-1166.

Zug KA, Aaron DM, MacKenzie T. Baseline quality of life as measured by Skindex-16+5 in patients presenting to a referral center for patch testing. Dermatitis. 2009; 20(1):21-8.

Meyer A, Aaron DM, Guill M, Perry A. Erythematous Reticular Patches: A Rare Presentation of Mid-Dermal Elastolysis. J Am Acad Derm. Published on-line Nov 2011.

DOROTHEA BARTON, MD

ASSOCIATE PROFESSOR OF DERMATOLOGY



Undergraduate:

Stanford University

Medical School:

Dartmouth Medical School

Internship:

Dartmouth-Hitchcock Medical Center, Internal Medicine

Residency:

Dartmouth-Hitchcock Medical Center, Dermatology

Fellowship:

Dartmouth-Hitchcock Medical Center, Dermatopathology

Dr. Barton completed her residency in Dermatology at Dartmouth-Hitchcock in 2011 and fellowship in Dermatopathology at Dartmouth-Hitchcock in 2013, and has been a staff physician ever since. She is the Co-founder and Co-Director of the multidisciplinary Dermatology-Rheumatology Clinic and serves as the Section Chief of Complex Medical Dermatology at DHMC.

She is the author of numerous peer reviewed publications in the areas of her research interests, which include dermatologic manifestations of rheumatologic and autoimmune disease, dermato-epidemiology, and the histologic, molecular and clinical manifestations of skin cancer. She is involved in active collaborations with basic science faculty at Dartmouth, and is a co-investigator on several grants including an NIH funded study investigating the inflammatory pathways in autoimmune skin disease. In addition, she loves to teach medical students, residents and fellows, and has been honored to mentor students and residents at DH.

At the heart of her research, educational and leadership efforts, is her love of clinical medicine. Her work revolves around her patients – their problems and their care, which is centered in her busy and active clinical practice.

Professional Interests:

Autoimmune skin disease including dermatomyositis, lupus and scleroderma, Complex Medical Dermatology, Dermatopathology, Dermatoepidemiology

Personal Interests:

Ultramarathon running, Ceramics, Raising Twins

Selected Publications:

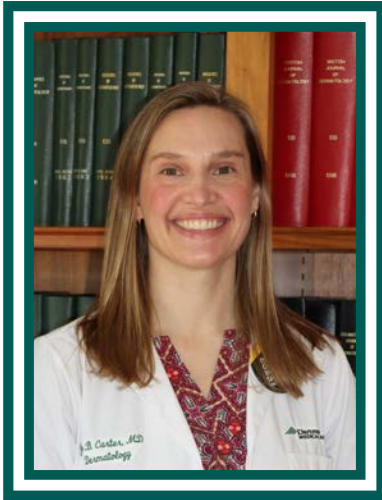
Barton DT, Zens MS, Marmarelis EL, Gilbert-Diamond D, Karagas MR. Cosmetic Tattooing and Early Onset Basal Cell Carcinoma: A Population-based Case-Control Study from New Hampshire. *Epidemiology*. 2020;31: 448-450.

LeBlanc RE, **Barton DT** (equally contributing authors), Li Z, Angeles CV, Ernstoff MS, Bagley E, Wimmer D, Wong SL, Barth RJ Jr, Shirai K, Yan S. Small and Isolated Immunohistochemistry-positive Cells in Melanoma Sentinel Lymph Nodes Are Associated With Disease-specific and Recurrence-free Survival Comparable to that of Sentinel Lymph Nodes Negative for Melanoma. *Am J Surg Pathol*. 2019;43: 755-765.

Barton DT, Zens MS, Nelson HH, Christensen BC, Storm CA, Perry AE, Karagas MR. Distinct Histologic Subtypes and Risk Factors for Early Onset Basal Cell Carcinoma: A Population-Based Case Control Study from New Hampshire. *J Invest Dermatol*. 2016;136: 533-535

JOI CARTER, MD

ASSOCIATE PROFESSOR OF DERMATOLOGY DERMATOLOGY RESIDENCY PROGRAM DIRECTOR



Undergraduate:

College of the Holy Cross

Medical School:

Dartmouth Medical School

Internship:

Beth Israel Deaconess Medical Center, Internal Medicine

Residency:

Dartmouth-Hitchcock Medical Center, Dermatology

Fellowship:

Brigham and Women's Hospital and Dana Farber Cancer Institute, Cutaneous Oncology

Dr. Carter completed residency in Dermatology at Dartmouth Hitchcock Medical Center and pursued specialty training via Cutaneous Oncology Fellowship at Dana Farber Cancer Center/Brigham and Women's Hospital. In 2015 she returned to her roots in New Hampshire and joined the Dermatology faculty at DHMC and Geisel School of Medicine at Dartmouth. At DHMC she participates in the multidisciplinary cutaneous lymphoma clinic and is co-founder of the first High Risk Skin Cancer Clinic at DHMC. In addition, she is the Residency Program Director for Dermatology Residents.

My dermatology practice focuses on skin cancer. In particular, I see patients with rare lymphomas of the skin (cutaneous T cell lymphoma or cutaneous B cell lymphoma) as well as patients who are at high risk of developing skin cancer due to either a suppressed immune system (organ transplant recipients or patients with chronic lymphocytic leukemia) or other genetic factors. I enjoy collaborating with other specialists to provide coordinated multidisciplinary care and working with patients to create a skin cancer management and prevention plan that best fits their needs.

I am a member of the United States Cutaneous Lymphoma Consortium as well as the International immunosuppression and Transplant Skin Cancer Collaborative and continue to actively collaborate with physicians who have similar interests. I am grateful to be able to develop relationships with and learn from my patients over time, teach residents and medical students about rare skin disorders, and participate in research to help advance our knowledge within the field of cutaneous oncology. "

Professional Interests:

Cutaneous Oncology, Cutaneous T cell lymphoma, Cutaneous B cell lymphoma, High risk skin cancer, Cutaneous care of transplant recipients, Melanoma

Personal Interest:

Hiking, Snowshoeing, Volleyball, Spending time with family

Selected Publications:

Clark RA, Watanabe R, Teague JE, Schlapbach C, Tawa MC, Adams N, Dorosario AA, Chaney KS, Cutler CS, Leboeuf NR, **Carter JB**, Fisher DC, Kupper TS. Skin effector memory T cells do not recirculate and provide immune protection in alemtuzumab treated CTCL patients. *Sci Transl Med*. 2012 Jan 18;4(117):117ra7

Carter JB, Johnson MM, Chua TL, Karia PS, Schmults CD. Outcomes of primary cutaneous squamous cell carcinoma with perineural invasions: an 11-year cohort study. *JAMA Dermatol*. 2013 Jan;149(1):35-41.

Olsen EA, Hodak E, Anderson T, **Carter JB**, Henderson M, Cooper K, Lim HW. Guidelines for phototherapy of mycosis fungoides and Sezary syndrome: A consensus statement of the United States Cutaneous Lymphoma Consortium. *J Am Acad Dermatol*. 2016 Jan; 74(1): 27-58

M. SHANE CHAPMAN, MD, MBA

PROFESSOR AND INAUGURAL CHAIR OF DERMATOLOGY

**Undergraduate:**

Tulane University

Medical School:

University of Texas Medical School at Houston (McGovern)

Internship:

University of Texas at Houston Medical School, Internal Medicine

Residency:

Dartmouth-Hitchcock Medical Center, Dermatology

Masters:

Massachusetts Institute of Technology, Masters of Business Administration

Dr. Chapman is a Professor of Dermatology and became the inaugural chair of the “new” Department of Dermatology in 2020. Improving clinical operations, patient experience and employee experience in the ambulatory clinic is a passion and obsession. He specializes in inflammatory diseases of the skin, including psoriasis, atopic dermatitis and pyoderma gangrenosum. He is also focused on the enhancement of photodynamic therapy of the skin for skin cancer, as well as topical immunotherapy for melanoma.

New Hampshire Magazine has named Dr. Chapman one of New Hampshire’s Top Doctors for several years. He is the co-author of the best-selling dermatology text book *Skin Disease: Diagnosis and Treatment*, now in its 4th edition.

Professional Interests:

Psoriasis and Complex Inflammatory Skin Disease, Immunotherapy of Melanoma, Photodynamic Therapy, Laser Therapy

Personal Interests:

Family, Running, Cycling, Gardening, Travelling and Stonewall Building

Selected Publications:

Collins L, Carter J, **Chapman M.S.** Cutaneous Adverse Effects of the Immune Checkpoint Inhibitors. *Current Problems in Cancer* 2017;41:125-28. PMID:28190531

Ruiz, AJ, LaRochelle EPM, Gunn JR, Hull SM, Hasan T, **Chapman M.S.** Pogue BW. Smartphone fluorescence imager for quantitative dosimetry of Protoporphyrin IX based photodynamic therapy in skin,” *Journal of Biomedical Optics* 2020;25:14 pages.

Chambers M, Baker C, Swetter SM, Baker C, Saunders MS, **Chapman M.S.** Topical Imiquimod for Lentigo Maligna: Survival Analysis of 103 Cases With 17 Years Follow-up. *Journal of Drugs in Dermatology* 2021;20:346-348. PMID: 33683087

ALICIA DAGROSA, MD, MBA

ASSISTANT PROFESSOR OF DERMATOLOGY AND MEDICAL STUDENT EDUCATION

**Undergraduate:**

Boston College

Medical School:

Geisel School of Medicine at Dartmouth College

Masters:

Tuck School of Business at Dartmouth College, Masters of Business Administration

Internship:

Dartmouth-Hitchcock Medical Center, Internal Medicine

Residency:

Dartmouth-Hitchcock Medical Center, Dermatology

Dr. Dagrosa joined the dermatology faculty at DHMC in 2021. She has clinics at both the DHMC Heater Road facility as well as the Alice Peck Day Multi-Specialty Clinic. Her clinical interests within adult medical dermatology and hospital consultative dermatology are broad and include the diagnosis and management of inflammatory, infectious, immune, and neoplastic diseases of the skin. She is the section chief of hospital dermatology and the director of medical education for the department of dermatology. She is also the co-director of the preclinical dermatology course at the Geisel School of Medicine and is involved with the MD-MBA program at Geisel and Tuck.

