

DECEMBER 2021 | ISSUE 1

# DEPARTMENT OF LABORATORY MEDICINE AND PATHOLOGY AT THE UNIVERSITY OF WASHINGTON NEWSLETTER

## A MESSAGE FROM THE CHAIR



**Geoffrey Baird MD, PhD**  
Professor and Chair  
Paul E. Strandjord and Kathleen  
J. Clayson Endowed Chair  
Department of Laboratory  
Medicine and Pathology

Dear Colleagues and Friends of the Department of Laboratory Medicine and Pathology,

As winter settles into the Pacific Northwest, the return of windy weather, rain and snow, and a campus full of students reminds us that we are returning to the “normal” cadence of life at the University. For those of us in the Department (“DLMP”), though, this is a fall-winter unlike most we have experienced. COVID-19 has affected us more than most, as DLMP has played a critical role in the State of Washington’s response to the pandemic. To date, we have performed over 3.8 MILLION RT-PCR tests (of the ~9 million performed in Washington), and our test volumes show no sign of slowing. Across the Department in other areas, we are working in new ways, sometimes at home, keeping safe with masks and vaccines when we do come into work, using a lot more video conferencing, and serving as a reference laboratory for the Pacific Northwest.

As much as COVID has tried, and succeeded, to steal all of our focus and attention, I have to continually remind myself, and others, that DLMP serves many other roles. Our patients still need the suite of diagnostic tests that we provide in our clinical enterprise, from routine chemistry and histologic analyses to cutting-edge molecular analyses of cancers and infectious agents. Our research efforts also continue to thrive; although work-from-home

was not compatible with the work occurring in many of our laboratories, vaccines and workplace safety measures have allowed us to start anew in our laboratories, and many of our faculty and trainees have continued to elucidate mechanisms of disease under even these most challenging of circumstances. Finally, our training programs have also continued to thrive. Educating the next generation of pathologists, laboratorians, researchers, and educators is core to our mission and now we know that this effort will require a bit more creativity, a bit more video and remote learning, and a bit more patience as we try to adapt decades-old traditions into the “new normal.”

The DLMP is almost 18 months old, and in that time, we have many accomplishments to be proud of, including what you read in this newsletter. We have succeeded in mounting a country-leading COVID testing response, as well as continued to grow our faculty ranks, fill our training programs with the highest caliber trainees, carry out high-profile research reported in stellar journals, and develop new analytical approaches that translate the most recent biomedical discoveries into tests that make our patients healthier. On the flip side, however, we have still never met as a complete faculty in one place, in person. It is difficult, it turns out, to build a community when the public health authorities strongly discourage large gatherings. I do hope that our cancelled retreat, scheduled for this past October, will be able to occur in person this coming spring.

One thing that has not slowed during COVID has been the generous philanthropy our faculty and friends have directed towards the Department. Our existing philanthropic funds (Martin-Reichenbach, True-Brown, and Strandjord-Clayson) have been supporting research across DLMP, and new gifts have come as well. As part of a much larger gift to UW, our own Dr. Lawrence Corey has donated two endowed professorships targeted towards virology, both of which will soon be awarded to faculty members. Residency graduate Dr. Richard Mertens, as well, has provided a generous gift that will both endow a resident research award in honor of Dr.

(continued on page 2)

Bruce Beckwith (renowned pathologist and former head of Pathology at Seattle Children's) and provide funds for educational enrichment for our clinical residents and fellows. Many members of our faculty, as well as friends and family, have also generously endowed an undergraduate research fellowship in honor of Dr. Alan Herr, a beloved DLMP faculty member who passed away earlier this summer. If you wish to make a contribution to the Department, please visit our [Make a Gift](#) page.

Finally, a generous matching gift has been made to DLMP that will evenly match donations targeted towards endowed chairs and professors, effectively halving the cost of such endowments. I would ask, therefore, that if you are interested in endowing a chair or professorship, please contact me at any time.

I wish you all a safe holiday season, and thank all of you—faculty, staff, trainees, alumni, friends, and family—for your dedication to our department(s) in the past, and for your future support of DLMP.

Sincerely,

Geoff Baird

Geoffrey Baird MD, PhD  
gbaird@uw.edu

## **SUPPORT DLMP**

We are grateful for your support of the Department of Laboratory Medicine and Pathology. Your gift, no matter the amount, truly makes a difference. Gifts to the Department support a wide range of needs not covered by state and federal funding, including research, patient care, and testing resources. All gifts are tax-deductible.

