

Department of Pathology

New Hires



Beth Harrison, MD, is a surgical pathologist with expertise in breast and gynecologic pathology. She joined us from Mass General Brigham and is part-time faculty. She completed her residency in Anatomic Pathology at New York University Langone Medical Center and clinical fellowships in breast pathology at Brigham and Women's Hospital and gynecologic pathology at Massachusetts General Hospital. She is an Assistant Professor in Pathology at Harvard Medical School and has taught pathology residents and medical students. Her research has focused on improvement in the diagnosis and management of breast disease through quality assurance, diagnostic concordance, clinicopathologic and molecular studies. She has served as the consultant pathologist for the Dana-Farber Cancer Institute Inflammatory Breast Cancer Program.

Department of Pathology

New Hires



Yael Heher, MD, has returned to the Department of Pathology at BIDMC in a part-time capacity. She will advance Pathology quality and safety work, provide mentorship, and participate in renal (pathology) sign-out. Before being named as BILH's inaugural Chief Quality Officer in 2023, she spent more than a decade at BIDMC and was instrumental in developing our departmental quality and safety program. We are excited to have her help lead this next phase of the Dana-Farber Beth Israel Deaconess Cancer Collaboration.

She has also joined the Harvard Medical Faculty Physicians' (HMFP) senior team to lead the evaluation of HMFP's quality and safety programs.

Department of Pathology

New Hires



Jia-Chi "Jack" Wang, MD, MSc, PhD, is a board-certified clinical cytogeneticist and molecular geneticist specializing in reproductive, prenatal, and perinatal diagnostics. He is Director of Clinical Cytogenetics, Reproductive and Perinatal Diagnostics, and Director of Molecular Pathology Quality Assurance, within the Division of Clinical Laboratory Medicine. He is also a faculty member at Harvard Medical School.

Most recently, he was Director of Cytogenetics at City of Hope. He previously held leadership roles at McMaster University, Quest Diagnostics, and Global Diagnostics Network for Northeast Asia. He earned his MD from China Medical University in Taiwan and completed his MSc and PhD at McGill University. He trained in Clinical Cytogenetics at BC Children's Hospital in Vancouver and in Clinical Molecular Genetics at The Hospital for Sick Children in Toronto. He also has a strong record of mentorship and academic contributions.

Department of Pathology

New Hires



George Murphy, MD, is an internationally recognized leader in dermatopathology, cutaneous immunopathology, and academic medicine, with a distinguished career spanning clinical excellence, education, and research. He joins the Dermatopathology team and will also be the Director of Cutaneous Oncopathology Research and Innovation. He has held senior academic appointments at Harvard Medical School, the University of Pennsylvania, and Thomas Jefferson University, and has served in numerous national leadership roles within pathology and dermatopathology societies. He is widely known for his foundational contributions to skin pathology, graft-versus-host disease, melanoma biology, and stem cell research, and has authored or edited many of the field's seminal textbooks and references.

His arrival enhances our depth of expertise in diagnostic pathology, mentorship, and translational investigation.

Department of Pathology

New Hires



Shelby Hutcherson, PhD, DABCC, is a board-certified clinical chemist with expertise in laboratory medicine, assay validation, and clinical chemistry operations. She is Assistant Director of Clinical Chemistry and Director of Immunology in our Division of Clinical Laboratory Medicine.

She completed her PhD at Johns Hopkins University School of Medicine and her clinical chemistry fellowship at Memorial Sloan Kettering Cancer Center, where she most recently served as Assistant Attending Clinical Chemist and Program Director of the Clinical Chemistry Fellowship. Her interests include clinical assay development, quality improvement, and education, and she brings valuable experience in both academic laboratory leadership and trainee education.

Department of Pathology

New Hires



Christos Tsokos, MD, PhD, is a physician-scientist with advanced training in gastrointestinal, pancreatic, and liver pathology, and brings a strong background in translational research and academic pathology. He joined the Gastrointestinal Pathology team.

