



# **Infectious Diseases Division Newsletter**

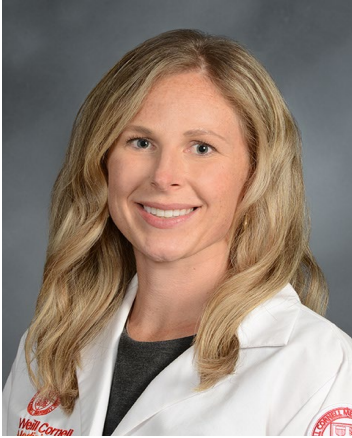
## **INSIDE THIS ISSUE**

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# Awards and Honors



Congratulations to **Carrie Johnston**, who was accepted into the 2023-2024 Leadership in Academic Medicine Program (LAMP).



Congratulations to **Khanh Pham**, who received the Loan Payment Program (LRP) award, funded by the NIAID.



## Awards and Honors

### **NewYork-Presbyterian Hospital Receives 5-Star CMS Rating:**

CMS stars reflect performance in safety of care, mortality, readmissions, patient experience, and the timeliness and effectiveness of care.

The rating this year is driven by improvements in key patient safety indicators, in mortality, patient experience scores, and hospital-acquired infection rates.





# Appointments and Transitions



Welcome to **Yotam Arens**, who joined the I.D. Division as an Instructor in Medicine, his primary role will be in the Center for Special Studies (CSS). His email address is: [yoa4003@med.cornell.edu](mailto:yoa4003@med.cornell.edu).



# Grants



Congratulations to **Adeel Butt**, who received a R21, entitled: “Oral Antivirals against COVID-19 and Clinical Outcomes in High Risk Populations”.  
([Link](#))



Congratulations to **Michael Corley**, who received a grant through the National Institute of Mental Health, entitled: “Decoding epigenetic scars of smoldering neuroinflammation and CNS complications in people with HIV”.



Congratulations to **Lish Ndhlovu**, who received an R01, entitled: “Defining the Immunogenicity and Efficacy of a Durable BCG Vaccine Strategy Optimized for Preventing TB in Pediatric HIV Infection”.





## Other News



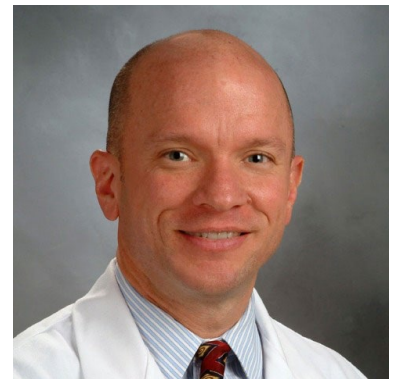
**IAS 2023**  
23 – 26 July

The I.D. Division was well-represented at The International AIDS Conference in Brisbane, Australia from July 23 to July 26.



**Marina Caskey:**  
Track A (Basic Science) -  
Chair

**Trip Gulick:**  
Track B (Clinical Science) -  
Committee Member



**Lish Ndhlovu:** Track A  
(Rapporteur)





## Other News



**IAS 2023**  
23 – 26 July

### Presentations:



**Andrea Gramatica** (oral): The EZH2 inhibitor Tazemetostat increases MHC-I antigen presentation *in vitro* and *in vivo*, enhancing antiviral activities of HIV-specific CTLs



**Sallie Permar** (oral): Immunological rationale for early childhood immunization against HIV



## Other News



**IAS** 2023  
23 – 26 July

### Abstracts:

- **Scott Bowler et al.:** Microbial dysbiosis is associated with peripheral inflammation in vertically infected youth with HIV on stable anti-retroviral therapy
- **Giny Fouda et al.:** Viral rebound dynamics in SHIV-infected infant macaques are predicted by distinct immunovirologic features measured before and after one year of antiretroviral therapy
- **Preeti Moar et al.:** Elevated plasma galectin-9 among vertically infected youth with HIV on ART is associated with inflammation and cognitive performance