Click the button below to make your contribution today!

**MAKE A GIFT**





## IN THE NEWS

[Seattle Magazine](#) and [Seattle Met](#) released their annual list for Top Doctors 2021. Congratulations to our faculty members (Drs. **Rochelle Garcia** & **Raj Kapur** for Pathology, Dr. **Terry Gernsheimer** for Hematology, Dr. **Ganesh Raghuram** for Pulmonary Disease, Dr. **Mark Kilgore** for Clinical Pathology, Dr. **Peter Byers** for Clinical Genetics, and Drs. **Michi Shinohara** and **Paul Nghiem** for Dermatology) for being selected.

Read about a researcher's fight with cancer with the help of UW doctors, including Drs. **Colin Pritchard**, **Eric Konnick**, and **Stephen Salipante**, in "[Hope and Healing](#)" on the UW College of Engineering's blog.

Dr. **Geoffrey Baird** became the department chair on July 1, 2021. Learn more about him in "[Meet Geoffrey Baird: Pathologist and Musician](#)" in The Huddle.

Dr. **Brian Shirts**' [ConnectMyVariant](#) public health initiative was featured on [KOMO news](#).

Dr. **C. Dirk Keene** will lead the Neuropathology Core, one of the six cores of a \$56 million NIH grant to expand Alzheimer's research. Read "[\\$56 million NIH grant to expand Alzheimer's research](#)" for more details.

Follow us on Twitter  
[@uwlabsmedpath](#)  
for the latest news  
and updates!

## HONORS, AWARDS, AND ACHIEVEMENTS

Dr. **Kikkeri Naresh** received a Clinical Research Division Pilot Grant from Fred Hutchinson Cancer Research Center for "Mantle cell lymphoma: genomic and cell-cycle characteristics of tumors that fail high-dose chemotherapy and autologous stem cell transplantation." He was also [recently awarded funding by the Care Fund](#) "Understanding the Contribution of the Immune Tumor Microenvironment to the Observed Regional Disparities in Mortality Among Different Lymphoma Types in Washington State" and was recently appointed to the [Expert Editorial Board of the WHO Blue Book on Hematolymphoid tumors](#).

The DLMP welcomes Dr. **Mariya Sweetwyne** to the faculty as regular assistant professor as of November. Following a competitive national search, Dr. Sweetwyne was selected as the top applicant. Dr. Sweetwyne has previously served in the Department as acting assistant professor and will continue her studies of aging kidneys in her new role.

Dr. **Rida Hasan** has received the Outstanding Abstract Award for Trainees by American Association of Blood Banks for her abstract entitled "Routine Direct Antiglobulin Testing on Cord Blood Samples to Evaluate Neonatal Hemolysis Risk Is of Limited Utility."

Dr. **Jia Zhu** received the [Scan | Design Foundation Innovative Pain Research Grant](#) to study the role of IL-17c in promoting peripheral nerve repair and regeneration in human HSV infection.

**Daniel Tanoeihusada** and **Mark Fierro** from the UW-MC-MT Histology Lab successfully passed their Histotechnologist Certification from ASCP.

Dr. **Regina Kwon** received an Accountable Organization Care (ACO) Award for the summer 2021 cycle for her project "Development of a Syphilis-Specific Molecular Assay." Drs. **Joshua Lieberman** and **Stephen Salipante** are faculty mentors for the project.

Dr. **Monica Pagano** is one of the recipients of the 2021 President's Award from the American Association of Blood Banks.

Dr. **Colin Pritchard** is honored to receive the [Ellis Ben-](#)

(continued on page 4)

[son Award](#) this year from the Academy of Clinical Laboratory Physicians and Scientists (ACLPS) and gave the Benson award lecture at the ACLPS meeting last month. Dr. Pritchard received the Catalyst for Precision Medicine Award from Scientific American. [Read more in UW Medicine's Newsroom.](#)

The **Clinical Training Division** has been hard at work launching many eLearning modules for DLMP since their founding in December 2020! All courses have Continuing Education units available for DLMP staff. Some helpful modules for new employees include "Sunquest LIS Introduction" and "hc1 Introduction for DLMP." Clinical Training has been working closely with Lab Med IT to help with Epic Workflow changes in the Phlebotomy and Specimen Processing areas and created modules to help performing employees learn new workflows. They also worked closely with Nursing Education at Montlake, Northwest, and Harborview to provide materials and training for all involved parties in the Blood Culture bottle switch to bio-Merieux. This was a fast and demanding project as medical grade glass was reallocated nationwide for COVID-19 vaccination production. Clinical Training will continue to help fellow laboratorians with training and competency by developing eLearning modules as needed for DLMP.