Professional interests:

General dermatology, Complex medical dermatology, Hospital dermatology, Medical education

Personal Interests:

Skiing, Running, Camping and Hiking

Selected Publications:

Dagrosa AT, Fraser LW, Linos KD, Sriharan A, Albert DA, Mann JA. Pachydermodactyly associated with extensive computer gaming: a report of three cases. *Pediatr Dermatol*, July 2020. PMID: 32639038

Dagrosa AT, Cowdrey MCE, LeBlanc RE, Lansigan F, Kaur P, Carter JB. "Adenopathy and Extensive Skin Patch Overlying a Plasmacytoma (AESOP) with Unusual Histologic Findings in a Patient with POEMS Syndrome and Castleman Disease." *Journal of Cutaneous Pathology* 2019;46(10):784-789. PMID: 31119772.

Dagrosa AT, Elston DM. "What's eating you? Head lice (*Pediculus humanus capitis*)." *Cutis* 2017; 100(6):389-392. PMID: 29360900.

JONATHAN GLASS, MD

ASSISTANT PROFESSOR OF DERMATOLOGY

**Undergraduate:**

Haverford College

Medical School:

Weill Medical College of Cornell University

Internship:

National Naval Medical Center Bethesda, Maryland / Walter Reed
National Military Hospital

Dermatology Residency:

University of Texas Southwestern Medical Center

Military Service:

US Navy (2003-2007, 2010-2015)

Dr. Glass is a General Dermatologist. He joined staff at Dartmouth-Hitchcock Medical Center in 2015. Prior he served as an officer and Dermatologist in the US Navy providing General Dermatology Care; a specialist consultant in Tropical Dermatology; and program director for epidemiology of epidemic infectious diseases in southeast Asia.

At Dartmouth Health, he practices General Dermatology and has specialty clinic with Allergic Contact Dermatitis/Occupational Dermatitis. He is principal and sub-investigator on clinical trials in advanced therapeutics for psoriasis and atopic dermatitis. He leads projects in advancing community outreach in the Upper Valley through telehealth and developing international dermatology epidemiology and outreach projects.

He has particular clinical interest in skin cancers, tropical dermatology, warts, atopic dermatitis, allergic contact dermatitis, occupational dermatology, psoriasis and hidradenitis suppurativa

Professional Interests:

Tropical Dermatology/Infectious Diseases, Allergic contact dermatitis, Psoriasis, Atopic Dermatitis, Skin Cancer - Melanoma and Non-melanoma Skin Cancers and Management, Cutaneous Warts, Hidradenitis Suppurativa, Occupational Dermatology, Telehealth / Community Outreach Dermatology, Global Health/International Dermatology, Clinical Trials

Personal Interests:

Fly Fishing, Sailing, Photography and Cooking Indonesian, Asian and Japanese Cuisine

Selected Publications:

Chan CX, Simmons BJ, Call JE, Yan S, **Glass JS**, Chapman MS "Cutaneous leishmaniasis successfully treated with miltefosine." *Cutis*. 2020 Oct;106(4):206-209. doi: 10.12788/cutis.0086.

Daugherty A, **Glass JS**, Sorrells T. "Agminated papules on the neck." *Cutis*. 2018 Sep;102(3):E5-E7.

Simmons BJ, LeBlanc RE, **Glass JS**. "Intertriginous mastocytosis: a rare presentation of an uncommon disease." *Int J Dermatol*. 2019 Jul;58(7):852-853. doi: 10.1111/ijd.14166. Epub 2018 Aug 6.

MATTHEW HAYDEN, MD, PHD

ASSISTANT PROFESSOR OF DERMATOLOGY



Undergraduate:

Oberlin College

Medical School:

Yale School of Medicine

Graduate School:

Yale School of Medicine (Doctor of Philosophy)

Post-Doctorate:

Columbia University Medical Center

Dr. Hayden received his B.A. in 1994 in biology from Oberlin College, Oberlin OH. In 1998 he joined the Gladstone Institute of Virology and Immunology as a research assistant exploring HIV drug resistance and viral fitness. In 2000 he entered the MSTP at Yale School of Medical, performing doctoral research in the Department of Immunobiology. Dr. Hayden did post-doctoral research at Columbia University, before becoming an Assistant Professor in the Departments of Dermatology and Microbiology & Immunology at Columbia University Medical Center, where he served as the George Henry Fox Assistant Professor of Dermatology and Columbia University Medical Center. Dr. Hayden joined the Dermatology Department at Dartmouth Health and Geisel School of Medicine in 2017.

Personal Interests:

Gardening, Cooking, Sailing and Tinkering

Selected Publications:

Carneiro FRG, Lepelley A, Seeley JJ, **Hayden MS**, Ghosh S An Essential Role for ECSIT in Mitochondrial Complex I Assembly and Mitophagy in Macrophages. *Cell Rep.* 2018 Mar 6;22(10):2654-2666

Grinberg-Bleyer Y, Caron R, Seeley JJ, De Silva NS, Schindler CW, **Hayden MS**, Klein U, Ghosh S The Alternative NF- κ B Pathway in Regulatory T Cell Homeostasis and Suppressive Function. *J Immunol.* 2018 Apr 1;200(7):2362-2371.

Oh H, Grinberg-Bleyer Y, Liao W, Maloney D, Wang P, Wu Z, Wang J, Bhatt DM, Heise N, Schmid RM, **Hayden MS**, Klein U, Rabadan R, Ghosh S An NF- κ B Transcription-Factor-Dependent Lineage-Specific Transcriptional Program Promotes Regulatory T Cell Identity and Function. *Immunity.* 2017 Sep 19;47(3):450-465.e5

MANUEL IRIONDO, MD

ASSISTANT PROFESSOR OF DERMATOLOGY



Undergraduate:

University of Texas

Medical School:

Texas Tech University School of Medicine

Internship:

Methodist Hospitals of Dallas (Internal Medicine)

Residency:

Texas Tech University School of Medicine, Dermatology

Fellowship:

University of Wisconsin Hospital and Clinics, Mohs Surgery

Dr. Iriondo attended Texas Tech University School of Medicine from 1978-1982. After his internship year at Methodists Hospital in Dallas, TX, Dr. Iriondo began a 3 year Dermatology Residency at Texas Tech University School of Medicine. He then moved on to do a Mohs fellowship under Dr. Frederic Mohs in Madison, Wisconsin.

Upon Completion of the Mohs fellowship, Dr. Iriondo became an Assistant Professor at the University of Miami. Dr. Iriondo later became Chief of Mohs Surgery at Boston University School of Medicine, Roger Williams Hospital in Providence, Rhode Island.

Dr. Iriondo joined Dartmouth Health in 2020. He moved to New Hampshire from Florida to be closer to his daughter who attends college at New York University.

Professional Interests:

Patient Care and Wound Healing

Personal Interest:

History, Guitar and Piano

MATTHEW LEBOEUF, MD, PHD.

ASSISTANT PROFESSOR OF DERMATOLOGY

**Undergraduate:**

The Johns Hopkins University

Medical School:

University of Pennsylvania School of Medicine

Post Doctorate:

University of Pennsylvania School of Medicine

Residency:

Hospital of the University of Pennsylvania

Fellowship:

University of Vermont Medical Center, Mohs Surgery

Dr. LeBoeuf completed his medical and post-doctorate degrees at the University Of Pennsylvania School Of Medicine. He subsequently completed his residency in Dermatology at the Hospital of the University of Pennsylvania and a Mohs Micrographic Surgery fellowship at the University of Vermont Medical Center. Dr. LeBoeuf specializes in the removal of skin cancers using the Mohs Micrographic Surgery allowing complete tumor clearance while limiting the amount of normal surrounding tissue removed. His clinical interests include treatment of advanced skin cancers and facial reconstruction. Since joining DHMC Dr. LeBoeuf has completed over 5000 Mohs Micrographic Surgeries and subsequent reconstructions. Dr. LeBoeuf enjoys the team approach provided through the Mohs Micrographic Surgery procedure and strives to minimize the stress and anxiety often associated with surgical procedures. Dr. LeBoeuf has worked closely with multiple members of the Dartmouth Health Mohs team to create a closely knit team environment that enhances the patient experience and surgical outcomes.

Dr. LeBoeuf's research interests are focused on methods to improve tumor margin analysis and tumor clearance including the use of machine learning and artificial intelligence to accomplish this. This involves application of Mohs Micrographic Surgery methodologies to build a model system that allows for accurate and efficient evaluation of tumor margins for the presence or absence of tumor and subsequent tumor mapping. Dr. LeBoeuf has also developed and published a quantitative approach to study and ensure quality in the Mohs Micrographic Surgery histology lab further ensuring excellent patient outcomes.

Professional Interests:

Reconstruction of post-Mohs Micrographic Surgery defects, Removal of advanced and complex skin cancers using Mohs, Micrographic Surgery, Dartmouth Dermatology Resident surgical training and procedural excellence, Digital pathology, artificial intelligence, 3D tumor modeling, Synergistic use of in vivo imaging and machine learning driven algorithms for tumor margin analysis, The role of the medical assistant in Mohs Micrographic Surgery and Dermatologic Surgery

Personal Interests:

Exercising, Cooking and Coaching

ROBERTA LUCAS, MD

INSTRUCTOR OF DERMATOLOGY



Undergraduate:

Siena College

Medical School:

Albany Medical College

Internship:

Medical College of Virginia, Internal Medicine)

Residency:

Cook County Hospital, Dermatology

Dr. Lucas is the Section Chief of Cosmetic Dermatology. She provides medical and cosmetic dermatologic care with a focus on healthy skin barrier function. She has expertise in the use of lasers, fillers, neurotoxins and cosmeceuticals for skin rejuvenation.

Dr. Lucas believes that at any age, glowing, healthy skin contributes meaningfully to a person's overall well-being. Her philosophy of care focuses on promoting, developing, and maintaining skin health for all of her patients. As both a cosmetic and medical dermatologist, Dr. Lucas approaches skin disease and skin performance with the goal of maximizing health potential, rather than just controlling disease. Dr. Lucas' expertise in the use of lasers, fillers, neurotoxins, cosmeceuticals, and other skin rejuvenating procedures allows her to address problem areas while safeguarding healthy skin. She also educates patients on skin fitness to help them control the day-to-day look, feel, and function of their skin. When patients are knowledgeable and empowered in the care of their skin, the doctor-patient partnership can achieve excellent results.

