



Division of Infectious Diseases

SCHOOL OF MEDICINE

UNIVERSITY OF COLORADO ANSCHUTZ MEDICAL CAMPUS



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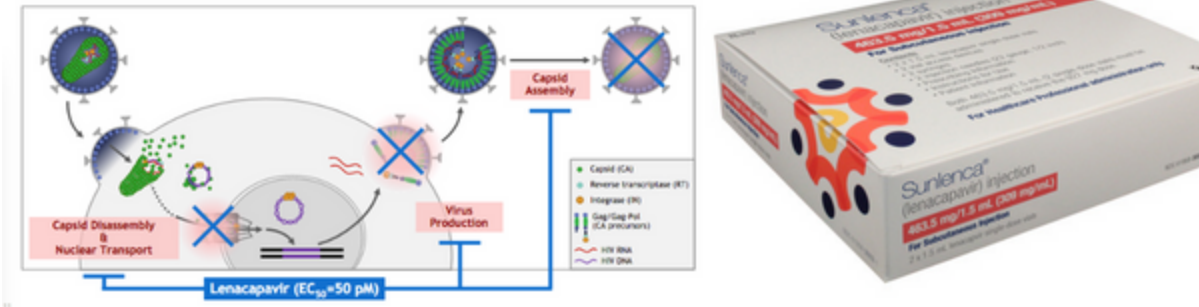
New Promotions

Katherine Frasca, Laura Damioli, and Hermione Hurley received the great news in February that they have been promoted to the rank of Associate Professor of Medicine. Congratulations to each of them on these well-deserved promotions!

Lenacapavir: An Exciting New Anti-retroviral Drug

The FDA has now [approved](#) the long-acting, multi-modal and ultra-potent anti-retroviral drug [Lenacapavir](#). Division laboratories led by Mamuka Kvaratskhelia have contributed to basic science discoveries on Lenacapavir (Read more [1](#), [2](#)). The drug binds with high (picomolar) affinity to the HIV-1 capsid at two adjoining capsid subunits. It promotes distal intra- and inter-hexamer interactions that stabilize the curved capsid lattice. In addition, Lenacapavir interferes with capsid binding to the cellular HIV-1 cofactors Nup153 and CPSF6 that mediate viral nuclear import and direct integration into gene-rich regions of chromatin. Led by Katherine Frasca and Tom Campbell, CU Anschutz is a site for Gilead's PURPOSE 2 study of Lenacapavir for PrEP ([Read more](#)). Patients who are interested in learning more about the study can visit the PURPOSE 2 [website](#) to see if they might qualify. Providers and patients can also contact [Joanna Nowakowski](#) or [Nicola Haakonsen](#) for more information.

Lenacapavir: A long-acting first-in-class HIV capsid inhibitor



Recent Publications



Margaret Fitzpatrick

Margaret Fitzpatrick published two recent papers:

"Comparative effectiveness of antibiotic therapy for carbapenem-resistant Enterobacterales (CRE) bloodstream infections in hospitalized US veterans" in *JAC - Antimicrobial Resistance*. [Read more.](#)

"Clinical outcomes associated with guideline-discordant management of asymptomatic bacteriuria and urinary tract infection in hospitalized patients with neurogenic bladder" in *Antimicrobial Stewardship & Healthcare Epidemiology*. [Read more.](#)



Joshua Barocas

In a recent viewpoint [article](#) in *JAMA Health Forum*, substance use disorder (SUD) expert Joshua Barocas and colleague Cole Jurecka write that science must lead the way in addressing the growing fentanyl public health crisis. "Ultimately, there is enough existing evidence to guide smart and effective policy making to decrease overdose deaths. To achieve this singular goal, medications for opioid use disorder (MOUD) and harm reduction programs need to be implemented." [Read more.](#)



Andrés Henao-Martinez

Andrés Henao-Martinez was an author on a paper in *Lancet* reporting on a total of 136 patients with monkeypox infection in women and non-binary individuals across 15 countries. They note that clinical features of monkeypox in women and non-binary individuals were similar to those described in men. The prevalence of HIV co-infection in the cohort was high. [Read more.](#)



Amelia Davis

Amelia Davis, who worked with Kristine Erlandson as a medical student, recently published her third paper from her research as a medical student and was also awarded one of the IDSA GERM Awards. She is now in the HIV track at the University of Washington Internal Medicine program. It is great to hear the success of students who are interested in ID!

"Perspectives of people living with HIV age 50 and over regarding barriers and resources for care" in *AIDS Care*. [Read more.](#)

"Risk Factors for Hospitalization in People with HIV and COVID-19" in *Journal of Acquired Immune Deficiency Syndromes*. [Read more.](#)

"Strengths and Challenges of Various Models of Geriatric Consultation for Older Adults Living with Human Immunodeficiency Virus" in *Clinical Infectious Diseases*. [Read more.](#)

Grants Received



Eric Poeschla & Mario Santiago

Eric Poeschla has been awarded a VA Merit Grant, with Mario Santiago as Co-Investigator. The grant ("*SARS-CoV-2 and Innate Immunity: Mechanisms of Resistance to Human Interferons*") will take forward their collaborative project published in July 2022 in the *Proceedings of the National Academy of Sciences* [paper](#) on evolution of this sarbecovirus to thwart the human innate immune system since it crossed the species barrier in 2019 from bats or another intermediate mammal to humans.



Kristine Erlandson

Kristine Erlandson received a fundable score on her K24 mentoring award. Final funding decisions have not yet been released, but she is optimistic that it will be funded.

Kristine is also a co-investigator on two recently funded grants: An R01 exploring the implications of frailty on care and policy in

people with HIV (PI Elena Losina at MGH), and an R21 Fogarty grant looking at mitochondrial function and HIV-associated cardiometabolic diseases in South African and Kenya (PI Hans Striendom at Stellenbosch University).

Other Division News

ID Fellowship Training Program

Congratulations to Brian Montague, Michael Haden, and Chelsea McFarland for receiving no citations or concerns with this year's Accreditation Council for Graduate Medical Education (ACGME) Annual Program Review for our Clinical Fellowship Program. The Review Committee commended the program for its demonstrated substantial compliance with the ACGME's requirements.

Margaret Fitzpatrick

Margaret Fitzpatrick was selected to participate in the AMA Project Firstline Infection Prevention and Control (IPC) Faculty Workgroup, which is funded by a grant from the CDC. The national Workgroup will convene for the next 9 months and will focus on identifying gaps and enhancing training available to build physician and trainee knowledge and capacity around IPC in health care settings. Congrats, Meg!

Jose Henao Cordero

Congratulations to Jose Henao Cordero who was accepted to present two posters at the American Transplant Congress in June.

Kristine Erlandson

Congratulations to Kristine Erlandson who is an invited speaker at the NIH Summit: Geroscience for the Next Generation in April. [Registration](#) is free for those who are interested.

Additionally, Kristine's HIV and exercise study was recently highlighted in UCHHealth "Can exercise prolong life for aging people with HIV?" [Read more.](#)

Visit the [ID Division Website](#)