The **Molecular Microbiology Lab's** new Leishmania PCR (LSHDNA) went live 9/1/21. The assay has a limit of detection of 1 genome/reaction, the ability to identify Leishmania species or species-complexes that infect humans, and is currently the only Leishmania-specific assay in the US. Since coming online, the lab has already detected parasites from most major species-complexes, providing crucial information to guide treatment decisions. The validation was led by Dr. **Joshua Lieberman** with critical work from MLSS **Karissa Crawford** & **Ichih Wang-McGuire** and Dr. **Kendell Jensen**, a former Molecular Genetic Pathology Fellow. Dr. **Stephen Salipante** provided mentorship and laboratory space needed for assay development, while the labs of Drs. **Wes Van Voorhis** and **Fred Buckner** from the Department of Medicine provided essential validation materials.

Drs. **Michael Haffner** and **Larry True** received a grant from the [Fred Hutch/UW Cancer Consortium](#) to investigate the clonal origin of metastases of prostate cancer that has progressed.

Congratulations to Health Services Manager **Gregory Pepper** for being a recipient of the [2021 Together We Will Award](#), which celebrates "outstanding staff contributions made during the extraordinary challenges of 2020."

Congratulations to Dr. **Deepti Reddi** for being included in [2021 American Society for Clinical Pathology's 40 Under](#)

[Forty](#). This program "celebrates the brightest emerging leaders and innovators of pathology, laboratory medicine, and ASCP."

Drs. **Shreeram Akilesh**, **Kelly Smith**, and **Benjamin Freedman** were awarded an [R01 grant to study mechanisms of kidney injury in COVID-19 patients](#).

Drs. **Alessandro Bitto** and **Matt Kaeberlein** received a sub-award for a U01 grant with FHCRC investigator Bill Grady to investigate the role of the senescent microenvironment in the development and severity of age-related colon cancer.

The DLMP has new resident representatives for the College of American Pathologists (CAP) and the American Society of Clinical Pathology (ASCP). Dr. **Isaac Miller** is the new CAP Resident Delegate, joining current representatives Drs. **Lindsey Durowoju** and **Heather Kirkham**. Dr. **Ari Pape** is DLMP's new ASCP Resident Representative.

Drs. **Jessica Young**, **Christine Disteche**, and **Sumie Jayadev** received a [five-year, \\$6 million R01 grant to study the mechanisms of sex differences in risk of developing Alzheimer's disease](#). Co-investigators on the project include Drs. **C. Dirk Keene** and **Joel Berletch**.

**Nawal Madkhali**, co-mentored by Drs. **Ghayda Mirzaa** and **Brian Shirts**, defended her master's thesis "The spectrum of mosaic mutations in megalencephaly and other growth disorders by ultra-deep targeted next-generation sequencing (NGS)" on June 30.

Two students from the **Molecular Medicine and Mechanisms of Disease (M3D) PhD Program** defended in August: **Nayanga Thirimanne** ("Genome-Scale Analysis of Transcriptional Regulation by the Fbw7 Ubiquitin Ligase") and **Emily Kohlbrenner** ("Characterizing WRN DNA Helicase in Prostate Cancer and Implications for Microsatellite Unstable Metastatic Prostate Tumors").

M3D student **Rebecca Bornstein** received the [Diversity NRSA F31 grant](#).

M3D student **Rene Coig** was appointed as a trainee on the [Biological Mechanisms of Healthy Aging Training Grant](#).

Congratulations to the [Husky 100](#), including **Eric Scott Nealy** from the M3D program. The Husky 100 recognizes the "outstanding work and achievements of students on all three University of Washington campuses who are taking full advantage of their time here."

Dr. **Chelsea Fortin** of the M3D Program passed her fi-

(continued on page 5)

nal dissertation defense on June 25, 2021. "Three-Dimensional Histopathology of the Human Liver." She joined Shape Therapeutics as a scientist in September to help bring RNA editing technologies to the clinic.