Professional Interests:

pH and skin barrier function, Lasers, Fillers and Neurotoxins

Personal Interests:

Spending time with family, Mindfulness and Meditation, Fitness and Nutrition

JULIANNE MANN, MD

ASSOCIATE PROFESSOR OF DERMATOLOGY AND PEDIATRICS

**Undergraduate:**

Williams College

Medical School:

Dartmouth Medical School

Internship:

New York University, Pediatrics

Residency:

Oregon Health and Science University

Fellowship:

Oregon Health and Science University, Pediatric Dermatology

Dr. Mann is a board-certified pediatric dermatologist who specializes in all aspects of pediatric dermatology including genetic skin diseases (genodermatoses), inflammatory skin conditions (atopic dermatitis, psoriasis, acne), autoimmune skin diseases (vitiligo, lichen sclerosus, cutaneous lupus), vascular birthmarks (infantile hemangiomas, port wine birthmarks, venous and lymphatic malformations), alopecia (hair loss), and pigmented birthmarks (congenital melanocytic nevi) in infants, children, and adolescents. Dr. Mann has specialized pediatric dermatologic surgical training and performs surgeries both at Heater Road and at the Outpatient Surgery Center. Dr. Mann is also the director of quality and patient safety in the department of dermatology. She sees pediatric patients in person at Heater Rd, as well as virtually through our Zoom-based Telehealth platform.

Dr. Mann has authored numerous peer-reviewed articles as well as chapters in the seminal pediatric dermatology textbooks Harper's Textbook of Pediatric Dermatology (2019) and Severe Skin Disease in Children: Beyond Topical Therapy (2014). She lectures regularly at regional and national academic meetings and was voted a New Hampshire "Top Doc" in New Hampshire Magazine by her physician peers for 2 years in a row (2020 and 2021). She is a member of the Society for Pediatric Dermatology (SPD), the Pediatric Dermatology Research Alliance (PeDRA), the American Academy of Dermatology, and the New England Dermatological Society.

Professional Interests:

Infantile hemangiomas, Port wine stains and other vascular malformations, Genetic skin diseases, Atopic dermatitis and Pediatric Psoriasis, Congenital nevi and other birthmarks, Quality and patient safety, Telehealth for improving access to pediatric dermatologic care

Personal Interests:

Hiking and trail running, Nordic skiing, Mountain biking, Gardening, Coaching youth field hockey

Selected Publications:

Hamann CR, Duprat G, Dargosa AT, **Mann JA**. Desktop Dermatitis: A case series of 7 patients with forearm contact dermatitis from frequent surface cleaning. Contact Dermatitis 2021 Nov-Dec 01; 32(6): e104-e107.

Yarbrough KB, Tollefson MM, Krol AL, Leitenberger SL, **Mann JA**, MacArthur CJ. Is Routine Electrocardiography Necessary Before Initiation of Propranolol for Infantile Hemangiomas? Pediatr Dermatol 2016 Nov; 33(6): 615-620.

Mann JA, Siegel DH, Krol AL, Rauen KA. Dermatological phenotype in Costello syndrome: consequences of Ras dysregulation in development. Br J Dermatol 2012 Nov-Dec: 31(6): 716-21.

Lynnette Margesson, MD

Adjunct Assistant Professor of Dermatology and Obstetrics and Gynecology

**Undergraduate:**

University of Western Ontario, London, Ontario, Canada

Medical School:

University of Western Ontario School of Medicine, London, Ontario, Canada

Internship:

St. Joseph's Hospital, Hamilton, Ontario, Canada

Residency:

University of Toronto, Dermatology

Fellowship:

Royal College of Physicians and Surgeons of Canada, Dermatology

Dr. Margesson is Adjunct Assistant Professor of Obstetrics and Gynecology and Dermatology at Geisel School of Medicine at Dartmouth. She has held a vulvar clinic at the Dartmouth-Hitchcock Medical Center monthly in the Department of Obstetrics and Gynecology with Dr. D. Birenbaum for over 21 years. She is very active in vulvar teaching, lecturing locally, nationally and internationally, is active in the International Society for the Study of Vulvovaginal Disease (ISSVD). She is the author of two textbooks on vulvar disease and has been a contributor to several others.

She was on the teaching staff at Queens University, Kingston, Ontario, Canada from 1976 until 1997 where she started the first combined vulvar teaching clinic in Canada with the Department of Obstetrics and Gynecology. She moved to New Hampshire in 1997 and was in private practice there in dermatology and vulvovaginal diseases, with her dermatologist husband, Dr. William Danby, for 20 years. She is now semi-retired and resides in Maine. She now holds the combined vulvar clinic at the Dartmouth-Hitchcock Heater Road building, monthly, now in the Department of Dermatology with Dr. D. Birenbaum. Dr. Margesson continues to be committed to promoting vulvar education and awareness of vulvar conditions.

Professional Interests:

Promoting better understanding of the medical conditions affecting the vulvovaginal area to improve the lives of these patients

Personal Interests:

Family, skiing and riding horses

Selected Publications:

Margesson LJ. Vulvar disease pearls. *Dermatol Clin*. 2006 Apr;24(2):145-55

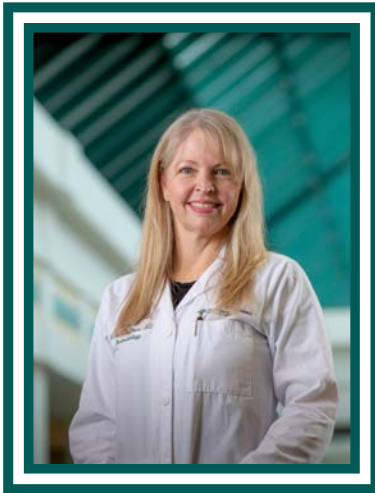
Margesson LJ. Contact dermatitis of the vulva. *Dermatol Ther*. 2004;17(1):20-7.

Margesson LJ, Danby FW. Hidradenitis suppurativa. *Best Pract Res Clin Obstet Gynaecol*. 2014 Oct;28(7):1013-27.

Reichman O, Margesson LJ, Rasmussen CA, Lev-Sagie A, Sobel JD. Algorithms for Managing Vulvovaginal Symptoms—a Practical Primer. *Curr Infect Dis Rep*. 2019 Oct 8;21(10):40.

NICOLE PACE, MD

ASSISTANT PROFESSOR OF DERMATOLOGY AND PEDIATRICS

**Undergraduate:**

University of Texas at Austin

Medical School:

University of Texas at Houston Medical School (McGovern)

Internship:

University of Texas at Houston Medical Center, Pediatrics

Residency:

Dartmouth-Hitchcock Medical Center, Dermatology

Fellowship:

Dartmouth-Hitchcock Medical Center, Pediatric Dermatology

Nicole Pace, MD is an Assistant Professor of Dermatology and Pediatrics at the Geisel School of Medicine at Dartmouth. She sees both adult and pediatric patients and has special interest in Hair Disorders, Global healthcare and Gender-based patient care. She attended college at the University of Texas, in Austin, then received her medical degree from the University Of Texas Medical School at Houston (McGovern School of Medicine). She completed her Dermatology Residency in 2005 and Pediatric Dermatology Fellowship in 2006 at the Dartmouth-Hitchcock Medical Center.

Dr. Pace has lectured locally and nationally on various dermatologic topics. She has authored several book chapters and peer reviewed journal articles. Teaching and mentoring dermatology residents has always been a major focus of her career.

Dr. Pace has been the Director of Continuing Medical Education for the Department of Dermatology for more than 10 years. She has coordinated and implemented several Dermatology hosted meetings held in the Upper Valley. She is a member of the American Academy of Dermatology and the Women's Dermatological Society, as well as the New Hampshire Dermatology Society and New England Dermatologic Society.

Professional Interests:

Pediatric Dermatology, Disorders of Hair, Gender based Dermatology

Personal Interests:

Traveling, Running and Spending time with my spouse and children

Selected Publications:

Bullous Kaposiform Hemangioendothelioma Masquerading as Aplasia Cutis Congenita. Steen AJ, Shin JH, **Pace NC**, Edgar M, Clay MR, Linos K, Barton DT, Mann JA. *Pediatr Dermatol*. 2016 Sep;33(5):e267-9. doi: 10.1111/pde.12890. Epub 2016 Jun 24. PMID: 27339319

Spontaneous Hair Repigmentation in an 80-Year-Old Man: A Case of Melanoma-Associated Hair Repigmentation and Review of the Literature. Chan C, Magro CM, Pham AK, LeBlanc RE, Yan S, Barton DT, **Pace NC**, Chapman MS, Momtahan S. *Am J Dermatopathol*. 2019 Sep;41(9):671-674. doi: 10.1097/DAD.0000000000001353. PMID: 30730394 Review.

Representation of women in pediatric dermatology leadership and research: Trends over the past 45 years. Baker C, Dwan D, Fields A, Mann JA, **Pace NC**, Hamann CR. *Pediatr Dermatol*. 2020 Sep;37(5):844-848. doi: 10.1111/pde.14266. Epub 2020 Jul 9. PMID: 32643789

JILLIAN RORK, MD

CLINICAL ASSISTANT PROFESSOR OF DERMATOLOGY AND PEDIATRICS

**Undergraduate:**

Dartmouth College

Medical School:

Harvard Medical School

Internship:

Massachusetts General Hospital, Pediatrics

Residency:

University of Massachusetts, Dermatology

Fellowship:

University of Massachusetts, Pediatric Dermatology

Dr. Rork is a board-certified pediatric dermatologist who specializes in all aspects of pediatric dermatology including inflammatory skin conditions (acne, atopic dermatitis, psoriasis, hidradenitis suppurativa), viral infections (warts, molluscum), autoimmune skin conditions (vitiligo, morphea, cutaneous lupus), alopecia (hair loss), genetic skin conditions (epidermolysis bullosa, ichthyosis), vascular birthmarks (infantile hemangiomas, port wine birthmarks), and pigmented birthmarks (congenital melanocytic nevi). She has specialized training in procedural dermatology, including skin biopsies and laser treatments in pediatric patients. Dr. Rork sees patients at 100 Hitchcock Way in Manchester, NH.