He completed his medical degree at Harvard Medical School and his PhD at MIT, followed by residency and fellowship training at University of California San Francisco. He has served as a Research Fellow in chromatin biology at Massachusetts General Hospital (MGH) and most recently as an attending pathologist on the GI/Pancreas/Liver service at MGH. His academic interests span diagnostic GI pathology and molecular mechanisms of disease.

Department of Pathology

New Hires



Helen Demers is the Director of Project Management at BIDMC, where she leads strategic initiatives within Pathology and supports large-scale clinical and operational transformation efforts. She brings deep expertise in managing complex, cross-functional programs in highly regulated healthcare and life sciences environments.

Prior to her current role, Helen held leadership positions at Nitto Avecia, Philips Healthcare, and Genzyme Genetics. Helen holds an MBA from Clark University and a bachelor's degree in Molecular Biology and Biochemistry.

Department of Pathology

Award, Honors and New Roles



Kerry O'Brien, MD was nominated to the Harvard Medical Faculty Physicians Board of Directors. This nomination recognizes her outstanding leadership, dedication, and contributions to our institution and the broader BIDMC and HMFP community.



Omer Yilmaz, MD, PhD, a GI pathologist in the department, has been promoted to full Professor of Biology at MIT (tenured). He also serves as Director of the MIT Stem Cell Initiative.



Indira Guleria, PhD has been promoted to Associate Professor of Pathology at HMS.

Department of Pathology

Award, Honors and New Roles



Elena Piskounova, PhD was promoted to Assistant Professor of Pathology at HMS.



Shaelyn Widener has been promoted to Director of Operations, Anatomic Pathology. She brings more than 15 years of progressive experience within Anatomic Pathology at BIDMC, having advanced through a number of lab roles, including most recently Clinical Manager of Anatomic Pathology.



Stefanie Mattson has been promoted to Director of Operations, Clinical Pathology. She joined BIDMC in January of 2017, and has 25 years of clinical laboratory experience, 13 of them in a supervisory/management role. She has served as the Interim Operations Director, Clinical Pathology since June 2025.

Department of Pathology

Laboratory Updates

More In-House Immunohistochemical Tests Available

At BIDMC, we are committed to providing our patients with the most advanced diagnostic tools to guide their care. Over the past year, the Immunohistochemistry Laboratory in the Department of Pathology has significantly expanded our in-house immunohistochemical test menu, specifically focusing on protein-based biomarkers that are essential for modern oncology.

Recent additions to our in-house companion diagnostic suite include **FDA-approved assays for PD-L1 (22C3), cMET, FOLR1, and Claudin 18.2**. These markers are pivotal in directing appropriate therapeutic choices across multiple tumor types, including immunotherapy and newer antibody-drug conjugates (ADCs).

Performing these assays internally, has dramatically reduced testing turnaround times, ensuring that critical diagnostic information reaches clinical teams faster than ever. Under the interim medical director leadership of **Yuho Ono, MD**, the momentum continues with a pipeline of biomarkers, including **ALK (D5F3), MTAP, and DLL3**, among others. Looking ahead, we hope to bring over 100 diagnostic antibodies in-house over the next year, to provide more accurate and timely tumor characterization.

Department of Pathology

Laboratory Updates

High Standards & Hard Work: HLA Lab Inspection Success!

Following a recent inspection by the American Society for Histocompatibility and Immunogenetics (ASHI), our HLA laboratory achieved **100% compliance with zero non-conformities** on Feb. 10. ASHI is the accrediting body recognized by the Centers for Medicare & Medicaid Services for meeting federal CLIA requirements and relied upon by national transplant organizations such as the United Network for Organ Sharing and the National Marrow Donor Program.

A completely clean inspection in high-complexity clinical testing is both rare and highly prestigious, affirming that our HLA typing, crossmatching, and antibody screening practices meet the most rigorous national standards and provide exceptional confidence to the transplant teams and patients we serve. This accomplishment reflects the HLA team's outstanding technical expertise, meticulous attention to quality, and unwavering commitment to excellence. We congratulate the entire team and thank them for their continued dedication to advancing patient care.