M3D Student **Karthikeya Gottimukkala** was awarded the Curci Foundation Graduate Scholarship Award.

M3D first-year students (listed below) have all been on-boarded and are starting classes and their first rotations:

**Mohamed Adil**

**Vada Becker**

**Karthikeya Srinivasa Varma Gottimukkala**

**Jacob Greene**

**Adrienne Le**

**Sam Scharffenberger**

**Tori Tappen**

**Iyabode Tiarniyu**

M3D second-year students have started in their official home labs:

**Julie Boiko** (Hill Lab)

**Jourdan Brune** (Frevert Lab)

**Jack Castelli** (Adair Lab)

**Jocelyn Cervantes** (Kanter Lab)

**Rene Coig** (Promislow Lab)

**Alex Goldstein** (Mack/Sniadecki Lab)

**Cade Ito** (James Lab)

**Saumya Jani** (Nghiem Lab)

**Gerardo Javier** (Lee Lab)

**Haroldo Rodriguez** (Nghiem/Taylor Lab)

**Rasika Venkataraman** (Lee Lab)

**Cassie Winter** (Seshadri Lab)

## PUBLICATIONS AND OTHER SCIENTIFIC NEWS

Dr. **Jia Zhu** co-authored "[Distinct populations of antigen specific tissue resident CD8 T cells in human cervix mucosa](#)" in *JCI Insight*. Additional co-authors from DLMP are Drs. **Tao Peng**, **David M. Koelle**, **M. Juliana McElrath**, **Anna Wald**, and **Lawrence Corey**. Dr. Zhu is the corresponding author who led the study and wrote the paper published in *Frontiers in Immunology*, "[Tissue-Resident-Memory CD8 + T Cells Bridge Innate Immune Responses in Neighboring Epithelial Cells to Control Human Genital Herpes.](#)" Other contributors from DLMP faculty are Drs. **Christine Johnston**, **Keith Jerome**, **David M. Koelle**, **Anna Wald**, **Lawrence Corey**.

Dr. **Nick Crispe** co-authored "[A conserved pathway of transdifferentiation in murine Kupffer cells](#)" in *European Journal of Immunology*. Additional DLMP co-authors include Dr. **Camtu D. Truong** and **Sarah Lampert**. Dr. Crispe is co-author of "[Early-derived murine macrophages temporarily renounce tissue identity during acute systemic inflammation](#)" in the *Journal of Immunology*. Additional DLMP authors include **Radika Soysa**, **Xia Wu**, **Sarah Lampert**, and **Sebastian Yuen**.

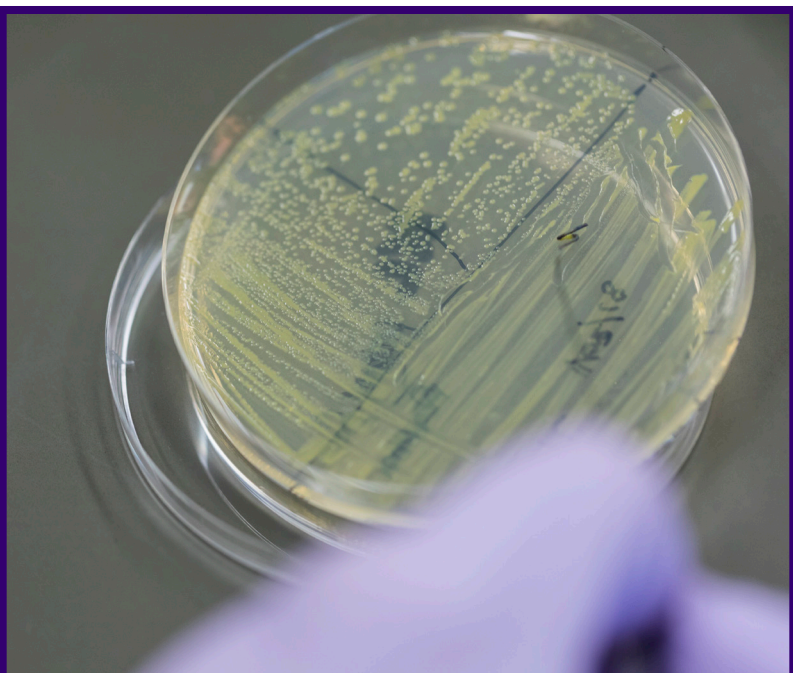
Dr. **Charles Alpers** and **Kelly L. Hudkins** co-authored "[Reversal of hypertriglyceridemia in diabetic BTBR ob/ob mice does not prevent nephropathy](#)" in *Nature* (with additional DLMP co-author **Kunaal Mehrotra**) and "[TACI haploinsufficiency protects against BAFF-driven humoral autoimmunity in mice](#)" in *European Journal of Immunology*.