Dr. Rork has a specific clinical and research interest in the many dermatologic conditions in people with Down syndrome. She has a specialty clinic for both pediatric and adult patients with Down syndrome at least once monthly. She has authored numerous peer-reviewed articles on dermatologic conditions in people with Down syndrome. She is co-director of the Pediatric Dermatology Research Alliance (PeDRA) Down syndrome subgroup and is leading several national research studies on skin conditions and quality of life in people with Down syndrome. She lectures regularly at regional and national academic meetings. She is a member of the Society for Pediatric Dermatology (SPD), Pediatric Dermatology Research Alliance (PeDRA), American Academy of Dermatology (AAD), New England Dermatological Society (NEDS), and Down syndrome Medical Interest Group (DSMIG) USA.

Professional Interests:

Dermatologic conditions in individuals with Down syndrome, Genetic skin diseases, Infantile hemangiomas, Port wine birthmarks, Atopic dermatitis, Acne, Hidradenitis suppurativa, Psoriasis

Personal Interests:

Getting outside, Playing saxophone in a local band, Fly fishing, Reading, Cooking, Jigsaw puzzles

Selected Publications:

Ryan C, Vellody K, Belazarian L, **Rork JF**. Dermatologic conditions in Down syndrome. *Pediatr Dermatol*. 2021 Nov;38 Suppl 2:49-57. doi: 10.1111/pde.14731. Epub 2021 Aug 21. PMID: 34418156.

Rork JF, McCormack L, Lal K, Wiss K, Belazarian L. Dermatologic conditions in Down syndrome: A single-center retrospective chart review. *Pediatr Dermatol*. 2020 Sep;37(5):811-816. doi: 10.1111/pde.14214. Epub 2020 Jun 10. PMID: 32519435.

Rork JF, Huang JT, Gordon LB, Kleinman M, Kieran MW, Liang MG. Initial cutaneous manifestations of Hutchinson-Gilford progeria syndrome. *Pediatr Dermatol*. 2014 Mar-Apr;31(2):196-202. doi: 10.1111/pde.12284. Epub 2014 Jan 24. PMID: 24456199; PMCID: PMC4130100.

BRIAN SIMMONS, MD

ASSISTANT PROFESSOR OF DERMATOLOGY



Undergraduate:

University of Florida

Medical School:

University of Miami Miller School of Medicine

Internship:

Orange Park Medical Center, Internal Medicine

Residency:

Dartmouth-Hitchcock Medical Center, Dermatology

Dr. Simmons specializes in the treatment of inflammatory diseases of the skin such as: psoriasis, atopic dermatosis, and blistering inflammatory skin diseases. Other areas of focus are complex medical dermatology, skin cancer diagnosis and treatment, use of biologics and cosmetic dermatology. He is a co-author on over 55 peer reviewed publications, some in high impact journals such as the Journal of Investigative Dermatology, JAMA Dermatology and Journal of the European Academy of Dermatology, author on multiple book chapters in a wide array of dermatologic topics and is active in multiple dermatology clinical trials at Dartmouth Health.

Dr. Simmons is the director of social media and website and oversees the department of dermatology website design and social media outreach, is the director of clinical trials, and is director of the Immunobullous specialty clinic

Professional Interests:

General Dermatology, Complex Medical Dermatology, Immunobullous Diseases, Cosmetic Dermatology

Personal Interests:

Downhill Skiing, Traveling Abroad, Water Sports, Fishing, Scuba Diving

Selected Publications:

Simmons BJ, Liu X, Guill MA, LeBlanc RE . Sarcoidosis with small syringotropic granulomas presenting clinically as a pigmented purpuric dermatosis: Inconspicuous clinical and histopathological clues to systemic illness

J Cutan Pathol. 2020 Aug;47(8):755-757. doi: 10.1111/cup.13692. Epub 2020 Apr 3.

Badin DJ, Baker C, **Simmons BJ**, Yan S, Zug KA

The elusive nature of mucormycosis in an immunocompetent host and the role of a dermatology consult. Clin Case Rep. 2019 Nov;7(11):2187-2189. doi: 10.1002/ccr3.2479. Epub 2019 Oct 2.

Maranda EL, Lim VM, Taneja R, **Simmons BJ**, Kallis PJ, Jimenez JJ

Witches and Warts AMA Dermatol. 2016 Aug 1;152(8):877. doi: 10.1001/jamadermatol.2015.4419.

NATALIE VILLA, MD

ASSISTANT PROFESSOR OF DERMATOLOGY

**Undergraduate:**

Yale University

Medical School:

David Geffen School of Medicine at the University of California at Los Angeles

Internship:

Olive View-UCLA Medical Center, Internal Medicine

Residency:

University of California at Los Angeles, Dermatology

Dr. Villa is thrilled to return to New England and join the faculty at Dartmouth-Hitchcock after completing her dermatology training at UCLA in 2021. She enjoys all aspects of medical dermatology, and is interested in treating patients with complex skin issues as well as routine skin conditions. In her free time, Dr. Villa enjoys hiking and skiing.

Professional Interests:

General Dermatology, Acne vulgaris, Hidradenitis Suppurativa, Complex medical dermatology

Personal Interests:

Hiking, Skiing

Selected Publications:

Seivright JR, Villa NM, Grogan T, et al. Impact of pregnancy on hidradenitis suppurativa disease course: a systematic review and meta-analysis. *Dermatology*. Published online August 17, 2021:1-7.

Villa NM, Seivright JR, Worswick SD, Shi VY, Hsiao JL. Pityriasis rubra pilaris: a bibliometric analysis. *International Journal of Dermatology*. 2021;60(8):e326-e331.

Adelekun A, Villa N, Hsiao J, Micheletti RG. Pregnancy in hidradenitis suppurativa: patient perspectives and practice gaps. *JAMA Dermatology*. 2021;157(2):227

SPECIALTY CLINICS

1. Contact Dermatitis
2. Laser and Cosmetic Dermatology
3. Cutaneous Lymphoma
4. Dermatology-Psychiatry
5. Dermatology-Rheumatology
6. Down Syndrome
7. Hair Disorders
8. High Risk Skin Cancer
9. Hidradenitis Suppurativa
10. Immunobullous Disease
11. Mohs Micrographic Surgery
12. Pediatric Dermatology
13. Vascular Anomalies
14. Vulvar Dermatology

CONTACT DERMATITIS CLINIC



Jonathan Glass, MD

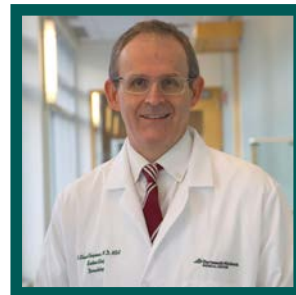
Our Contact Dermatitis & Occupational Dermatology Clinic provides consultations for the diagnosis and management of allergic contact dermatitis in adults and children. We provide an intensive consultation, testing and education service on a referral basis. We offer a full range of specialized patch tests based on occupation and exposures to help our patients identify and avoid allergens/triggers and connect with “safe” products and their providers with data to proceed with the best management direction. Our clinic also participates in clinical research to identify new allergens, tests and the epidemiology of contact dermatitis.

LASER AND COSMETIC DERMATOLOGY CLINIC

Our laser, cosmetic and aesthetic dermatology clinic offers the most advanced laser and machine technology and medical skin care available. Our procedures include lasers, skin tightening devices, fillers and neuromodulators. We also provide body contouring treatments, MiraDry for hyperhidrosis, sclerotherapy, microdermabrasion, chemical peels, and hydrofacial skin infusions. . These procedures are performed by our dermatologists registered nurses and esthetician.



Roberta Lucas, MD



M. Shane Chapman, MD, MBA

CUTANEOUS LYMPHOMA CLINIC

The cutaneous lymphoma clinic is a multidisciplinary specialty clinic designed for patients with both cutaneous T-cell and B-cell lymphomas. We offer the full spectrum of care, including chemotherapy, extracorporeal photopheresis, immunotherapy, phototherapy, radiation therapy, stem cell transplantation, and topical therapies.



Joi Carter, MD
Dermatology



Erik Lansigan, MD
Hematology-Oncology

DERMATOLOGY-PSYCHIATRY CLINIC

Our team is dedicated for the care and treatment of patients whose skin changes are linked or related to an underlying mental health condition.



Matthew Duncan, MD
Psychiatry



Sivan Rotenberg, PhD
Psychiatry



M. Shane Chapman, MD, MBA
Dermatology

DERMATOLOGY-RHEUMATOLOGY CLINIC

A specialty care clinic created to care and manage patients with autoimmune diseases with cutaneous manifestations, which includes but is not limited to: lupus, dermatomyositis, scleroderma, morphea, eosinophilic fasciitis, and psoriasis with psoriatic arthritis. We have several ongoing research studies in collaboration with basic scientists at Dartmouth Hitchcock in the areas of lupus and dermatomyositis.



Dorothea Barton, MD
Dermatology



Lin Brown, MD
Rheumatology

DOWN SYNDROME DERMATOLOGY CLINIC

This specialty clinic is the first-of-its-kind in the nation. This clinic is designed for the care and management of cutaneous manifestations in patients with Down Syndrome or Trisomy-21.



Jillian Rork, MD
Dermatology-Manchester



Catlin Yazel, APRN

HAIR DISORDERS CLINIC

Nicole Pace, MD



This specialty care clinic designed for patients who develop hair loss due to underlying autoimmune disorder, such as alopecia areata, lichen planopilaris, and frontal fibrosing alopecia.

HIDRADENITIS SUPPURATIVA CLINIC

Natalie Villa, MD



Hidradenitis suppurativa (HS) clinic focuses on the care of patients with HS. We focus on medical management including hormonal therapies, anti-microbials, and biologics, as well as bedside procedures. We help connect patients to a multitude of inter-disciplinary care offerings including weight management, smoking cessation, surgical treatment options, and wound care.