Department of Pathology

Laboratory Updates

Congratulations to the Joslin Diabetes Lab Team

Thank you to all the staff involved in the successful relocation and smooth go-live of the Joslin Diabetes Lab. This initiative represented a significant operational undertaking, spanning several months of detailed planning, implementation, and comprehensive training.

This project would not have been possible without the coordinated efforts of **Roche, Joslin leadership, OneBILH Epic Beaker staff**, and the **Joslin laboratory staff led by Jackie Raetz**, whose shared commitment ensured a seamless transition while maintaining patient care, data integrity, and operational continuity. The professionalism demonstrated across teams exemplifies the strength of interdisciplinary collaboration within our organization.

Because of the team's dedication, adaptability, and commitment to excellence, the Joslin Diabetes Lab is now fully operational in its new location and well-positioned to continue delivering high-quality services.

Department of Pathology

Laboratory Updates



L-R: Marcia Fearon, committee member for BIDMC's annual Martin Luther King, Jr. celebration; Natacha Dupervil; Yvel Joseph, Astrid's husband; and Julian Joseph, Astrid's son.

Congratulations to Natacha Dupervil, Hematology Lab

On Jan. 13, BIDMC celebrated [Martin Luther King, Jr., Day](#) with an event including the presentation of the inaugural Astrid Joseph Award, which will annually recognize an individual who embodies our WE CARE values (Wellbeing, Empathy, Collaboration, Accountability, Respect, and Equity). This year, the award was given to Natacha Dupervil, a Medical Lab Technician in the East Campus Hematology Lab, for her willingness to help others and go above and beyond. Natacha Dupervil was nominated by her colleagues and selected from more than 25 nominees at BIDMC.

The award is sponsored by the Richard E. Lee Fund and is named after Astrid Joseph, who worked for more than 20 years for the Committee on Clinical Investigations (CCI) at BIDMC.

Department of Pathology

Laboratory Updates

Lab Spotlight: AP Sendouts/Slide Library

Two exceptional teams work seamlessly together to ensure testing and specimen retrieval are completed in a timely and efficient manner.

The AP Sendout team, led by Supervisor **Tamara Licorish**, alongside **Katrina Pavlovich** and **Marta Opie**, has been instrumental in shaping a well-structured department supported by a strong internal tracking system. Through their dedication and organization, the team processed 1,767 BIDMC requests and 471 outside requests from Jan. 1- mid-Feb.

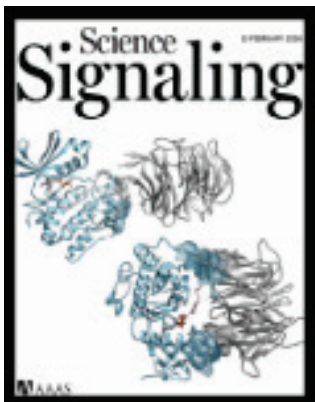
Equally vital is the Slide Library team, **Marianne Hughes**, **Angela Jamison**, and **Victoria Bowman**, who consistently go above and beyond to support departments across BIDMC. Their work spans research support, block and slide retrieval, specimen returns, and data entry, ensuring accuracy and continuity across all services.

Together, these two teams play a critical role in keeping the AP Department running smoothly, supporting residents, fellows, clinical staff, and pathology faculty with send-out testing, an essential foundation in meeting the needs of the patients we care so deeply for.

Department of Pathology

Featured Publication

Zhenbo Tu, PhD; Liza Quintana, MD; and Tony Karnoub, PhD,
Published in *Science Signaling*



Stabilization of IQGAP1 by the mTORC2 component PRR5 mediates mitogenic LINC01133-to-ERK signaling in triple-negative breast cancer. Tu Z, Moses L, Hu Y, Sapkota S, Quintana LM, Guerrero L, Bell GW, Karnoub AE. *Sci Signal.* 2026 Feb 10;19(924): eadr4063.