Dr. **Bernard Khor** co-authored "[The CDK8 inhibitor DCA promotes a tolerogenic chemical immunophenotype in CD4+ T cells via a novel CDK8-GATA3-FOXP3 pathway](#)" in *Molecular and Cellular Biology*.

Drs. **Lisa Koch**, **Oliver Chang**, and **Suzanne Dintzis** co-authored "[Medical Education in Pathology: General Concepts and Strategies for Implementation](#)" in *Archives of Pathology and Laboratory Medicine*.

Dr. **Rosana Risques** is the senior author of "[PolyG-DS: An ultrasensitive polyguanine tract-profiling method to detect clonal expansions and trace cell lineage](#)" in *Proceedings of the National Academy of Sciences of the USA*. Other DLMP authors include Drs. **Teresa A. Brentnall**, **Lawrence A. Loeb**, **Scott R. Kennedy**, as well as **Brendan F. Kohn**, **Ming Yang**, and **Daniela Nachmanson**.

(continued on page 6)





Drs. **Desiree Marshall** and **Luis F. Gonzalez-Cuyar**, together with colleagues in UW Radiology, UW DEOHS, and Toho University in Tokyo, Japan published an article [“Comparison of Human Tissue Gadolinium Retention and Elimination between Gadoteridol and Gadobenate”](#) in *Radiology*, the journal of the Radiological Society of North America (RSNA).

The [Dog Aging Project](#) at the UW in collaboration with the Senior Family Dog Project in Budapest, Hungary, authored [“Canine Cognitive Dysfunction \(CCD\) scores correlate with Amyloid Beta 42 Levels in Dog Brain Tissue”](#) in *GeroScience*, showing that Amyloid-beta levels in companion dog brains correlate with both age and cognitive function as measured by owner surveys. Authors on the DLMP side are Drs. **Silvan Urfer**, **Martin Darvas**, **Daniel Promislow**, and **Matt Kaeberlein**.

The **Cytology and Genetics Solid Tumors laboratory** collaborated on [“Validating cell-free DNA from supernatant for molecular diagnostics on cytology specimens”](#) published in *Cancer Cytopathology*.

Dr. **Ghayda Mirzaa** is the senior author for [“Proximal variants in CCND2 associated with microcephaly, short stature, and developmental delay: A case series and review of inverse brain growth phenotypes”](#) in *American Journal of Medical Genetics* and co-author for [“Pathogenic variants in PIDD1 lead to an autosomal recessive neurodevelopmental disorder with pachygyria and psychiatric features”](#) in *European Journal of Human Genetics*, [“Phenotypic expansion of CACNA1C-associated disorders to include isolated neurological manifestations”](#) (as part of the Undiagnosed Diseases Network) in *Genetics in Medicine*, [“Cutaneous vascular anomalies associated with a mosaic variant of AKT3: Genetic analysis continues to refine the diagnosis, nomenclature, and classification of vascular anomalies”](#) in *Journal of the American Academy of Dermatology*, and [“A standard of care for individuals with PIK3CA-related disorders: An international expert consensus statement”](#) in *Clinical Genetics*.

Drs. **Matthew Yeh**, **Cristina Pacheco**, and colleagues published [“Pediatric Hepatocellular Adenomas: The Influence of Age and Syndrome on Subtype”](#) in *The American Journal of Surgical Pathology*. Dr. Yeh was the senior author for [“Interobserver agreement in pathologic evaluation of bile duct biopsies”](#) (with additional DLMP authors Drs. **Yong-Jun Liu**, **Jessica Rogers**, **Sean Gui**, **Florencia Jalikis**, **Lisa Koch**, **Paul Swanson**, and **Camtu D. Truong**) in *Human Pathology* and [“Duodenal intraepithelial lymphocytosis in Helicobacter pylori gastritis: comparison before and after treatment”](#) (with additional DLMP authors Drs. **Dustin Bosch**, **Yong-Jun Liu**, **Camtu D. Truong**, **Paul Swanson**, and **Melissa Upton**) in *Virchows Archiv: Europe-*

*an Journal of Pathology*.

