



**Weill Cornell**  
**Medicine**

**August 2022**

# **Infectious Diseases**

## **Division Newsletter**

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# Appointments and Transitions



Congratulations to **Guinevere Lee**, who was appointed as Assistant Professor of Microbiology and Immunology (secondary appointment), effective August 15, 2022.



Congratulations to **Douglas Nixon**, who was appointed as WCM Area of Concentration (AOC) Pathway Advisor.



The I.D. Division hosted a farewell reception for **Susan Ball**, who formally retired after thirty years of distinguished service. She also was appointed as WCM Professor Emerita.



## Grants



Congratulations to **Brad Jones**, who received an R21 grant entitled: “A participant-derived xenograft mouse model to study T-cell-mediated viral control and mRNA vaccine strategies”.



Congratulations to **Shashi Kapadia**, who received a NYS Department of Health grant entitled: “Epidemiology and outcomes of serious injection-related infections in New York”.



Congratulations to **Lish Ndhlovu** on his new RO1 award entitled: “Targeting CNS reservoirs with CAR/CXCR5 T cells for the long-term remission of HIV”.

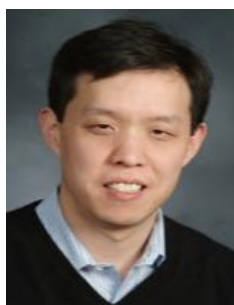




## Grants



Congratulations to **Jyoti Mathad**, who received a \$3.5M research grant from the National Institute of Mental Health for a study entitled, "HIV, Gestational Diabetes and TB in Pregnancy."



Congratulations to **Dan Fitzgerald** and **Kyu Rhee**, who received a \$5 million Tri-Institutional Tuberculosis Research Advancement Center grant from the National Institute of Allergy and Infectious Diseases (NIAID) in support of tuberculosis (TB) research training.





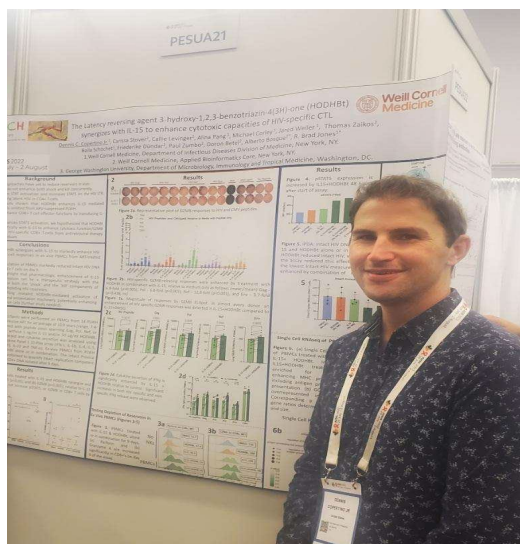
## Other News



The I.D. Division was well-represented at The International AIDS Conference in Montreal, Canada, from July 29 to August 2.



**Marina Caskey** gave a symposium talk entitled: “Combination therapies with bNAb” and served as a panel discussant on African HIV cure research.



**Dennis Copertino** presented an in-person poster entitled: “The LRA HODHBt synergizes with IL-15 to enhance the cytotoxic capacity of HIV specific CTL”.





## Other News



### Continued:

**Trip Gulick** gave a symposium talk entitled: “New Drugs for HIV”.



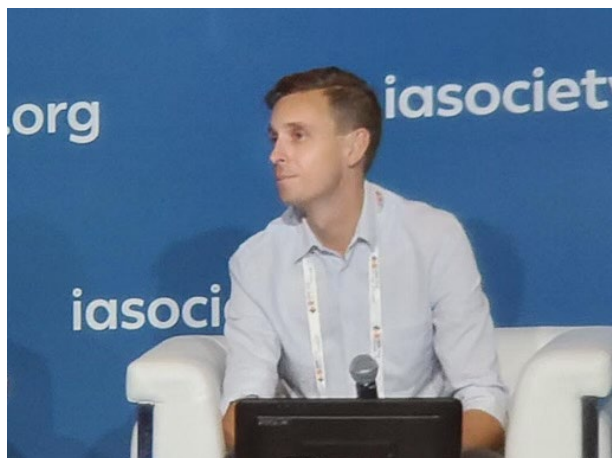
**Carrie Johnston** spoke at the Global Village and presented an e-abstract entitled: “Plasma extracellular vesicles and cell-free mitochondrial DNA are associated with cognitive dysfunction in treated older adults with HIV”.