Tu, Quintana, Karnoub et al. found that the long non-coding RNA LINC01133 promoted triple-negative breast cancer (TNBC) cell growth by activating AKT signaling via the mTORC2 component PRR5. However, inhibiting AKT was insufficient in suppressing TNBC growth because PRR5 triggered a compensatory, parallel pathway that activated ERK signaling via the adaptor protein IQGAP1. Simultaneous inhibition of both AKT and ERK signaling, or suppressing PRR5, proved effective in suppressing TNBC cell growth suggesting that combining AKT and ERK inhibitors, or PRR5-targeted therapeutics, might prove effective in clinical management of TNBC.

Department of Pathology

Publications

- Rai A, Iatrou A, Arzeta IV, Bartlett AL, Banahan J, Desai V, Pantano L, Castanho I, Yeganeh PN, Ploumakis A, Wang S, de Amaral AA, Kalavros N, Nagalakshmi SU, Tsvetkov P, Berretta S, Solomon IH, Hide W, Vlachos IS, Slack FJ, Ozdemir R, Sui SH, Daskalakis NP, Mavrikaki M. [Aging-related Transcriptomic Changes with Spatial Resolution in the Human Prefrontal Cortex](#). *bioRxiv* [Preprint]. 2026 Jan 12:2026.01.12.698703. doi: 10.64898/2026.01.12.698703. PMID: 41648412; PMCID: PMC12871360.
- Cheng X, Qian C, Holdridge E, Ananda G, Jiang T, Zhang Y, Ni J, Xie S, Gu H, Ji R, Ivanova EV, Nucci MR, Wang Z, Chen K, Kochupurakkal B, Freeman GJ, Shapiro GI, Liu J, Konstantinopoulos PA, Matulonis U, Zhao JJ. [Targeting FGFR signaling overcomes therapeutic resistance and immune evasion in oncogenic PIK3CA-driven serous-like endometrial cancer](#). *bioRxiv* [Preprint]. 2026 Feb 17:2026.02.16.706009. doi: 10.64898/2026.02.16.706009. PMID: 41756964; PMCID: PMC12934813.
- Sharma AE, Wyvekens N, Neville G, Parra-Herrán C, Hornick JL, Fletcher CDM, Nucci MR. [Malignant vascular neoplasms of the distal female genital tract: a series of 19 cases emphasizing unusual features and diagnostic challenges](#). *Histopathology*. 2026 May;88(6):1142-1153. doi: 10.1111/his.70094. Epub 2026 Jan 28. PMID: 41607084.
- Williams JF, Glomski K, Ulbright TM, Hanley KZ, Iczkowski KA, Acosta AM, Nucci MR, Oliva E, Hirsch MS. [SOX2 Is the Most Sensitive Biomarker in Testicular and Gynecologic Embryonic-type Neuroectodermal Tumors \(ENT\) Based on a Comprehensive Evaluation of Biomarker Expression](#). *Am J Surg Pathol*. 2026 Jan 1;50(1):21-30. doi: 10.1097/PAS.0000000000002466. Epub 2025 Sep 10. PMID: 40922405.
- Hecht JL, Bellegarde S, Modest AM, Shanker SA. [Stage 2 Basal Plate Myometrial Fibers in Delivered Placentas: Frequent Placenta Retention but Rarely Indicative of Clinical Placenta Accreta Spectrum](#). *Pediatr Dev Pathol*. 2026 Mar-Apr;29(2):120-127. doi: 10.1177/10935266251406042. Epub 2025 Dec 18. PMID: 41410307.
- Wang L, Jou D, Patel R, Malvar G, Germansky K, Hecht JL, Vyas M. [Abnormal Nuclear Membranous Staining Pattern by MLH1 Immunohistochemistry in Endometrial Cancer: A Diagnostic Pitfall and Clone-dependent Artifact](#). *Int J Gynecol Pathol*. 2026 Mar 1;45(2):129-134. doi: 10.1097/PGP.0000000000001125. Epub 2025 Jul 28. PMID: 40758747.
- Wang L, Sardella BR, Aronson EK, Liu Z, Li X, Wulf GM, Heng YJ. [Simultaneous inhibition of PARP/AKT to intercept nascent BRCA1/2mut breast tumors](#). *NPJ Breast Cancer*. 2026 Jan 16;12(1):27. doi: 10.1038/s41523-026-00892-6. PMID: 41545354; PMCID: PMC12920871.