HIGH RISK SKIN CANCER CLINIC

A specialty care clinic designed for patients at high risk of developing skin cancers, such as those who are:

- Candidates for or recipients of an organ or bone marrow transplant
- Diagnosed with chronic lymphocytic leukemia (CLL) or lymphoma
- Diagnosed with four or more squamous cell skin cancers within the past 12 months
- On long-term medications that suppress the immune system
- Genetic predisposition that increases their risk of squamous cell skin cancer



Joi Carter, MD

IMMUNOBULLOUS DISEASE CLINIC

A specialty clinic that focuses on the care and management of patients with autoimmune or acquired blistering skin diseases, such as bullous pemphigoid, cicatricial pemphigoid/mucous membrane pemphigoid, dermatitis herpetiformis, epidermolysis bullosa acquisita, linear IgA bullous dermatosis, paraneoplastic pemphigus, pemphigus foliaceus, and pemphigus vulgaris



Brian Simmons, MD

MOHS MICROGRAPHIC SURGERY

Our Mohs surgeons treat common and rare skin cancers with the goal of complete removal of your skin cancer, while ensuring the best cosmetic outcome. In most cases, removal and repair can be done on the same day.



Manuel Iriondo, MD
Lebanon



Matthew LeBoeuf, MD, PhD
Lebanon

PEDIATRIC DERMATOLOGY CLINIC

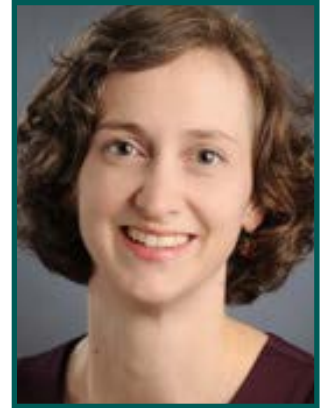
Our board-certified pediatric dermatologists provide treatment for a wide-array of skin conditions in children, including but not limited to vascular birthmarks (strawberry birthmarks), atopic dermatitis (eczema), psoriasis, molluscum, warts, acne, and genetic skin diseases. Our team takes a child-friendly approach to address both the physical aspects of skin disease and also any potential associated emotional impacts. We also work in conjunction with CHaD PainFree Program to provide surgical services if needed.



Nicole Pace, MD
Lebanon



Julianne Mann, MD
Lebanon



Jillian Rork, MD
Manchester

VULVAR DERMATOLOGY CLINIC

This clinic specializes in diagnosis and treatment of diseases of the vulva and vagina. Our focus is on the multidisciplinary approach to improve patient's health. We use our expertise for vulvar skin rashes, contact dermatitis, lichen sclerosus, lichen simplex chronicus, lichen planus, and chronic and atypical vulvar conditions.



Lynette Margesson, MD- Dermatology
Debra Birenbaum, MD-Obstetrics/Gynecology

DERMATOLOGY RESIDENTS
2022-2023

Class of 2023



GABRIELLE DUPRAT, MD PGY-3

UNDERGRADUATE:

Northwestern University, Evanston, IL

MEDICAL SCHOOL:

Indiana University School of Medicine, Indianapolis, IN

INTERNSHIP:

St. Vincent Hospital, Indianapolis, IN

CLINICAL INTERESTS:

General Dermatology, Cutaneous Oncology, Procedural Dermatology

PERSONAL INTERESTS:

Reading, spending time with family, friends and my dog, traveling, running and playing board games



MICHELLE KIM, MD PGY-3

UNDERGRADUATE:

Stanford University, Stanford, CA

MEDICAL SCHOOL:

Geisel School of Medicine at Dartmouth, Hanover, NH

INTERNSHIP:

Stoney Brook South Hampton Hospital, South Hampton, NY

CLINICAL INTERESTS:

Pediatric Dermatology

PERSONAL INTERESTS:

Listening to classical music, baking and decorating cookies, cakes and cupcakes, playing board games and making handmade greeting cards



DHRUMIL PATEL, MD PGY-3

UNDERGRADUATE:

Cornell University, Ithaca, NY

MEDICAL SCHOOL:

University of Massachusetts Medical School, Worcester, MA

INTERNSHIP:

University of Massachusetts, Worcester, MA

CLINICAL INTERESTS:

General Dermatology, Lasers, Skin Cancers and Complex Medical Dermatology

PERSONAL INTERESTS:

Hiking, movies, trying new foods, current events and trivia

Class of 2024



MATTHEW DAVIS, MD PGY-2

UNDERGRADUATE:

University of Missouri, Columbia, MO

MEDICAL SCHOOL:

University of Missouri-Columbia School of Medicine, Columbia, MO

INTERNSHIP:

Mercy Hospital, St. Louis, MO

CLINICAL INTERESTS:

Medical Dermatology, Dermatologic Surgery, Cosmetic Dermatology, Artificial Intelligence and Machine Learning in Dermatology

PERSONAL INTERESTS:

Swimming, biking, running and skiing



KAREN LY, MD

UNDERGRADUATE:

University of California, Los Angeles, CA

MEDICAL SCHOOL:

Wayne University School of Medicine, Detroit, MI

INTERNSHIP:

Olive View-UCLA Medical Center, Los Angeles, CA

CLINICAL INTERESTS:

Psoriasis, Atopic Dermatitis, Acne, Lasers, Cosmetic Dermatology

PERSONAL INTERESTS:

Traveling, Food Experiences, Reading, Dogs, yoga



ARTHUR MARKA, MD

UNDERGRADUATE:

Tufts University, Boston, MA

MEDICAL SCHOOL:

Geisel School of Medicine at Dartmouth, Hanover, NH

INTERNSHIP:

Allegheny General Hospital, Pittsburgh, PA

CLINICAL INTERESTS:

Cutaneous Oncology, High Risk Skin Cancer and General Medical dermatology

PERSONAL INTERESTS:

Hiking, gardening, fishing, painting, traveling, computer science

CLASS OF 2025



Dylan Badin, MD

UNDERGRADUATE:

University of California, Irvine, CA

MEDICAL SCHOOL:

Geisel School of Medicine at Dartmouth, Hanover, NH

INTERNSHIP:

Santa Clara Valley Medical Center, San Jose, California

CLINICAL INTERESTS:

Dermatological oncology, psoriasis, acne, laser therapy and photodynamic therapy

PERSONAL INTERESTS:

Surfing, snowboarding, Ice Hockey and Golf



David Grand, MD

UNDERGRADUATE:

New York University, New York, NY

MEDICAL SCHOOL:

Albert Einstein College of Medicine, Bronx, NY

INTERNSHIP:

Lennox Hill Hospital, New York, NY

CLINICAL INTERESTS:

Inflammatory skin diseases and rheumatologic dermatology

PERSONAL INTERESTS:

Music playlist curation, floor hockey, cycling, piano, guitar and bass guitar



Payal Shah, MD

UNDERGRADUATE:

Stanford University, Stanford, CA, California

MEDICAL SCHOOL:

New York University Grossman School of Medicine, New York, NY

INTERNSHIP:

Memorial Sloan Kettering Cancer Center

CLINICAL INTERESTS:

Basal Cell Carcinoma, Squamous Cell Carcinoma, Melanoma and Cutaneous Leukermias/Lymphomas

PERSONAL INTERESTS:

Dancing, yoga, barre, tennis, travel, fashion and interior design

DERMATOLOGY GRADUATION 2022



BASIC SCIENCE RESEARCH PROGRAM

Matt Hayden, MD, PhD Vice Chair of Research

THE HAYDEN LAB

In addition to increasing academic output, Dermatology is also growing our research footprint. The Hayden Lab has moved into a new research space within the Norris Cotton Cancer Center. The lab has hired scientists with expertise in virology and molecular biology who are leading funded research into new approaches for detecting and treating infectious diseases of the skin. This work continues to be supported through industry sponsorship and multiple institutional and extramural research grants.

Close collaboration between scientists and clinical faculty is one way to achieve transformative translational dermatology research and expand the department's research enterprise. By leveraging the lab's expertise in genetic engineering, immunology, and dermatology, we have established ongoing collaborations with investigators across DHMC, Dartmouth, the White River Junction VA, and other academic medical centers. Through these efforts, we seek to grow the research efforts of our clinical faculty and encourage other scientists at Dartmouth and D-H to use their expertise to address unmet needs in dermatology.

For example, working together with Dr. Simmons and medical student researchers, members of the Hayden Lab are using cutting-edge tools to improve dermatophyte diagnostics. This work provided preliminary data that allowed Dr. Simmons to successfully compete for the Department's first Dermatology Foundation research grant.



BASIC SCIENCE RESEARCH PROGRAM

THE LEVY LAB

Collaboration between Mohs surgeon Matthew LeBoeuf, MD, Ph.D., and faculty in Pathology has also been transformative. In addition to securing funding and upcoming publications, this work has opened a new area of research in the department and led to the recruitment of a new research faculty member. Joshua Levy, Ph.D. joined DHMC in August as an Assistant Professor of Dermatology and Pathology. Researchers in the Levy Lab aim to develop artificial intelligence technologies which can serve as nonautonomous diagnostic, prognostic, and therapeutic decision aids for practicing Dermatologists, Dermatopathologists and Pathologists. The Levy Lab's work prioritizes developing tools aligned with clinical needs: automating complex and highly repetitive tasks to reduce fatigue while improving reporting reliability. To this end, Dr. Levy has developed a technology and stakeholder "stress test" to identify technologies ready for clinical deployment. His research embraces the guiding principle that AI technologies deployed in the clinical setting should not "take jobs" but instead "take the worst parts of the job" to free the pathologists/dermatologists to explore exciting and essential topics.

As we begin our second year as a department, Dermatology Research continues to grow at Dartmouth-Hitchcock. Multiple translational research projects have evolved from the close relationships between basic science research and clinical faculty. Using Departmental Research funds, the Department has supported faculty to initiate projects that address unmet critical needs in dermatology and transition these research programs to competitive funding mechanisms. These projects support our ability to provide top-notch academic dermatology training to our Dartmouth College students, Geisel medical students, and residents. The success of these efforts was on clear display at our second annual Dermatology Research Night in March.