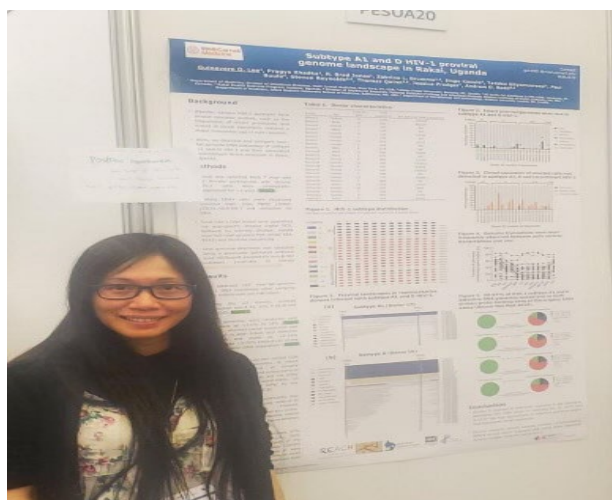
## Other News



### Continued:



**Brad Jones** served on the organizing committee as Track A (Basic Science) Chair, led several sessions and presented an oral abstract entitled: “SARS-CoV-2 mRNA vaccination exposes latent HIV to Nef-specific CD8+ T cells”.



**Guinevere Lee** presented an in-person poster entitled, “Subtype A1 and D HIV-1 proviral genome landscape in Rakai, Uganda” and an e-poster entitled “Viral genome-intactness bioinformatics for subtype A1 and D HIV-1” and served as a rapporteur for Track A (Basic Science).



## Other News



### Continued:



**Lish Ndhlovu** chaired an oral abstract session and co-authored an e-abstract, “Tissues as tools in HIV-1 cure research”, (along with **Douglas Nixon**).



**Adam Ward** presented an in-person poster entitled: “No evidence that ongoing HIV-specific immune responses contribute to persistent inflammation and immune activation in persons on long-term suppressive ART”.

 **AIDS 2022**  
29 July - 2 August

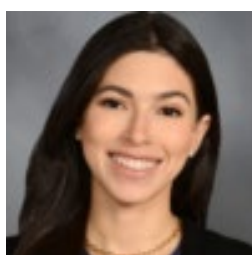
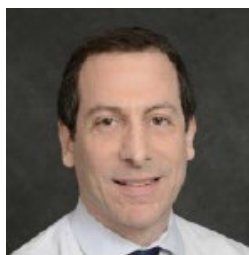




## Other News



**Dave Calfee** presented at the Medicine Grand Rounds at the University of Michigan “The Impact of Health Inequity on Healthcare-Associated Infection Risk and Prevention” and served as a Visiting Professor.



On August 30th, **Marshall Glesby** and **Heidi Torres** presented as moderators for the International Antiviral Society-USA, session on “What You Need to Know About the Diagnosis and Treatment of Human Monkeypox Virus”. ([Link](#))



**Rosy Priya Kodiyanplakkal** presented at the Medicine Grand Rounds Summer Series “Updates in Infectious Diseases” on 8/31/2022.



## Other News

### 2022 Department of Medicine Annual Report

Featured: The Transplant/Oncology Infectious Diseases Clinical  
Research Unit ([Link](#))



Profiles of:

- **Brad Jones** ([Link](#))
- **Lish Ndhlovu** ([Link](#))





# Newsroom Updates



**Marshall Glesby** was featured in the following:

- [AXIOS](#): “Alternate Monkeypox Treatment Caught in Regulatory Delays”, where he talked about Fears about shortages of monkeypox vaccine.
- [MIAMI HERALD](#): “What Does Monkeypox Feel Like? Here’s What Those Who’ve Had Painful Symptoms Say”, where he talks about the symptoms of monkeypox.
- [MIAMI HERALD](#): “How does monkeypox spread? What you need to know as US cases rise”, where he talks about who can catch monkeypox.
- [SAVANNAH MORNING NEWS](#): “Monkeypox vaccines are now available in Chatham County by appointment”, where he mentioned an example where two children were diagnosed with the virus.
- [THE PALM BEACH POST](#): “Is Your Rash a Symptom of Chickenpox, Measles or Monkeypox? How to Tell As Virus Spreads in Florida”, where he talks about what monkeypox look like.
- [VERYWELL](#): “Tpoxx Is Our Best Bet For Treating Monkeypox. So Why Is It So Hard To Get?”, where talks about treatment for monkeypox.



# Newsroom Updates



**Trip Gulick** was featured in the following:

- **ABC NEWS**: “Less Than 60% Of Kids Are Vaccinated Against Polio In Some NYC Neighborhoods”, where he commented on the possibility that several hundred people have been exposed to the polio virus since a case of paralysis has been found.
- **FOX**: “Polio Virus Found In New York Wastewater”, where he commented on the polio virus, which is highly contagious and can result in paralysis. He urges everybody to get vaccinated.
- **THE WALL STREET JOURNAL**: “What Is Monkeypox? What To Know About Symptoms, Vaccines And How It Spreads”, where he commented on TPOXX, an antiviral approved to treat patients with severe cases of monkeypox.
- **TIME MAGAZINE**: “How the Monkeypox Virus Does—and Doesn't—Spread”, where he explained explains that monkeypox can potentially be spread by any form of skin-to-skin contact, not just sexual activity. As a result, monkeypox is not considered a traditional sexually transmitted infection.
- **PIX 11**: “Doctor Explains Monkeypox, Polio Situations In NYC”, where he discussed the monkeypox and polio situation in New York City and the availability of vaccines.
- **WABC-TV**: “Monkeypox Outbreak”, where he explained the plan of disseminating the monkeypox vaccines by splitting doses to make it available for more people who may want it.
- **WASHINGTON POST**: “Doctors treating monkeypox complain of ‘daunting’ paperwork, obstacles”, where he, among other doctors dealing with increasing cases of monkeypox, report that there is a burdensome amount of paperwork and assessments to complete to obtain the necessary drug (Tpoxx) from the Strategic National Stockpile.