Department of Pathology

Publications

- Wang S. [Extracellular vesicle delivery of myristoylated Cas9 highlights chromatin accessibility as an efficacy barrier in prostate cancer](#). *Mol Ther*. 2026 Jan 7;34(1):16-18. doi: 10.1016/j.ymthe.2025.11.037. Epub 2025 Dec 8. PMID: 41365293; PMCID: PMC12925767.
- Guleria I, Connelly-Smith LS, Bapat A, Klein M, Alkhateeb H, Jacob EK, Mahanta S, Anandappa AJ, Cui W, Reich-Slotky R, Celluzzi C, Spitzer TR. [Chimerism and a framework for clinical practice: A report from the Cellular Therapies Section Coordinating Committee \(CTSCC\) of Association for Advancement of Blood and Biotherapies \(AABB\)](#). *Transfusion*. 2026 Jan 28. doi: 10.1111/trf.70095. Epub ahead of print. PMID: 41603138.
- Hsiao JC, Warui DM, Kwon JJ, Dreishpoon MB, Bick NR, Blue-Lahom T, Root DE, Booker SJ, Tsvetkov P. [Deep Mutational Scanning of FDX1 Identifies Key Structural Determinants of Lipoylation and Cuproptosis](#). *Nat Commun*. 2025 Dec 21;17(1):1112. doi: 10.1038/s41467-025-67869-0. PMID: 41423452; PMCID: PMC12855868.
- Patidar GK, Khatiwada B, Narayan S, Goel R, Nair AR, Das S, Sato T, O'Brien K, AlMozain N; Wikipedia Subgroup of the ISBT [Clinical Transfusion Working Party](#). [Transfusion knowledge online: A Wikipedia deep dive](#). *Vox Sang*. 2026 Feb 10. doi: 10.1111/vox.70216. Epub ahead of print. PMID: 41667143.
- Huang Y, Truelson KA, Stewart IA, O'Doherty GA, Kirby JE. [Enhanced activity of apramycin and apramycin-based combinations against Mycobacteroides abscessus](#). *J Antimicrob Chemother*. 2026 Jan 6;81(1):dkaf433. doi: 10.1093/jac/dkaf433. PMID: 41313250; PMCID: PMC12802941.
- Uy MTJ, Kirmaier A, Rudtner LM, Pine A, Kirby JE. [Poloxamer dilution as an on-demand alternative to agar dilution-based antimicrobial susceptibility testing](#). *J Clin Microbiol*. 2026 Apr 8;64(4):e0182225. doi: 10.1128/jcm.01822-25. Epub 2026 Mar 5. PMID: 41784364; PMCID: PMC13059702.
- Kirby JE, Arnaout R. [What's not to learn? AI meets parasitology](#). *J Clin Microbiol*. 2026 Jan 14;64(1):e0145125. doi: 10.1128/jcm.01451-25. Epub 2025 Dec 8. PMID: 41358779; PMCID: PMC12802280.
- Kirby JE, Arnaout R. [Why are we doing this alone? A collaborative framework for LDT development and validation](#). *J Clin Microbiol*. 2026 Apr 8;64(4):e0186725. doi: 10.1128/jcm.01867-25. Epub 2026 Mar 19. PMID: 41854436; PMCID: PMC13059807.
- Rai A, Iatrou A, Arzeta IV, Bartlett AL, Banahan J, Desai V, Pantano L, Castanho I, Yeganeh PN, Ploumakis A, Wang S, de Amaral AA, Kalavros N, Nagalakshmi SU, Tsvetkov P, Berretta S, Solomon IH, Hide W, Vlachos IS, Slack FJ, Ozdemir R, Sui SH, Daskalakis NP, Mavrikaki M. [Aging-related Transcriptomic Changes with Spatial Resolution in the Human Prefrontal Cortex](#). *bioRxiv [Preprint]*. 2026 Jan 12:2026.01.12.698703. doi: 10.64898/2026.01.12.698703. PMID: 41648412; PMCID: PMC12871360.