Dr. **Behzad Najafian** co-authored [“Pima Indian Contributions to Our Understanding of Diabetic Kidney Disease”](#) in *Diabetes*.

Dr. **Joshua Lieberman** is the lead author for [“High Clinical Impact of Broad-Range Fungal PCR in Suspected Fungal Sinusitis”](#) in *Journal of Clinical Microbiology*. DLMP co-authors include Drs. **Andrew Bryan**, **Alex Mays** (residency alumnus), **Lori Bourassa**, **Patrick Mathias**, **Stephen Salipante**, **Brad Cookson**, as well as Professor Emeritus **Karen Stephens** and Molecular Micro staff **Dhruba Sen-Gupta** and **Kyoko Kurosawa**.

Dr. **Amber Nolan** co-authored [“Novel microglia-mediated mechanisms underlying synaptic loss and cognitive impairment after traumatic brain injury”](#) in the *Brain, Behavior, & Immunity - Health Journal*.

Drs. **Brandon Berry** and **Matt Kaeberlein** co-authored [“An energetics perspective on geroscience: mitochondrial protonmotive force and aging”](#) in *GeroScience*.

Dr. **Chihiro Morishima** led the publication of [“Self-collection of capillary blood using Tasso-SST devices for Anti-SARS-CoV-2 IgG antibody testing,”](#) which was published in *PLoS ONE*. The paper demonstrates the usefulness of a new blood microsampling device from Tasso (a small company here in Seattle) that could make it easier for patients to submit their samples to our Reference Laboratory. Other faculty investigators included Drs. **Andy Hoofnagle**, **Anna Wald**, **Mark Wener**, and **Susan Fink**. The laboratory work was performed by **Tess Hendelman**, Dr. **Anu Chaudhary**, **Kim van Leuven**, **Jacque Chee**, and other staff that work in the Clinical Immunology lab.

Former Rabinovitch Lab post-doc **Jeremy Whitson** (now on the faculty of Davidson College) together with many UW collaborators authored the paper [“Elamipretide \(SS-31\) treatment attenuates age-associated post-translational modifications of heart proteins”](#) in *Geroscience*.

Drs. **Susan Fink** and **Stephen J. Polyak** are co-authors of [“Inhibition of Arenaviruses by Combinations of Orally Available Approved Drugs”](#) in *Antimicrobial Agents and Chemotherapy*. Additional DLMP authors include **Shawn Herring**, **Jessica M. Oda**, **Jessica Wagoner**, **Delaney Kirchmeier**, and **Aidan O'Connor**.

Dr. **Junyan Shi**, a former Clinical Chemistry Post-doctoral Fellow, and Dr. **Andy Hoofnagle**, the Head of the Division of Clinical Chemistry, recently led the publication of [“Calculating estimated glomerular filtration rate without the race correction factor: observations at a large academic](#)

(continued on page 7)

[medical system](#)" in *Clinica Chimica Acta*, which presented the rationale for UW Medicine to adopt an equation that estimates glomerular filtration rate without taking patient race into account, an approach that provides improved equity in the care of patients. Additional DLMP authors include Drs. **Geoffrey Baird** and **Patrick Mathias**.

Dr. **Lucy Perrone** is co-author of ["Adaptation of an electronic dashboard to monitor HIV viral load testing in Côte d'Ivoire"](#) and ["Improving laboratory quality and capacity through leadership and management training: Lessons from Zambia 2016–2018"](#) in *African Journal of Laboratory Medicine*. Dr. Perrone was interviewed for [RoK Diagnostics Podcast](#) where she speaks on the importance of medical laboratory leadership and the new DLMP initiative to launch a new certificate program.

Dr. **David M. Koelle** is senior author and Health Services Manager **Gregory Pepper** is co-author of ["Immunogenicity of repeat COVID-19 mRNA vaccinations in a patient with myasthenia gravis receiving mycophenolate, prednisone, and eculizumab"](#) published in *Journal of Translational Autoimmunity*.

