

eScripts is a monthly newsletter highlighting faculty, staff, students and alumni of the University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences.



FEBRUARY 2023



Class of '22 Has a 96 Percent NAPLEX Pass Rate

The National Association of Boards of Pharmacy (NABP) released its data on Friday on the most recent North American Pharmacist Licensure Examination® (NAPLEX) passing rates for 2022 graduates. CU Pharmacy graduates did exceedingly well, with a first-time pass rate of 96%. Only two other schools had higher scores, with CU Pharmacy tied for third highest in North America.

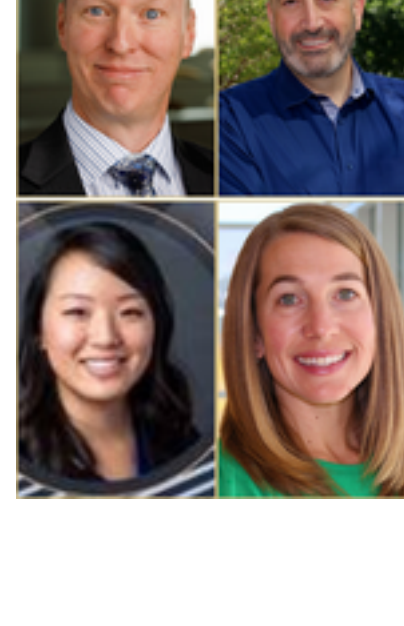
[Read the Data](#)



Announcing a New Pipeline Program with CU Denver

CU Pharmacy at the University of Colorado Anschutz Medical Campus is thrilled to announce a pharmacy pipeline program with the University of Colorado Denver (CU Denver). The partnership program allows students to enter CU Denver as an undergraduate and seamlessly transition to CU Pharmacy to earn their Doctor of Pharmacy (PharmD). The program provides both a fast-track to a PharmD and a personalized education experience.

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CU Pharmacy Featured Speakers at CPS Annual Meeting; Colorado a National Advocacy Champion

Colorado Pharmacists Society (CPS) Winter meeting saw a host of CU Pharmacy faculty and alumni in its lineup. Drs. Wes Nuffer and Joe Saseen were featured speakers, along with alumna Susie Kim, all PharmDs. Danielle Fixen, PharmD, served as the conference organizer. CPS, along with CU Pharmacy leaders, recently helped to make Colorado one of the most progressive states in which to practice pharmacy, earning it the ASHP Pharmacy Champion Award. The award specifically recognized CPS's coalition to secure passage of HB 21-1275 which provides Medicaid reimbursements for services by pharmacists. Their advocacy is being hailed as a blueprint for other states to recognize pharmacists as health care providers.



'Pharmacist for a Day' is Back

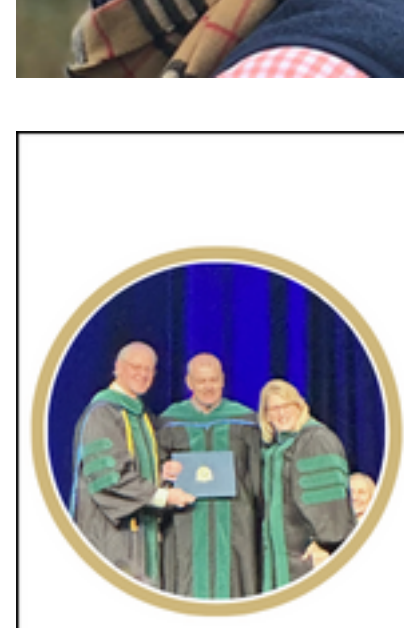
For the first time in two years, the CU Pharmacy Experiential Office is back to hosting the popular "Pharmacists for a Day" event. The co-curricular activity brings elementary school students on campus for a day of fun and learning. Pharmacy students take the lead in teaching the children ways to tell the difference between candy and medicine, as well help them experiment with some basic compounding.

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Page Selected to Co-Chair NIH Workshop

Robert Page, PharmD, was selected as the only pharmacist to co-chair a workshop for the National Heart Lung and Blood Institute (NHLBI) at the National Institutes of Health regarding "Cannabis and Cannabinoids in Health and Disease: Impact on Heart, Lung, Blood, and Sleep."



MacLaren Inducted as Master of Critical Care

Rob MacLaren, PharmD, was inducted as a Master of Critical Care Medicine (SCCM) from the Society of Critical Care Medicine at the recent Society of Critical Care Congress in San Francisco. SCCM is the largest nonprofit medical organization dedicated to promoting excellence and consistency in the practice of critical care.