Department of Pathology

Publications

- Ghafghazi S, Uhl L, Herbert B, Bertolet M, Alexander JH, Goodman SG, Raval J, Roubille F, Fordyce CB, Goldfarb M, Bainey K, de Andrade PB, Senaratne J, Bracey A, Roswell RO, Lopes R, Simon T, Steg G, Brooks MM, Hebert PC, Carson JL, Triulizi DJ; MINT Trial Investigators. [Transfusion-related adverse events in patients with restrictive or liberal transfusion strategy. An analysis of the MINT trial.](#) *Transfusion*. 2026 Jan;66(1):84-93. doi: 10.1111/trf.70006. Epub 2025 Nov 26. PMID: 41305907; PMCID: PMC12857874.
- Ayub ALP, Tonin BCB, Azevedo H, Jordão PHF, Saxena T, Sejour L, Nsengimana J, Vlachos I, Reis EM, Slack FJ, Jasiulionis MG. [LncRNA Dlx4os drives malignant transformation and phenotype switching in melanoma.](#) *Epigenetics*. 2026 Dec;21(1):2641924. doi: 10.1080/15592294.2026.2641924. Epub 2026 Mar 19. PMID: 41855479; PMCID: PMC13003849.
- De A, Kumar V, Saltzman WM, Slack FJ, Vikram A, Gupta A, Bahal R. [Advances in peptide nucleic acid for targeting RNA and genomic DNA.](#) *Cell Rep Phys Sci*. 2026 Jan 21;7(1):103061. doi: 10.1016/j.xcrp.2025.103061. PMID: 41716301; PMCID: PMC12916000.
- Rai A, Iatrou A, Arzeta IV, Bartlett AL, Banahan J, Desai V, Pantano L, Castanho I, Yeganeh PN, Ploumakis A, Wang S, de Amaral AA, Kalavros N, Nagalakshmi SU, Tsvetkov P, Berretta S, Solomon IH, Hide W, Vlachos IS, Slack FJ, Ozdemir R, Sui SH, Daskalakis NP, Mavrikaki M. [Aging-related Transcriptomic Changes with Spatial Resolution in the Human Prefrontal Cortex.](#) *bioRxiv [Preprint]*. 2026 Jan 12:2026.01.12.698703. doi: 10.64898/2026.01.12.698703. PMID: 41648412; PMCID: PMC12871360.
- Mohd ON, Wang L, Sardella BR, Jou D, Wulf GM, Slack FJ, Heng YJ, Doyle PS. [MicroRNA spatial profiling for assessing drug efficacy in BRCA1 -related triple-negative breast tumors.](#) *bioRxiv [Preprint]*. 2026 Jan 12:2026.01.12.698824. doi: 10.64898/2026.01.12.698824. PMID: 41648163; PMCID: PMC12871373.
- Savage J, Rai A, Lee JD, Banahan J, Dujic K, Nunez M, Caldarone B, Ghoshal S, Slack FJ, Mavrikaki M. [Age-dependent transcriptomic effects of morphine in the frontal cortex of female mice.](#) *Neuropharmacology*. 2026 Mar 15;286:110809. doi: 10.1016/j.neuropharm.2025.110809. Epub 2025 Dec 16. PMID: 41412512; PMCID: PMC12921680.
- Christofk HR, DeNicola GM, Emerling BM, Engelman JA, Fruman DA, Goncalves MD, Lamia KA, Lyssiotis CA, Manning BD, Shaw RJ, Toker A, Vander Heiden MG, Yaffe MB. [A Legacy of Mentorship: A Tribute to Lewis Cantley.](#) *Cancer Discov*. 2026 Mar 2;16(3):431-438. doi: 10.1158/2159-8290.CD-25-1792. PMID: 41766433.