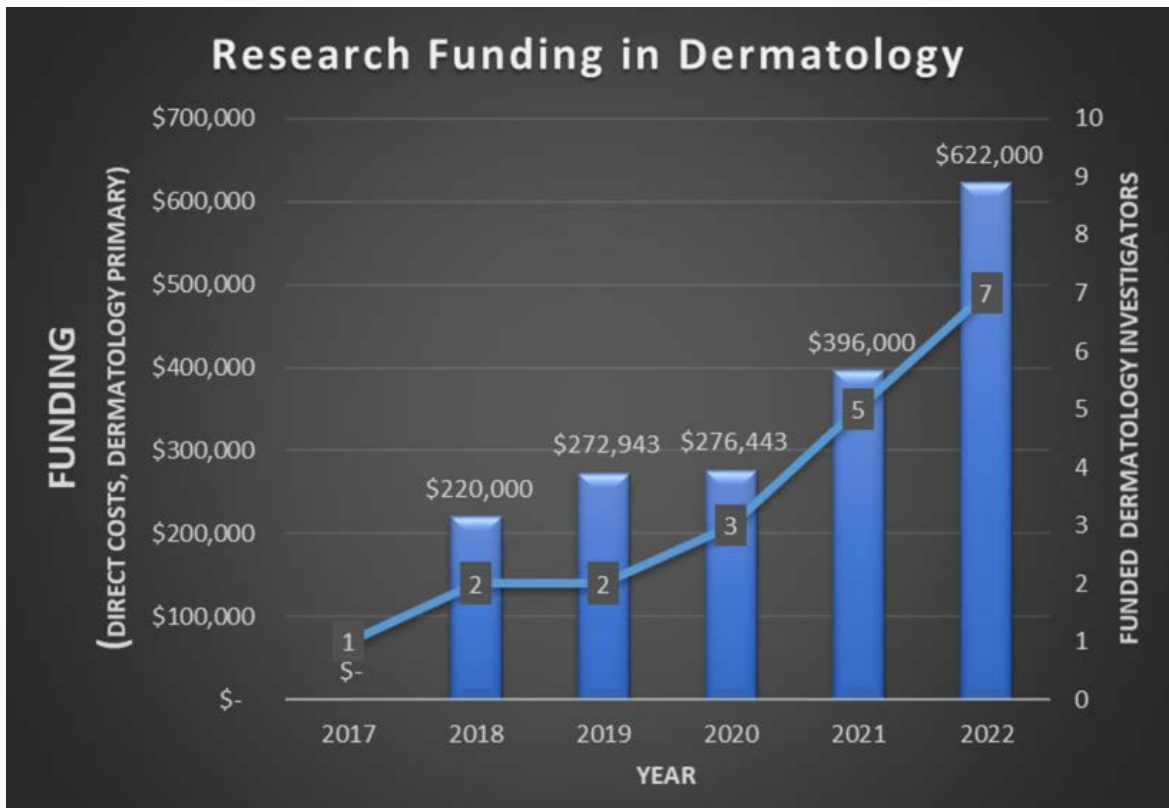
Joshua Levy, PhD

Grants and Funding

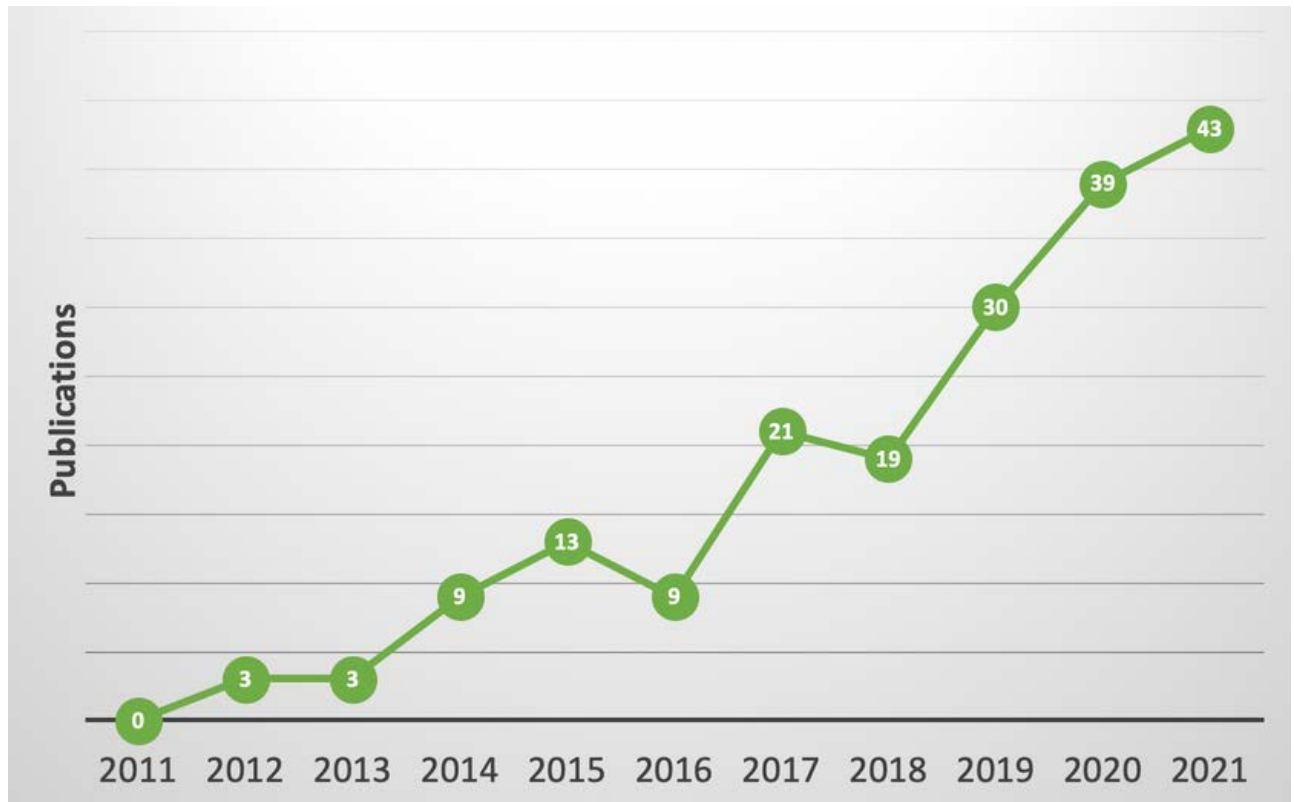
GRANTS AND OTHER FUNDING

Over this first year as a department, we have increased our publication output and the number of submitted and funded grant applications. In addition to increasing the number of faculty principal investigators (PIs) on research grants, we have joined forces with PIs across the research community resulting in more funded collaborations with Dermatology faculty as co-investigators. Investigators in the department currently serve as PIs on multiple basic and translational research grants. This includes two Norris Cotton Cancer Center Prouty Pilot grants, two NIH COBRE pilot grants, and a research grant from the Dermatology Foundation.

The rapid expansion of the total number of awards, dollars received, and, even more importantly, the number of departmental investigators demonstrates a very strong start for research in the new Department. Each of these successes furthers our mission to improve dermatology by contributing to basic, translational, and clinical dermatology research.



Publications 2011-2021



COLLABORATION WITH DERMATOLOGY AND THE DEPARTMENT OF MEDICAL EDUCATION



Nicole Borges, PhD

Integration of Foundational Sciences and
Clinical Content in Medical Student Education



Lynn Foster Johnson, PhD

Integration of Foundational Sciences and
Clinical Content in Medical Student Education

COLLABORATION WITH DERMATOLOGY AND THE THAYER SCHOOL OF ENGINEERING



Katie Hixon, PhD

Skin Tissue Engineering



Brady Hunt, PhD

Smartphone Technology in
Dermatology

COLLABORATION WITH
DERMATOLOGY AND THE DEPARTMENT
OF MICROBIOLOGY



Deb Hogan, PhD

Cutaneous Microbiome Project

CLINICAL TRIALS RESEARCH

BRIAN SIMMONS, MD, DIRECTOR OF CLINICAL TRIALS

The department continues to partake in clinical trials in a variety of disease states despite the COVID-19 pandemic. We strive to provide access for patient to trials for conditions without FDA approved treatments such as hidradenitis suppurativa, prurigo nodularis and non-invasive treatments for skin cancers. At present we have multiple open and new studies coming online in the upcoming months for disease such as: psoriasis, atopic dermatitis, Hidradenitis etc.

The clinical trials arm of the department continues to grow with the addition of a dermatology research fellow this summer and a new clinical trials coordinator. I continue to meet with both large and small pharmaceutical companies to discuss potential future clinical trials leveraging our faculty expertise and niche patient populations seen in our 12 specialty clinics. We are excited for the future to provide high quality clinical trials options to our patients and excellent data for our industry partners to bring new and exciting treatments to market



CURRENT CLINICAL TRIALS

Sponsor & Name of Study	Skin condition	Investigation Product
AbbVie M16-047	AD (ado. & older)	Oral Upadacitinib
ARGX-113-2009	Bullous Pemphigus	Efgartigimod SQ (ARGX-113)
Arcutis, ARQ-151-315	AD (2 to 5 y. old)	Topical ARQ-151 0.05% (roflumilast)
Arcutis, ARQ-151-313 OLE	AD (2 years & older)	Topical ARQ-151 0.15% and 0.05%
Target Derm	AD, HS, AA, CSU (all ages)	n/a
Amgen 20200497 (#260859)	Plaque psoriasis (18-75 y. old)	Humira (adalimumab) vs ABP 501
AbbVie, M15-997 Limmitless	Plaque psoriasis (adult)	Risankizumab (Skyrizi)
Biofrontera, ALA-BCC-CT013	sBCC (adult)	Ameluz & red light PDT
UCB Biopharma, PS0007 CIMCARE	Plaque psoriasis (6-17 y. old)	Certolizumab Pegol SQ
Akari, AK802, ARREST-BP	Bullous Pemphigoid (18-89 y. old)	Nomacopan SQ
DH, PpIX measurements		n/a
Acelyrin-HS-21102	Hidradenitis Suppurativa	Izokibep SQ
Kiniksa, KPL-716-C201	Prurigo Nodularis (18-89 y. old)	KPL-716

DERMATOLOGY RESEARCH DAY

MARCH 8, 2022

Each year the Department has a 2 hour session presenting the multiple projects, papers and research successes over the past year. Presentations range from short case reports to cutting edge technology and therapeutic improvements. Presenters are Geisel medical students, our own residents and Faculty as well as others from outside of our Department. Here are a few examples of our research portfolio.