Alumni Zone

Look here for the monthly alumni spotlights, upcoming events, and opportunities to get involved!



Alumni Spotlight: Harold Okocha

CU Pharmacy alumnus Harold Okocha, PharmD '12, recently discussed his pharmacy career. As a board member of the CU Pharmacy Alumni Association and a member of the School's Diversity, Equity, and Inclusion Committee, Dr. Okocha stands as a leader and role model for future pharmacists.

[Read more](#)



Black History Month Lunch & Learn Panel Discussion

Feb. 23, Noon-12:50 p.m. MT
In honor of Black History Month, a panel of alumni and students will present a moderated discussion on "Navigating the Pharmacy Profession: Leading with Diversity, Equity, and Inclusion." Hosted by the CU Pharmacy Alumni Association, in collaboration with the Career Services Office and the School's Diversity, Equity and Inclusion Committee, the event provides the opportunity for students to network with alumni and ask questions about their journey in the pharmacy profession.

[Register NOW](#)



Leal Publishes Essay to Future Pharmacists

1999 CU Pharmacy alumna Sandra Leal, PharmD, offers her sage advice to promising future pharmacists in "Letters to a Young Pharmacist, 2nd Edition." This APHA publication delivers advice and insight for new pharmacists through 35 personal letters providing practical guidance, ideas and inspiration – all drawn from the writers' experiences.

[Purchase the Book](#)



Meet 'Dr. Silver': Jeff Gold, PharmD '07, is in Netflix's New Documentary

Meet "Dr. Silver", the alter ego of 2007 alumnus Jeff Gold in his capacity as owner and operator of New Era Pro Wrestling. Jeff is also soon to be featured in the school's newsletter discussing his involvement in the Netflix documentary "Take Your Pills: Xanax."

[Read More](#)



Alumni Heroes

Honor a member of the CU Pharmacy Alumni Family who make a difference by nominating them for Alumni Heroes. Every nominee will receive a hero pin and a handwritten note from the Alumni Association.

[Nominate a peer](#)

Continuing Education

Live and online ACPE-accredited programs for life-long learning.



Advanced Diabetes Certificate Program: Use of Pattern Management in Tele-Practice

Program will begin Feb. 17. This program is designed to prepare pharmacists with the knowledge, skills, and practical training to use pattern management and technology to provide patient centered diabetes care. It provides comprehensive didactic instruction on key concepts for managing complex diabetes patients using current standards of practice and technology as well as practical training where pharmacists apply concepts in actual pharmacy practice settings.

[Learn More and register](#)

Thought Leaders

Monthly overview of faculty in the news and their published research.

In The News

- **tc1MD, Angioedema Risk No Higher With ARNI Than With ACE Inhibitors, ARBs**, feat. Robert Page, PharmD
- **Medscape**, Have a Prior Auth Problem? Introducing 'Gatekeepers of Care,' *Medscape's New Series on Challenges Accessing Cancer Treatment*, feat. Kelly Anderson, PhD
- **KOA News Radio**, *CU Professor Dr. Gina Moore talks about children's medication shortages*, feat. Gina Moore, PharmD
- **Colorado Politics**, *How Bennet will help combat 'superbugs' in a post-COVID world* | OPINION, feat. alumna Christine MacBrayne, PharmD '14