Department of Pathology

Publications

- Willett JDS, Waqas M, Naumenko S, Mullin K, Hecker J, Bertram L, Lange C, Vlachos I, Hide W, Tanzi RE, Prokopenko D. [Matching heterogeneous cohorts by projected principal components reveals two novel Alzheimer's disease-associated genes in the Hispanic population.](#) *Alzheimers Dement.* 2026 Feb;22(2):e71189. doi: 10.1002/alz.71189. PMID: 41755704; PMCID: PMC12946819.
- Yu M, Zhao Z, Dietzen DJ, Gruson D, Hu J, Killeen AA, Manissero D, Pillay TS. [Global IVD: Barriers, Trends, and Future.](#) *Clin Chem.* 2026 Feb 3;72(2):225-231. doi: 10.1093/clinchem/hvaf184. PMID: 41417459.
- Lee SM, Avalos CL, Miliotis C, Doh HM, Chan E, Kaye KM, Slack FJ. [Host microRNA-31-5p regulates KHDRBS3 expression and modulates viral gene expression during KSHV lytic reactivation.](#) *Cell Rep.* 2026 Apr 1;45(4):117160. doi: 10.1016/j.celrep.2026.117160. Epub ahead of print. PMID: 41931390.
- Leung, S.K., Walker, E.M., Policicchio, S. *et al.* [Methylomic signatures of tau and amyloid-beta in transgenic mouse models of Alzheimer's disease neuropathology.](#) *npj Dement.* **2**, 23 (2026). <https://doi.org/10.1038/s44400-026-00074-y>
- Sheets AR, McNamee SM, Lian CG, Murphy GF. [Dermal Microvascular Responses of Human Induced Pluripotent Stem Cell-Derived Skin Organoids to Inflammation and Injury.](#) *Am J Pathol.* 2026 Feb 2:S0002-9440(26)00030-1. doi: 10.1016/j.ajpath.2026.01.005. Epub ahead of print. PMID: 41638316.
- Hong SG, Murphy GF, Lian CG. [Epigenetics of Malignant Melanoma: Mechanisms, Diagnostic Approaches and Therapeutic Applications.](#) *Oncol Res.* 2026 Mar 23;34(4):4. doi: 10.32604/or.2026.073894. PMID: 41930165; PMCID: PMC13040281.
- Repetto F, Lian CG, Murphy GF. [Clues From Strange New Antigens: How Skin Responds to Nonself.](#) *Lab Invest.* 2026 Jan;106(1):104258. doi: 10.1016/j.labinv.2025.104258. Epub 2025 Nov 11. PMID: 41232834.
- Duncan LM, Murphy GF. [The Twentieth Century Dermatopathologist Who Revolutionized the Discipline.](#) *J Cutan Pathol.* 2026 Jan;53(1):3-4. doi: 10.1111/cup.70004. Epub 2025 Oct 30. PMID: 41168549.
- Fischer GM, Fang R, Xu S, Karkempetzaki AI, Migayron L, Draper E, Wang J, Schatton T, Mandinova A, Murphy GF, Lian CG. [Loss of ten-eleven translocation 2 \(TET2\) facilitates aggressive behaviour in cutaneous melanoma by inducing peroxisome proliferator-activated receptor-γ coactivator 1α expression and oxidative phosphorylation.](#) *Br J Dermatol.* 2026 Jan 6;194(1):111-124. doi: 10.1093/bjd/ljaf378. PMID: 41016027; PMCID: PMC12771344.

Department of Pathology

Publications

- Murphy GF. [Aging Skin: A Dermatitis To Which All Flesh Is Heir?](#) J Cutan Pathol. 2026 Jan;53(1):121-124. doi: 10.1111/cup.14756. Epub 2025 Jan 7. PMID: 39777799.
- Murphy GF. [White Depressed Areas and Tumor Infiltrating Lymphocytes: The Cancer Cure That Lies Within?](#) J Cutan Pathol. 2026 Jan;53(1):81-90. doi: 10.1111/cup.14768. Epub 2025 Jan 7. PMID: 39777741.
- Duncan LM, Tahan SR, Hoang MP, Murphy GF. [Martin C. Mihm, Jr. and Dermatopathology Education at Harvard Medical School.](#) J Cutan Pathol. 2026 Jan;53(1):9-15. doi: 10.1111/cup.14747. Epub 2025 Jan 7. PMID: 39777407.