

Department of Biomedical Sciences Newsletter

UNE COM moves into its new home in the Harold and Bibby Alfond Center for Health Sciences

The University of New England on June 3, 2025 inaugurated the Harold and Bibby Alfond Center for Health Sciences, a state-of-the-art medical education facility now serving as the new home of [Maine's medical school](#), marking a transformative moment in the future of medical and health professions education in Maine.



COM's Dr. Kin Ly represents IPE in Canada

Dr. Ly presented on a recent CAIEP, PHC, COM collaborative event focused on effects of pharmaceutical waste on human, planetary health.



DBMS Faculty meeting dates:

- September 25, 2025; 11am - 12pm
- October 30, 2025; 11am - 12pm
- November, 2025; 11am - 12pm

Feel free to send any agenda items for discussion at our faculty meeting to Angela Morse.

2025 UNE COM Seminars:

All seminars hosted by the department will be posted on our seminar link on our site: <https://sites.une.edu/biomedicalsciences/seminar-series/>

Shared Governance Meetings:

COMFA

Friday, October 17
12:00 pm - 1:00 pm

Wednesday, November 5
11:30 am - 12:30 pm

Wednesday, December 3
11:30 am - 12:30 pm

NOTE: Publication costs for papers which have COM students as authors are eligible to be considered for up to \$250/student by the [SGA's educational enhancement fund](#) (link enabled). These requests are vetted by the finance committee of the SGA and processed by RSAS.

[New Peer-Reviewed Publications \(from PubMed \(links enabled below\)\)](#)

[RNA Sequencing Dataset of *Drosophila* Nociceptor Translatomic Response to Injury.](#)

Hale CM, Beauchemin KJ, Brann CL, Moulton JK, **Geguchadze R**, **Harrison BJ**, Ganter GK.

Data (Basel). 2025 Feb;10(2):11.

doi: 10.3390/data10020011.

[PINK1/Parkin Deficiency Enhances Vascular Remodeling and Aggravates Hypoxia-induced Pulmonary Hypertension.](#)

Rehman R, Dieffenbach P, Vellarikkal SK, Corcoran AM, Pomales L, Arciniegas Rubio A, Zambrano-Vera K, Spyropoulos F, Kosmas K, Lam H, **Filippakis H**, Perrella MA, Fredenburgh LE, Christou H.

Am J Respir Cell Mol Biol. 2025 Jun 23.

doi: 10.1165/rcmb.2024-0349OC.

[The Unusual Suspect-Tarsal Tunnel Syndrome Due to Flexor Digitorum Brevis Hypertrophy.](#)

Schuenke MD, Thomajan CH, Hanley KC, Makkouk AH.

J Am Podiatr Med Assoc. 2025 May-Jun;115(3):23-064.

doi: 10.7547/23-064.

[Atenolol, alone or in combination with PTH, has a modest effect on bone in female C57BL/6J mice.](#)

Fontaine RL, Brooks DJ, Barlow D, Neilson RJ, Lary CW, **Houseknecht KL**, Motyl KJ. JBMR Plus. 2025 May 15;9(7):ziaz087.

doi: 10.1093/jbmrpl/ziaz087.

[Pyrogallol exhibits antimicrobial adjuvant properties against *Staphylococcus aureus* and *Staphylococcus epidermidis*.](#)

Roese KHC, Ibrahim S, Cooper LA, Yahya AS, Kang D, Tirupathigari NR, LaRose KAJ, **Houseknecht KL**, Barlow DJ, Burkholder KM.

J Appl Microbiol. 2025 Aug 4;136(8):lxaf189.

doi: 10.1093/jambio/lxaf189.

[Optimization of an Hsp90 \$\beta\$ -selective inhibitor via exploration of the Hsp90 N-terminal ATP-binding pocket.](#)

Serwetnyk MA, Strunden T, Mersich I, Barlow D, D'Amico T, Mishra SJ, **Houseknecht KL**, Streicher JM, Blagg BSJ.

Eur J Med Chem. 2025 Nov 5;297:117925.

doi: 10.1016/j.ejmech.2025.117925.

New Publications (from preprint servers (links enabled in blue below)) – a preprint, a preliminary version of a manuscript that has not completed peer review at a journal.

[Paclitaxel neurotoxicity is triggered by epidermal EG5-dependent microtubule fasciculation and X-ROS formation.](#)

Hsieh CJ, Cirrincione AM, Vlach MR, Diaz AC, Schmidt NA, Li X, Gutierrez S, Ugo MJ, Amaya Sanchez MC, Reimonn CA, Wuchty S, Pellegrini AD, Rude LR, Pappalardo LG, Regan DP, Zhao B, Zhang F, Howell C, Hrstka S, Dasari S, Capobianco E, Lisse TS, **Harrison BJ**, Staff NP, Xu MX, Rieger S.

Res Sq [Preprint]. 2025 Aug 20:rs.3.rs-5470731.

doi: 10.21203/rs.3.rs-5470731/v1.

Regional/National/International Presentations

Poster Presentations:

IAMSE Conference 2025 (Calgary, Canada) in June 2025

Kin Ly

Innovating for a Healthier Planet: Piloting an Interprofessional Event on the Effects of Pharmaceutical Waste on Human and Planetary Health

International Research Conference - 2025 TSC International Research

Conference: Engage, Accelerate, Transform. June 26-28, 2025. Bethesda, MD

Sarah Lafleur, Matthew Moyet, Aidan McGrath-Conwell, Eleanore Gray, Carleigh Rosenberg, Vishva Patel, Windrie Cox, Elizabeth P. Henske, **Harilaos Filippakis**
Targeting the Tryptophan-Kynurenine-AhR Axis to Suppress Macropinocytosis and Proliferation in Tuberous Sclerosis Complex.

Student National Medical Association (SNMA): the Regional Leadership Institute (August 2025) - Event Theme: “Rooted in Purpose & Rising in Power”

Kin Ly

Neurodiversity Within Minority Communities: Understanding, Empowering, and Patient Advocacy

Nexus Summit 2025: Staying True to our North Star - Advancing Health in the Nexus (September 2025)

Kin Ly, Aissatou Diallo, Dominique Denbow, Halina Shatravka, Jenny Marie Jobe, Sendy Lamour, Shelley Konrad

The Fight Isn't Over Until It's Over: Addressing Racism Through an Interprofessional Healthcare Lens