Research Roundup

- **Anticholinergic Medications and Parent-Reported Anticholinergic Symptoms in Neurologically Impaired Children**, Feinstein JA, Feudtner C, Kempe A, Orth LE. *J Pain Symptom Manage*. 2023 Feb;65(2):e100-e114. doi: 10.1016/j.painymman.2022.10.013. Epub 2022 Nov 2. PMID: 36332769
- **A Single-Step Assay for the Quantification and Characterization of Triaxo-Particulate Silica Content in Biological Matrices Using Single Particle Inductively Coupled Plasma-Mass Spectrometry**, Rogers KL, Brown JM. *Biol Trace Elem Res*. 2023 Feb;201(2):816-827. doi: 10.1007/s12011-022-03163-0. Epub 2022 Feb 23. PMID: 35195856
- **BCL2L1 Induction Mediates Sensitivity to Src and MEK1/2 Inhibition in Thyroid Cancer**, Rose MM, Espinoza VL, Hoff KJ, Pike LA, Sharma V, Hofmann MC, Tan AC, Poddreyev N, Scheweppe RE. *Cancers (Basel)*. 2023 Jan 6;15(2):378. doi: 10.3390/cancers15020378. PMID: 36672327 **Free PMC article**.
- **Burn Injury and Augmented Renal Clearance: A Case for Optimized Piperacillin-Tazobactam Dosing**, Tonan SC, Wiktor AJ, Roper SE, Laramie KE, Miller MA, Mueller SW. *J Burn Care Res*. 2023 Jan 5;44(1):203-206. doi: 10.1093/jbcr/ctac138. PMID: 36173707
- **Characterization of mitochondrial and metabolic alterations induced by trisomy 21 during neural differentiation**, Prutton KM, Marantette JD, Maclean KN, Rodeo JR. *Free Radic Biol Med*. 2023 Jan 10;198:1-21. doi: 10.1016/j.freeradbiomed.2023.01.009. Online ahead of print. PMID: 36538900
- **Characteristics of Successful International Pharmacists: Pharmstudies**, Prescott GM, Jonkman L, Crutchley RD, Dey S, Hong LT, Malhotra J, Seo SW, Kawaguchi-Suzuki M, Tsung HA, Uthi E, Tsuchihashi K, Fokan N, Abrams JP. *Pharmacy (Basel)*. 2023 Jan 11;11(1):7. doi: 10.3390/pharmacy11010007. PMID: 36649017 **Free PMC article**.
- **Correlation Between and Nursing Satisfaction With CIMA-Ar, mMINDS, and SEWS Scoring Tools for the Assessment of Severe Alcohol Withdrawal Syndrome in ICU Patients**, Bradley M, Kiser TH, Mueller SW, Reynolds PM, MacLaren R. *Ann Pharmacother*. 2023 Feb;57(2):175
- **Demographic and Clinical Characteristics of Persons with HIV with Viral Load Adherence Mismatch Who Are at Risk of Future Viremia**, Grinsteiner E, Morrow M, Mahwinny S, Coyle RP, Coleman SS, Zheng JH, Ellison L, Bushman LR, Kiser J, Anderson P, Castillo-Manolita JR, AIDS Res Hum Retroviruses. 2023 Jan 20;29(1):33-37. doi: 10.1089/AID.2021.0216. Epub 2022 Nov 18. PMID: 36301917
- **Developing a Leadership and Practice Advancement Training Curriculum for Interns: Pharmstudies in Nigeria Using the ADDIE Model**, Saliem CN, Nwizu U, Malhotra J. *Innov Pharm*. 2022 Dec 12;13(2):10.24026/ijp.v13i2.4531. doi: 10.24026/ijp.v13i2.4531. eCollection 2022. PMID: 36654717 **Free PMC article**.
- **Differences in cardiac testing resource utilization using two different risk stratification schemes**, Tyrer RJ, Whittington MD, Patterson VP, Ho M, Pincus S, Wilier JL, Michael SS. *Am J Emerg Med*. 2022 Dec 21;65:179-184. doi: 10.1016/j.ajem.2022.12.023. Online ahead of print. PMID: 36641961
- **Fatty Acid Ethyl Ethers: New Modulators of Acute Ethanol-Mediated Hepatotoxicity?** Anton P, Flutt LN, Twardy SM, McCullough RL. *Cell Mol Gastroenterol Hepatol*. 2023;15(2):505-506. doi: 10.1016/j.jcmgh.2022.11.002. Epub 2022 Nov 23. PMID: 36435276 **Free PMC article**. No abstract available.
- **Incorporating Dynamic Pricing in Cost-Effectiveness Analysis: Are Known Unknowns Valuable?** McQueen RB, Anderson KE, Levy JF, Carlson JJ. *Pharmacoeconomics*. 2023 Jan 19. doi: 10.1007/s40273-022-01230-x. Online ahead of print. PMID: 36565509