Brady Hunt, PhD

Data Scientist, Radiation Oncology, DHMC; Research Scientist, Thayer School of Engineering;
Instructor, Geisel School of Medicine at Dartmouth

A 3D Printed Smartphone Attachment for High-Resolution Fluorescence Dermatoscopy

Andrew Scripture, MD PGY-4, DHMC Dermatology Resident

Improving Education in Dermatologic Procedures

Hayden Doughty, MD/MBA Candidate, Geisel Class of 2023

A Rare Presentation of Vesiculobullous Lyme Disease: A Case Series

Jessica Wilson, MD PGY-4, DHMC Dermatology Resident

Quality Improvement: Topical Vitamin C

Joshua Levy, PhD

Assistant Professor of Pathology and Laboratory Medicine, Dermatology and Epidemiology Dartmouth-
Hitchcock Medical Center and The Geisel School of Medicine at Dartmouth

Overview of the EDIT Machine Learning Internship

Zarif Azher, Thomas Jefferson High School for Science and Technology, Virginia

Brief Introduction to Machine Learning and Multimodal Modeling

Tarushii Goel, Akash Pamal, Irfan Nafi, Abhinav Angirekula, Thomas Jefferson High School for Science and
Technology, Virginia

Exploring Methods to Improve Arctic.AI

Jack Greenburg, Middlebury College, Vermont

Detection of Underbilled Procedures in Pathology with Natural Language Processing

Jason Zavras, Dartmouth College

Assessment of Staining Reagent Variation for Deep Learning on Multi-Center Cohorts

Brody McNutt, MS, Recent Quantitative Biomedical Sciences Graduate, Geisel School of Medicine

Facilitating Inter-institutional Collaboration with Federated Learning

Marietta Montivero, Geisel MD-PhD student

Data Science from Medical Student's Perspective

Kelly Aschenbeck, MD, PGY-4, DHMC Dermatology Resident

Standardizing Medical Documentation Education in the Diverse Dermatology Clinic

Research Programs

CRISPR for Virus Editing

Cutaneous Microbiome

Melanoma In-situ Treatment

Inpatient TeleDermatology

Quality Improvement as a Weapon

Medical Student Teaching Initiative

Specialty Clinic Research

Down Syndrome

Multi-Disciplinary Clinic

AWARDS



Brian Simmons, MD

Dr. Brian Simmons won a \$20,000 Dermatology Foundation Grant for CRISPR diagnoses of onychomycosis.

The Foundation's Research Grants provide financial support for research projects in dermatology and cutaneous biology that benefit the dermatology community at large.

Dermatology's Nurse Manager, **Caitlin Yazel, APRN**, won the Excellence in Nursing Leadership award during this year's Nurses Appreciation Month. She was presented this award for her outstanding leadership skills and ability to engage our nursing staff.



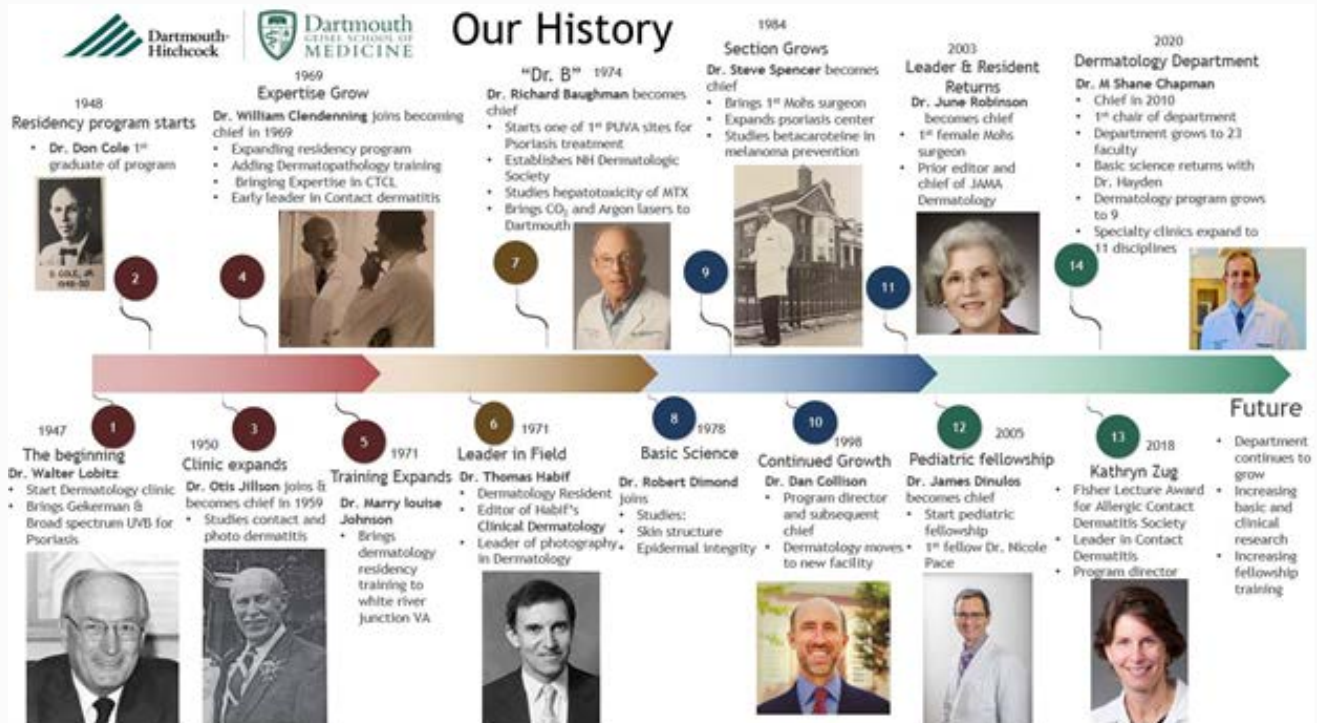
Caitlin Yazel, APRN



(L-R) M. Shane Chapman, MD, MBA
Gabeilla Sapp, MA
Matthew LeBoeuf, MD, PhD
Caitlin Yazel, APRN

Gabriella Sapp, MA was awarded the Medical Assistant of the year award. She was granted this award for her work on creating a competency for MA's to inject lidocaine in our clinic.

OUR DERMATOLOGY HISTORY



1947-1967 Lobitz and Jilson Years

Walter C. Lobitz Jr. (Wally) was a *one man band* whose greatest strength was his leadership ability to recruit the best people and bring out the best in them immediately after starting a residency training program. He provided clinical skills, set up his laboratory focusing on structure and function of appendages. Very early he recruited Otis F. Jilson where he excelled as a therapist and teacher. Otis brought skills, contact allergy and photosensitivity. As a duet they established in-patient dermatology at Winifred Raven House with an emphasis on psoriasis which was the early flagship of our program.

1968-1998 Baughman-Clendenning-Spencer Era

Dr. William Clendenning (1967-1973) brought his expertise in CTCL and Dermatopathology came from Cleveland via NIH. Dr. Baughman, a graduate of the DH program focused on PUVA and Cyclosporin for psoriasis, established outreach clinics and introduced dictation and transcription of records. Dr. Stephen Spencer brought us into the modern surgical area learning Mohs surgery and expanding skin surgery in general. He planned clinic facilities as the new hospital and clinic were erected in Lebanon. This trio of Clendenning, Baughman and Spencer function largely and effectively, by consensus, and harmony reigned. As the Medical Center concept was evolving Spencer and Baughman had both served on Clinical and Hospital staff boards of Governors. However, the necessity of direct access to decision making though department status was recognized and prioritized.

1998-2010 Collison-Robinson-Klaus-Dinulos

Dr. Dan Collison was our first full time dermatologic surgeon. He agreed to one 5 year term as section chief. He strengthened Mohs and non-Mohs surgery. His computer literacy softened introduction of the electronic medical record. As his term closed, administrative lapses delayed recruitment of new leadership. Finally June Robinson, the first female graduate of our program and first female Fellowship trained Mohs surgeon, was recruited to develop a dermatology research program and achieving department status. However, she realized there was not enough support for those expectations so she returned to Chicago to continue her research and editorial activities. Dr. Sid Klaus served briefly as interim section chief for 2 years. Then, Dr. James Dinulos, our first pediatric dermatologist, was appointed acting Section Chief, but was never given the authority of full Section Chief status, in spite of extraordinary effort, including development of a pediatric dermatology fellowship. After a decade of central institutional administrative inattention, the dermatology program was granted in depth total review, and transferred from the Department of Medicine to the Department of Surgery.

2010-Present

From a national search, Dartmouth Dermatology graduate M. Shane Chapman, MD, was selected as Section Chief in 2010. He earned his MBA from MIT in 2016. With his leadership skills he expanded and unified the faculty. Shane orchestrated the expansion and move of the program to Heater Road, and facilitated the evolution of a Section in the Department of Surgery, a stand alone Department of Dermatology in 2020. The current faculty has grown to 15, with 2 Mohs surgeons, 3 Pediatric Dermatologists and 9 residents. The continued growth into a mature specialized clinical operation and expanding research Department continues.

SPECIAL EVENTS IN DERMATOLOGY

Melanoma May Skin Cancer Screening Day

Melanoma Monday

50k Celebration

Physical Diagnosis Day

CHaD Hero

Dermatology Olympics

Halloween in Dermatology

Holiday Party

MELANOMA MAY SKIN CANCER SCREENING

On Wednesday, May 18th, 2022 the Department of Dermatology conducted it's annual Free Skin Cancer Screening for the Hanover Fire and Police Departments for Melanoma and Skin Cancer Awareness Month. The skin screening event was founded by Alumni, Joanny Paul, MD. The Department of Dermatology continues this annual event in honor of Jeryl Frankenfield Sr. who had a 42 year career with the Hanover Fire Department holding various roles. Jerry passed away from Melanoma September 13, 2015. Jerry's wife Pat is a Melanoma screening activist & supports awareness of the importance of sun protection.