### E-posters

- **Guinevere Lee et al.:** Tat diversity in intact versus defective proviral HIV-1 DNA genomes across viral subtypes
- **Thomas Premeaux et al.:** Support vector machine classification modeling identifies composite biomarkers predictive of non-AIDS events in people with HIV on suppressive anti-retroviral therapy
- **Stephen Yeung et al.:** Plasma derived extracellular vesicles modulate monocyte function in adults with HIV-related cognitive impairment





# Newsroom Updates



**Laura Kirkman** was featured in the following:

[Health Matters](#): “Why You Might Be a Magnet for Mosquito Bites”

**Tim Wilkin** was featured in the [ACTG July 2023 Newsletter](#): “First STOMP International Site is Open (in Mexico)!”





# Divisional Publications

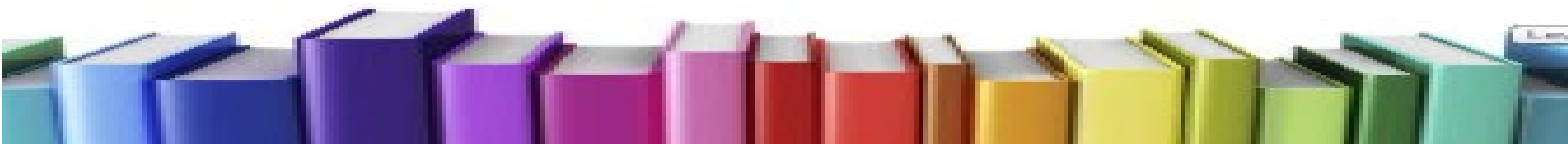
- **Butt AA**, Coyle PV, Abu-Raddad LJ, Tang P, Khalife S, Yacoubian T, Bertollini R. Middle East respiratory syndrome coronavirus (MERS-CoV) and the 2022 world cup football tournament in Qatar. *J Travel Med.* 2023 May 25:taad052. doi: 10.1093/jtm/taad052. Epub ahead of print. [PMID: 37228022](#).
- Chen, X., Wang, Y., Cappuccio, A., **Ndhlovu, L.**, et al. Mapping disease regulatory circuits at cell-type resolution from single-cell multiomics data. *Nat Comput Sci* 3, 644–657 (2023). <https://doi.org/10.1038/s43588-023-00476-5>
- Joseph, J., **Premeaux T. A.**, Pinto, D. O., Rao, A., Guha, S., Panfil, A. R., Carey, A. J., **Ndhlovu L. C.**, Bergmann-Leitner, E. S., & Jain, P. (2023). Retroviral b-Zip protein (HBZ) contributes to the release of soluble and exosomal immune checkpoint molecules in the context of neuroinflammation. *Journal of Extracellular Biology*, 2, e102. <https://doi.org/10.1002/jex2.102>
- Lake JE, Taron J, Ribaldo HJ, Leon-Cruz J, Utay NS, Swaminathan S, Fitch KV, Kileel EM, Paradis K, Fulda ES, Ho KS, Luetkemeyer AF, **Johnston CD**, Zanni MV, Douglas PS, Grinspoon SK, Lu MT, Fichtenbaum CJ; REPRIEVE Trial Investigators. Hepatic steatosis and NAFLD are common and associated with cardiometabolic risk in a primary prevention cohort of people with HIV. *AIDS.* 2023 Jul 28. doi: 10.1097/QAD.0000000000003671. Epub ahead of print. [PMID: 37503623](#).
- O'Halloran JA, Ko ER, Anstrom KJ, Kedar E, **McCarthy MW**, Panettieri RA Jr, Maillo M, Nunez PS, Lachiewicz AM, Gonzalez C, Smith PB, de Tai SM, Khan A, Lora AJM, Salathe M, Capo G, Gonzalez DR, Patterson TF, Palma C, Ariza H, Lima MP, Blamoun J, Nannini EC, Sprinz E, Mykietiuk A, Alicic R, Rauseo AM, Wolfe CR, **Witting B**, Wang JP, Parra-Rodriguez L, Der T, **Willsey K**, Wen J, Silverstein A, O'Brien SM, Al-Khalidi HR, Maldonado MA, Melsheimer R, Ferguson WG, McNulty SE, Zakrofsky P, Halabi S, Benjamin DK Jr, Butler S, Atkinson JC, Adam SJ, Chang S, LaVange L, Proschan M, Bozzette SA, Powderly WG; ACTIV-1 IM Study Group Members. Abatacept, Cenicriviroc, or Infliximab for Treatment of Adults Hospitalized With COVID-19 Pneumonia: A Randomized Clinical Trial. *JAMA.* 2023 Jul 25;330(4):328-339. doi: 10.1001/jama.2023.11043. PMID: 37428480; [PMCID: PMC10334296](#).