- **Piper- and poly(luocalkyl) substances (PFAS) inhibit cytochrome P450 CYP3A7 through direct coordination to the heme iron and water displacement**, Hvizdak M, Kandel SE, Work HM, Grouy EG, McCullough RL, Lampe JN. *J Inorg Biochem*. 2023 Jan 4;240:112120. doi: 10.1016/j.jinorgbio.2023.112120. Online ahead of print. PMID: 36638633
- **Pharmacokinetics, Tolerability, and Safety of Doravirine and Doravirine/Lamivudine/Tenofovir Disoproxil Fumarate Fixed-Dose Combination Tablets in Adolescents Living With HIV: Week 24 Results From IMPACT 2014**, Melker AJ, Yee KL, Gray KP, Yedla M, Wan H, Tobin NH, Tappler H, Campbell H, McCarthy K, Schecter L, Auprill B, Ounichanum P, Rungtairree S, Cassim H, McFarland E, Flynn P, Cooper E, Kridge C, Towler E, Moyer J, Best BM. *JAIDS Int Acquir Immune Defic Syndr*. 2023 Jan 6;82(2):153-161. doi: 10.1097/JAI.0000000000002016. PMID: 36215955
- **Potential Cardiovascular Benefits Associated with Bempedoic Acid Plus Ezetimibe Fixed-Dose Combination Compared with Ezetimibe Alone in Patients with Atherosclerotic Cardiovascular Disease Taking Maximally Tolerated Statins**, McQueen RB, Baum SJ, Louie MJ, Sasilew WJ, Billou A, Shah H, Nash B, Gillard KK, Ray KK. *Am J Cardiovasc Drugs*. 2023 Jan;23(1):67-76. doi: 10.1007/s40259-022-00552-7. Epub 2022 Oct 31. PMID: 36316612 **Free PMC article**. Clinical Trial.
- **BCFGL: Rapid Condition adaptive Fused Graphical Lasso and application to modeling brain region co-expression networks**, Seal S, Li Q, Basner EB, Saba LM, Kechris K. *PLoS Comput Biol*. 2023 Jan 6;19(1):e1010758. doi: 10.1371/journal.pcbi.1010758. eCollection 2023 Jan. PMID: 36607897 **Free PMC article**.
- **Restrictive Resuscitation in Patients with Sepsis and Mortality: A Systematic Review and Meta-Analysis with Trial Sequential Analysis**, Reynolds PK, Swales B S, MacLaren R. *Pharmacotherapy*. 2023 Jan 10. doi: 10.1093/ptar/ptac076. Online ahead of print. PMID: 36655779
- **Structures of human TBRLBD-JAZ1 and TBHBD-DNA complexes reveal the molecular basis of transcriptional regulation**, Liu Y, Ma L, Li M, Tian Z, Yang M, Wu X, Wang X, Shang G, Xie M, Chen Y, Liu X, Jiang L, Wu W, Xu C, Xia L, Li G, Dai S, Chen Z. *Nucleic Acids Res*. 2023 Jan 18;gkac1259. doi: 10.1093/nar/gkac1259. Online ahead of print. PMID: 36651297
- **Surface Modification of Erythrocytes with Lipid Anchors: Structure-Activity Relationship for Optimal Membrane Incorporation, in vivo Retention, and Immunocompatibility**, Gaikwad H, Wang G, Li Y, Bourne D, Simberg D. *Adv Nanobiomed Res*. 2022 Aug;2(8):2200037. doi: 10.1002/anbr.202200037. Epub 2022 Jul 19. PMID: 36591390-183. doi: 10.1177/1060280221102562. Epub 2022 Jun 17. PMID: 35713011
- **Sweet and Simple as Synuo: A Review and Guidance for Use of Novel Antihypertensive Agents for Post-Transplant Diabetes Mellitus and Type II Diabetes Mellitus After Kidney Transplantation**, Lawrence SE, Chandran MM, Park JH, Swales B, Jensen T, Choksi P, Crowther B. *Clin Transplant*. 2023 Jan 29:e14922. doi: 10.1111/ct.14922. Online ahead of print. PMID: 36708269
- **Sweetly Improving Targets? Revisiting Cinchonone's Effects on Blood Glucose**, Nuffer W, Tall Bull S, Bakhash H, Nuffer M. *J Med Food*. 2023 Jan;26(1):68-73. doi: 10.1089/jmf.2022.0073. Epub 2022 Oct 7. PMID: 36206028 **Review**.
- **The Real-World Profile of Switching to an ARNI: A Case for De Novo Sacubitril/Valsartan Initiation**, Page RL 2nd. *J Am Coll Cardiol*. 2023 Jan 31;81(4):332-335. doi: 10.1016/j.jacc.2021.11.024. PMID: 36697133 No abstract available.
- **Updating the adherence-response for oral F-TDF for PrEP among cisgender women**, Anderson PL, Marzirke MA, Gladden DV. *Clin Infect Dis*. 2023 Jan 16;ciad021. doi: 10.1093/cid/ciad021. Online ahead of print. PMID: 36645709