## Newsroom Updates



**Brad Jones** was featured in the following articles:

- [WCM Newsroom](#): “SARS-CoV-2 mRNA Vaccination Exposes Latent HIV in Lab Studies”.
- [CORNELL CHRONICLE](#): “Vaccination exposes latent HIV in lab studies”.



On August 15<sup>th</sup>, **Lish Ndhlovu** was featured in the following article:

[AIDSMAP](#): “We still have no HIV cure. But we have a better strategy for finding one”.







## Divisional Publications

- **Butt AA**, Talisa VB, Yan P, Shaikh OS, Omer SB, Mayr FB. Vaccine Effectiveness of Three vs. Two Doses of SARS-CoV-2 mRNA Vaccines in a High Risk National Population. Clin Infect Dis. 2022 Mar 4:ciac178. doi: 10.1093/cid/ciac178. Epub ahead of print. PMID: 35245940; [PMCID: PMC8903438](#).
- Derry-Vick HM, **Johnston CD**, Brennan-Ing M, Burchett CO, Glesby N, Zhu YS, Siegler EL, **Glesby MJ**. Pain is associated with depressive symptoms, inflammation, and poorer physical function in older adults with HIV. Psychosom Med. 2022 Jul 27. doi: 10.1097/PSY.0000000000001119. Epub ahead of print. [PMID: 35980785](#).
- **Duarte RRR**, Pain O, **Furler RL**, **Nixon DF**, **Powell TR**. Transcriptome-wide association study of HIV-1 acquisition identifies *HERC1* as a susceptibility gene. iScience. 2022 Aug 4;25(9):104854. doi: 10.1016/j.isci.2022.104854. PMID: 36034232; [PMCID: PMC9403347](#).





## Divisional Publications

- Mayer KH, Yuhas K, Amico KR, **Wilkin T**, Landovitz RJ, Richardson P, Marzinke MA, Hendrix CW, Eshleman SH, Cottle LM, Marcus C, Chege W, Rinehart AR, Rooney JF, Andrew P, Salata RA, Magnus M, Farley JE, Liu AY, Frank I, Ho K, Santana J, Stekler JD, Chen YQ, McCauley M, **Gulick RM**; HPTN 069/ACTG 5305 Study Team. Sexual behavior and medication adherence in men who have sex with men participating in a pre-exposure prophylaxis study of combinations of Maraviroc, Tenofovir Disoproxil Fumarate and/or Emtricitabine (HPTN 069/ACTG 5305). AIDS Behav. 2022 Jun 10. doi: 10.1007/s10461-022-03736-z. Epub ahead of print. [PMID: 35687192](#).
- **Ward AR**, Thomas AS, **Stevenson EM**, Huang SH, Keating SM, Gandhi RT, McMahon DK, Bosch RJ, Macatangay BJ, Cyktor JC, Eron JJ, Mellors JW, **Jones RB**; ACTG A5321 Team. No evidence that circulating HIV-specific immune responses contribute to persistent inflammation and immune activation in persons on long-term ART. AIDS. 2022 Jun 23. doi: 10.1097/QAD.0000000000003301. Epub ahead of print. [PMID: 35730388](#).
- Yu EA, Alemán JO, Hoover DR, Shi Q, Verano M, Anastos K, Tien PC, Sharma A, Kardashian A, Cohen MH, Golub ET, Michel KG, Gustafson DR, **Glesby MJ**. Plasma metabolomic analysis indicates flavonoids and sorbic acid are associated with incident diabetes: A nested case-control study among Women's Interagency HIV Study participants. PLoS One. 2022 Jul 8;17(7):e0271207. doi: 10.1371/journal.pone.0271207. PMID: 35802662; [PMCID: PMC9269977](#).





# Important Dates



**I.D. Faculty Meeting**  
8:30AM to 9:30AM  
([Zoom Link](#))



Register for 2-Part Webinar Series on  
**Monkeypox**  
[Registration Link](#)  
The International Antiviral Society–USA  
Featuring **Marshall Glesby** and **Jay Varma**



**Viral Infections and Inflammation  
Workshop**  
[Registration Link](#)

**Lish Ndhlovu** presenting- “Innate  
Immune Activation in Acute HIV”



**Farewell Reception**  
**Dr. Tony Hollenberg**  
Harkness Courtyard  
5PM - 7PM