Dr. **Kikkeri Naresh** co-authored ["Leukemic presentation of a highly aggressive ALK-negative anaplastic large cell lymphoma"](#) in *Blood* and ["Single-cell profiling of human bone marrow progenitors reveals mechanisms of failing erythropoiesis in Diamond-Blackfan anemia"](#) in *Science Translational Medicine*. Dr. Naresh co-authored ["Carfilzomib Enhances the Suppressive Effect of Ruxolitinib in Myelofibrosis"](#) in *Cancers*.

Drs. **Alessandro Bitto** and **Matt Kaeberlein** authored ["Evidence that C/EBP- \$\beta\$  LAP Increases Fat Metabolism and Protects Against Diet-Induced Obesity in Response to mTOR Inhibition"](#) in *Frontiers in Aging*. Drs. Bitto, Kaeberlein, and **Mitchell B. Lee** co-authored ["The AGE Presents Introduction to Geroscience video lecture series"](#) in *GeroScience*.

Drs. **He Fang**, **Xinxian Deng**, and **Christine Disteche** co-authored ["X-factors in human disease: impact of gene content and dosage regulation"](#) in *Human Molecular Genetics*. Drs. Disteche and Deng co-authored ["Single-cell landscape of nuclear configuration and gene expression during stem cell differentiation and X inactivation"](#) in *Genome Biology*. Other DLMP authors include Dr. Fang.

Drs. **Scott Kennedy**, **Monica Sanchez-Contreras**, **Mariya Sweetwyne**, and **Peter Rabinovitch** co-authored ["A replication-linked mutational gradient drives somatic mutation accumulation and influences germline polymorphisms and genome composition in mitochondrial DNA"](#) in *Nucleic Acids Research*. Other DLMP authors include

**Brendan Kohn**, **Michael Hipp**, **Elizabeth Schmidt**, **Jeanne Fredrickson**, and **Jeremy Whitson**.

DLMP members **Crane Wu**, **Yong-Jun Liu**, **Jessica Rogers**, **Peter Rabinovitch**, **Tom Small**, **Paul Swanson**, and **Matthew Yeh** published ["Role of DNA Flow Cytometry in the Diagnosis of Malignancy in Bile Duct Biopsies Using Paraffin-Embedded Tissue"](#) in the *American Journal of Clinical Pathology*.

DLMP and former DLMP members (**Dustin Bosch**, **Sarag Boukhar**, **Yongjun Liu**, **Lin Cheng**, and **Matthew Yeh**) published ["Hepatocellular carcinoma in primary sclerosing cholangitis and primary biliary cholangitis: a clinical and pathological study in an uncommon but emerging setting"](#) in *Virchows Archiv*.

Dr. **Mark W. Majesky** co-authored ["Adaptations in Hippo-Yap signaling and myofibroblast fate underlie scar-free ear appendage wound healing in spiny mice"](#) in *Developmental Cell*. Other DLMP authors include **Chris Bewer** and Dr. **Bill Mahoney**.

Dr. **Lawrence Corey** co-authored, ["Efficacy of the mRNA-1273 SARS-CoV-2 Vaccine at Completion of Blinded Phase"](#) in the *New England Journal of Medicine*.

Visit our [faculty directory](#) to see the most recent publications of a faculty member! Select a faculty member and click on the "Publications" tab on their profile.





# JUSTICE, DIVERSITY, EQUITY, AND INCLUSION (JEDI)

The **JEDI Committee** invites you to review the resources below to support your inclusion efforts and anti-racism work. The JEDI Committee is committed to fostering a diverse community that is encouraging and welcoming to all. [You can learn more about our mission on our web-page.](#)

The JEDI Committee congratulates Dr. **Sean Murphy** on his efforts to address inequities in global health in the classroom and is glad to support the attendance of one of the students involved in the project to the 2021 American Society of Tropical Medicine and Hygiene to present their work. Read more about this successful initiative below.