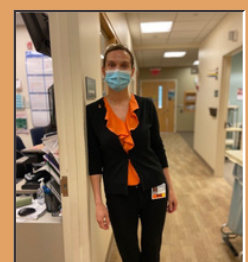
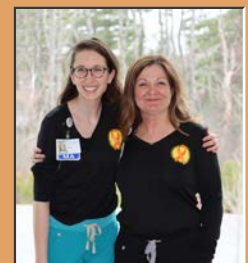
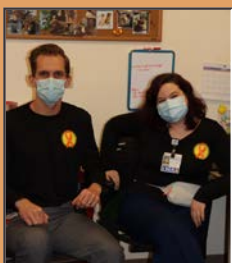




MELANOMA



MONDAY





DERMATOLOGY HITS 50K!

In July 2021 the Department of Dermatology reached 50,000 patient visits for that fiscal year. Staff celebrated with having a 50's themed ice cream social.

Calendar Year	Appointments
2012	23285
2013	28064
2014	31490
2015	41996
2016	48257
2017	51627
2018	49189
2019	45840
2020	42641
2021	54056



PHYSICAL DIAGNOSIS DAY

The teaching continued with welcoming Geisel Medical Students for our annual Physical Diagnosis Day. This educational day was planned by Dr. Denise Aaron and our Faculty and Residents participated in the teaching.





CHAD HERO 5K

The CHaD HERO is a fundraising and athletic event benefiting CHaD: Children's Hospital at Dartmouth-Hitchcock. Each year the Department of Dermatology organizes a team to raise money and compete in various races in Hanover, NH. This year looked a little different as most events were virtual and we were not all able to gather for the traditional festivities in Hanover but our department was still able to raise \$3,037 for CHaD and our team shirts were a hit!



DERMATOLOGY OLYMPICS





HALLOWEEN IN DERMATOLOGY



OUR DEPARTMENT OF DERMATOLOGY ALUMNI



DEPARTMENT PHILANTHROPY

PHOTO BY: JEAN HENRY

PHILANTHROPY

OUR DEPARTMENT IS GROWING AND WE NEED YOUR SUPPORT

The Dartmouth Hitchcock Medical Center (DHMC) Dermatology Residency Program

is expanding, and your financial support can make a difference in the education and research capabilities of our residents.

The Dermatology Residency Program Fund now supports nine residents and three fellows, making it possible for them to participate in many activities that augment their education. Your donation will support resident participation in:

Conferences: These events provide opportunities for researchers to present their posters. The fund offsets the expenses for statistical assessments, airfare, hotel, meals and poster printing.

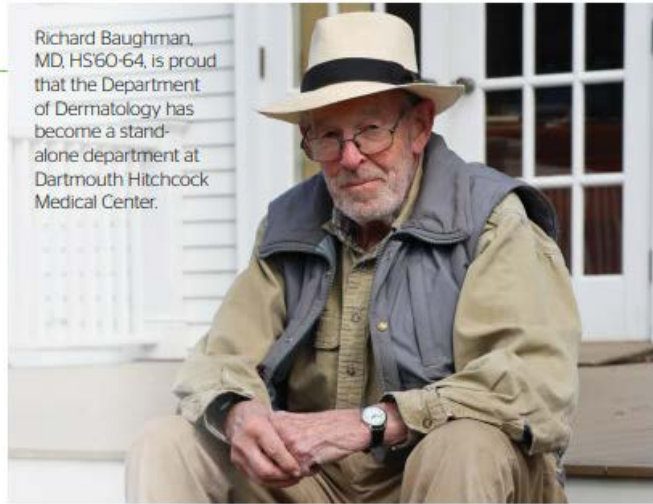
Research analysis: Statisticians help residents analyze the results of their research, a crucial element in the advancement of medicine. This assistance can cost more than \$1,000 per month; the fund supports ongoing resident and statistician collaboration.

Publishing: In our digital age, a journal may accept a resident's paper and charge a steep fee to publish it. Donations to the fund support the publishing of resident research.

These are only a few examples of how the Dermatology Residency Program Fund fosters Dermatology residents' education and development.

To discuss making a gift in support of DHMC dermatology residents, contact Dorothy Behlen Heinrichs, the director of Patient and Family Giving, at Dorothy.B.Heinrichs@Hitchcock.org or 203-257-2689.

Richard Baughman, MD, HS'60-64, is proud that the Department of Dermatology has become a stand-alone department at Dartmouth Hitchcock Medical Center.



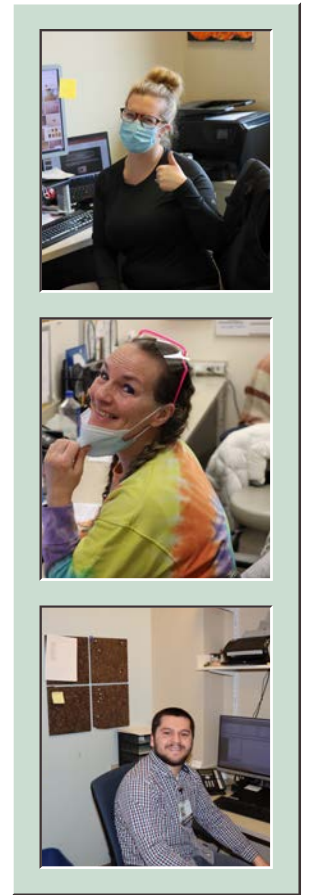
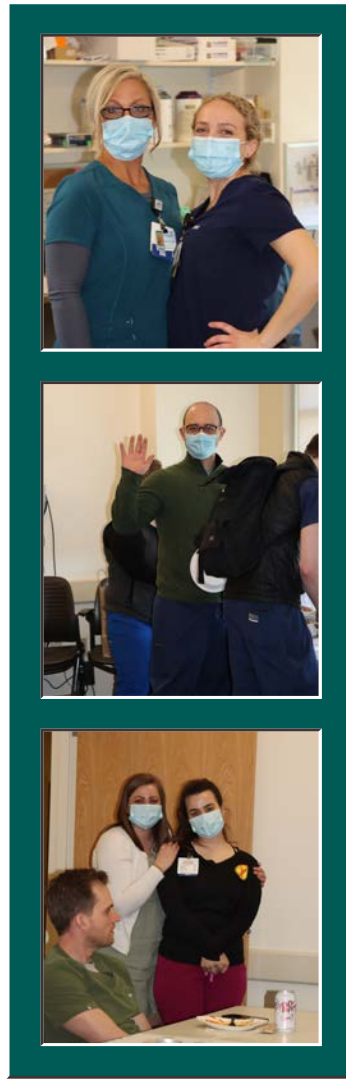
A GIFT FROM RICHARD BAUGHMAN

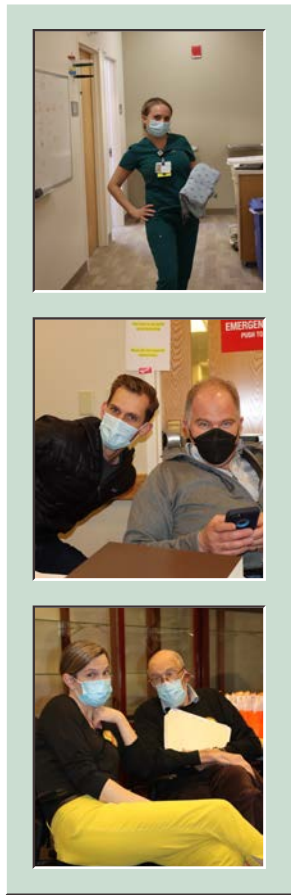
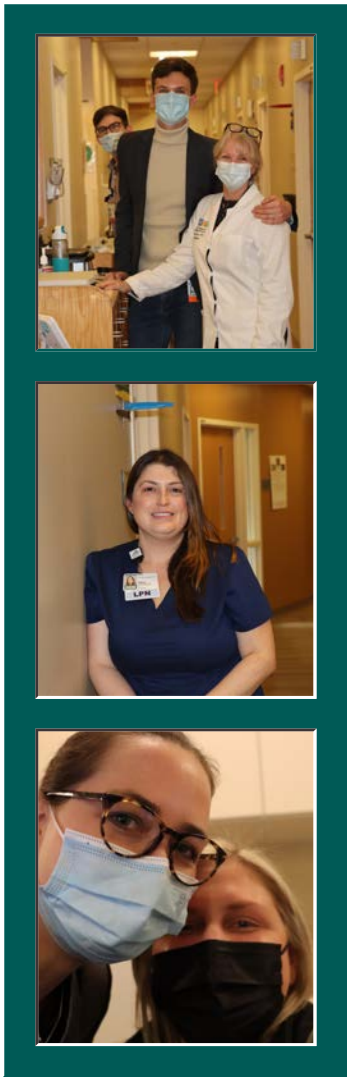
Richard (Dick) Baughman, MD, HS'60-64, an emeritus professor of Dermatology, made a bequest of \$25,000 in his will for two reasons: to show his gratitude and to advance the future of the Department of Dermatology. He hopes other graduates—and anyone who values dermatology education—will join him in supporting the department in their gift planning.

"I am so grateful to the dermatology program at DHMC for the education I received," Baughman said. "I wanted to make a pledge to show the importance of the whole specialty program within the medical center and achieving recognition for what we have accomplished. I encourage other graduates, faculty and potential donors to contribute to the future of the department like I did."

"I am so grateful to the dermatology program at DHMC for the education I received."

Richard (Dick) Baughman, MD, HS'60-64





How to Contact Us:

Patient Appointments:

603-650-3100

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Clinical Trials Program:

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Staci.L.Shaw@Hitchcock.Org

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Dermatology Resident Alumni Website:

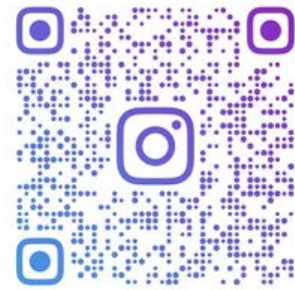
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Philanthropy

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