# Divisional Publications

- **Premeaux TA, Ndhlovu LC.** Decrypting biological hallmarks of aging in people with HIV. *Curr Opin HIV AIDS*. 2023 Jul 7. doi: 10.1097/COH.0000000000000810. Epub ahead of print. [PMID: 37421383](#).
- Rosen EP, White N, Gilliland WM Jr, Gerona RR, Gandhi M, Amico KR, Mayer KH, **Gulick RM**, Kashuba ADM. Mass spectrometry imaging of hair identifies daily maraviroc adherence in HPTN 069/ACTG A5305. *PLoS One*. 2023 Jun 23;18(6):e0287449. doi: 10.1371/journal.pone.0287449. PMID: 37352285; [PMCID: PMC10289441](#).
- Shahrir S, Crothers K, McGinnis KA, Chan KCG, Baeten JM, Wilson SM, **Butt AA**, Pisani MA, Baldassarri SR, Justice A, Williams EC. Receipt of Smoking Cessation Medications Among People With and Without Human Immunodeficiency Virus in the Veterans Aging Cohort Study (2003-2018). *Open Forum Infect Dis*. 2023 Feb 20;10(3):ofad089. doi: 10.1093/ofid/ofad089. PMID: 36968969; [PMCID: PMC10034589](#).
- Schuetz A, **Corley M**, Sacdalan C, Phuang-Ngern Y, Nakpor T, Wansom T, Ehrenberg PK, Sriplienchan S, Thomas R, Ratnaratorn N, Sukhumvittaya S, Tragonlugsana N, Slike BM, Akapirat S, Pinyakorn S, Rerknimitr R, **Pang AP**, Kroon E, Teeratakulpisan N, Krebs SJ, Phanuphak N, **Ndhlovu LC**, Vasan S. Distinct mucosal and systemic immunological characteristics in transgender women potentially relating to HIV acquisition. *JCI Insight*. 2023 Jul 11:e169272. doi: 10.1172/jci.insight.169272. Epub ahead of print. [PMID: 37432754](#).
- Suelen H. Qassim, Hiam Chemaitelly, Houssein H. Ayoub, Peter Coyle, Patrick Tang, Hadi M. Yassine, Asmaa A. Al Thani, Hebah A. Al-Khatib, Mohammad R. Hasan, Zaina Al-Kanaani, Einas Al-Kuwari, Andrew Jeremijenko, Anvar Hassan Kaleeckal, Ali Nizar Latif, Riyazuddin Mohammad Shaik, Hanan F. Abdul-Rahim, Gheyath K. Nasrallah, Mohamed Ghaith Al-Kuwari, **Adeel A. Butt**, Hamad Eid Al-Romaihi, Mohamed H. Al-Thani, Abdullatif Al-Khal, Roberto Bertollini, Laith J. Abu-Raddad, Population immunity of natural infection, primary-series vaccination, and booster vaccination in Qatar during the COVID-19 pandemic: an observational study, *eClinicalMedicine*, <https://doi.org/10.1016/j.eclinm.2023.102102>.





# Important Dates

August I.D. Faculty Meeting  
CANCELLED

Next Meeting: 9/11 from 12PM -1PM  
(Mondays –  
Switched from Thursdays)



Labor Day  
(WCM Holiday)



First Advanced Topics at the  
new date/time (Thursdays)  
8:30AM – 9:30AM



8th Annual Weill Department  
of Medicine Research Retreat



State of the Department of Medicine  
at Medical Grand Rounds  
from 8AM – 9AM



IDSNY Intercity Rounds  
At 5:30PM – 7:30PM  
([Link](#))