*In spring 2021, Dr. Sean Murphy tried a new approach to addressing DEI issues in his Micro460 (Medical Mycology & Parasitology) course. Inspired by a symposium at the 2020 American Society for Tropical Medicine and Hygiene (ASTMH) Annual Meeting, Dr. Murphy first gave the students a new lecture entitled "Decolonizing Global Health" that addressed how the histories of tropical medicine, public health, and colonialism led to racism in the field of global health. Students were then given the opportunity to write an extra credit essay on an aspect of racism and global health of their choosing. Nearly 60% of the class submitted an essay! A team of three blinded readers reviewed the essays and selected top essays for submission to the [peer-reviewed 'Decolonise Global Health' blog](#). The team also submitted an abstract to the 2021 ASTMH meeting. The poster was presented by one of the underrepresented minority students that participated in the work. The team is also working to pull together a Decolonizing Global Health Educator Interest group to continue this effort.*

JEDI Committee member **Annie Samraj**, MBBS, presented "Gender Diversity in Academic Pathology: Where Do We Stand?" for Lab Medicine Grand Rounds on November 10, 2021. The seminar reflected on the current state of gender diversity in academic pathology and DLMP and discussed the results of the Pathology Career Barriers survey.

Read "[Fund Black scientists](#)" by Dr. **Kelly R. Stevens** along with a nationwide network of BioMedical Engineering (BME) women faculty in *Cell*. "Our nationwide network of

BME women faculty collectively argue that racial funding disparity by the National Institutes of Health (NIH) remains the most insidious barrier to the success of Black faculty in our profession. We thus refocus attention on this critical barrier and suggest solutions on how it can be dismantled."

Listen to [Decolonizing Science](#), a podcast created by **Ashley Paynter**, a Biology graduate student at the Promislow lab. *Decolonizing Science* is a "grassroots organization and podcast run entirely by a black scientist currently obtaining their PhD in the field of biological sciences. The goal is to bridge the gap between activism and science by educating underprivileged communities and everyday people. The topics *Decolonizing Science* seeks to shed light on are environmental racism, health disparities and discrimination in the medical and research fields." Thanks, Ashley, for doing this important work and for sharing it with our DLMP community.

**Celebrate gender identity** and demonstrate your support by using pronouns respectfully. Pronoun badge buddies are now available at the Department of Public Safety Office for Medical Center staff and faculty. Pronoun tags can be picked up at UWMC-Montlake BB120, UWMC-Northwest B120, or HMC 1Ct-153 to add to a badge. The DLMP ordered pronoun pins for the non-clinical personnel and will distribute them this winter. [Learn about pronouns and how to use them.](#)





## UPCOMING EVENTS

Check the [DLMP events calendar](#) for the latest information about our **Lab Medicine Grand Rounds, Pathology Grand Rounds, Pathology Presents, and Lab Medicine Research Conferences**. Click "Subscribe" to sign up for a weekly reminder email and/or click on an individual event to download the information to your calendar.

**[Medical Laboratory Science \(MLS\) Undergraduate Program](#)** has an upcoming information session on Thursday, January 21 at 4pm PT. The sessions will include details about the application process, major, and career options. [Registration required; sign up for a session today](#). The deadline to apply to the MLS Undergraduate Program is February 15, 2022.

**[The Master of Science degree in Laboratory Medicine & Pathology](#)** prepares the graduate for advanced technical and supervisory positions in the clinical and research laboratories as well as pharmaceutical and diagnostic industries. Upcoming information sessions are January 11 and February 8 at 3pm PT. [Registration required; sign up for a session today](#). The deadline to apply is March 15, 2022.

## ABOUT DLMP

On July 1, 2020, the Departments of Laboratory Medicine and Pathology merged to form the **Department of Laboratory Medicine and Pathology**. A regional resource for clinical laboratory services required for innovative patient care, research and educational programs, we combine the sophisticated testing and informatics capabilities of fully accredited laboratories with the resources of an academic institution in its delivery of clinical and anatomical pathology services. Recognized for excellence in clinical training, world-class research initiatives, and a commitment to community service, we serve the five-state WWAMI region: WA, WY, AK, MT, and ID.

Learn more about DLMP at [dlmp.uw.edu](http://dlmp.uw.edu)

**UW Medicine**  
LABORATORY MEDICINE  
& PATHOLOGY

## FOLLOW DLMP ON SOCIAL MEDIA!



**The DLMP Newsletter** is an in-house newsletter published on a semi-annual basis to highlight the activities of the University of Washington School of Medicine Department of Laboratory Medicine and Pathology. It is distributed to the Department and friends of the Department.

**Background photos:** University of Washington  
**Profile photo:** UW Medicine

