



Duke CFAR eNewsletter - October 2015

Announcements

Dr. Christina Meade, Associate Professor of Psychiatry and Global Health, has recently received The National Institute on Drug Abuse (NIDA)'s Avenir Award. This esteemed award is presented to creative, early stage investigators who propose highly innovative studies for improved prevention and treatment of HIV within substance using populations who are infected with, or at risk for, HIV/AIDS. Dr. Meade's grant, "Decision Making and HIV Risk: New Approaches to NeuroAIDS Research in Drug Users," will combine respondent-driven sampling and mobile health technology to examine the influence of addiction on decision-making processes and HIV risk behavior among active drug users in real-world settings. As an Avenir Awardee, Dr. Meade will receive up to \$300,000 per year for five years to support her innovative research.

The CFAR Immunology Core will be testing a new 13-color CytoFLEX cytometer. It will be available for use for 6 months. Investigators are welcome to test the cytometer at no charge if they agree to share their data and details about their experiment with Beckman Coulter.

Please contact [Janet Staats](#) for more information or to schedule time on the instrument.

Congratulations to CFAR member, LaTonya Williams!

Her abstract was selected as a 2015 National CFAR Junior Investigator Presentation. Her poster will be featured at The National CFAR Scientific Symposium, hosted by the University of Washington/Fred Hutch CFAR on November 5, 2015 on the University of Washington campus. The poster will be presented at an evening Gala Dinner at the Bill and Melinda Gates Foundation (BMGF).

Medical Education Partnership Initiative Is Renewed

The Fogarty International Center within the National Institutes of Health has renewed funding for the five-year Medical Education Partnership Initiative (MEPI) between Kilimanjaro Christian Medical University College (KCMC) and the Duke Global Health Institute (DGHI).

A special thanks to **Madison Hayes** of the UNC CFAR for help getting the Duke CFAR eNewsletter started!

Become a Duke CFAR Member

Core Spotlight

**NEW PUBLICATION from the Duke CFAR
Social and Behavioral Health Sciences (SBS) Core**

Review of Mental Health Interventions for people living with HIV in LMICs

The Duke CFAR Social and Behavioral Health Sciences (SBS) Core has expertise in global mental health research and the intersections of mental health with HIV prevention and treatment. The SBS Core, led by Dr. Kathy Sikkema, has recently published a new manuscript entitled: *Improving mental health among people living with HIV: a review of intervention trials in low- and middle-income countries (LMICs)*. The review identified 26 papers, published between 2000 and 2014, describing 22 unique interventions. Trials were implemented in sub-Saharan Africa, Asia, and the Middle East, and addressed mental health using a variety of approaches, including cognitive-behavioral, family-level, and pharmacological treatments. Four randomized controlled trials reported significant intervention effects in mental health outcomes, and 11 preliminary studies demonstrated promising findings. The authors conclude that among the limited mental health intervention trials with people living with HIV

(PLWH) in low and middle income countries (LMICs), few demonstrated efficacy. Mental health interventions for PLWH in LMICs must be further developed and adapted for resource-limited settings to improve effectiveness. [Download the publication here](#)

KJ Sikkema, AC Dennis, MH Watt, KW Choi, T Yemeke, J Joska. (2015) Interventions to improve mental health among people living with HIV in low and middle income countries. *Global Mental Health*. 2:e19-42. PMID: PMC4589870

Upcoming Events

[Global Health Student Research Training Information Session](#)

Thursday, October 15, 2015

Trent 124

[World Food Day: Bringing Hunger Home](#)

Friday, October 16, 2015

Bryan Center Von Canon Rooms

[Duke AIDS Research and Treatment \(DART\) Community Advisory Board Meeting](#)

Monday, October 19, 2015

Trent 124

[Learning About Mindfulness, Reflective Practice and Caregiver Well-being from Community Caregivers in a South African Rural Community](#)

Tuesday, October 20, 2015

Trent 040

[Mental Health Response to the Nepal Earthquake](#)

Wednesday, October 21, 2015

Trent 040

[CISCRP AWARE for All](#)

Thursday, October 22, 2015

Friday Center in Chapel Hill

[The Sustainable Development Goals: How Did We Get Here and Where Are We Going?](#)

Thursday, October 22, 2015

Trent 040

[Showcase: An Event Highlighting Student Global Health Research](#)

Monday, October 26, 2015

Trent Semans Center for Health Education - Great Hall

[Healing After Disaster: A Two-Part Series on Duke's Global Health Work in Nepal Following the 2015 Earthquakes](#)

Tuesday, October 27, 2015

Trent 040

[Reflections Six Months After the Nepal Earthquakes: Restoring Physical Health for the Injured](#)

Tuesday, October 27, 2015

Trent 040

[Ebola in Sierra Leone: Impact, Lessons Learned and The Way Forward](#)

Thursday, October 29, 2015

Trent 040

[Improving Pneumonia Outcomes of HIV-Exposed Uninfected Children in Botswana](#)

Wednesday, November 4, 2015

Trent 040

All Upcoming Events

Funding Opportunities

Ending soon

Creative and Novel Ideas in HIV Research Pilot Program

Due date: Friday, October 16, 2015

- Awards will be funded for 1-2 years, up to \$150,000 (direct costs) per year plus applicable indirect costs.
- Ten to twelve grants will be awarded in conjunction with the 21st International AIDS Conference, which will be held in Durban, South Africa from July 17-22, 2016.

Request for proposals: [PDF](#)

Visit the CNIHR [website](#) for further information

Duke CFAR Fall Request for Proposals

Due date: Thursday, October 22, 2015

One year of funding, with up to \$40,000 in direct costs.

Request for Proposals - [PDF](#)

New Characterization of Mycobacterial Induced Immunity in HIV-infected and Uninfected Individuals (R21)

<http://grants.nih.gov/grants/guide/pa-files/PAR-15-360.html>

Scientific/Research Contact(s)

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All Current Funding

Publications citing Duke CFAR

Please remember to cite the Duke CFAR: P30 AI064518

New [Dual-Affinity Re-Targeting proteins direct T cell-mediated cytolysis of latently HIV-infected cells.](#)

Sung JA, Pickeral J, Liu L, Stanfield-Oakley SA, Lam CK, Garrido C, Pollara J, LaBranche C, Bonsignori M, Moody MA, Yang Y, Parks R, Archin N, Allard B, Kirchherr J, Kuruc JD, Gay CL, Cohen MS, Ochsenbauer C, Soderberg K, Liao HX, Montefiori D, Moore P, Johnson S, Koenig S, Haynes BF, Nordstrom JL, Margolis DM, Ferrari G.
J Clin Invest. 2015 Sep 28. pii: 82314. doi: 10.1172/JCI82314. [Epub ahead of print]
PMID:26413868

New [Strain-Specific V3 and CD4 Binding Site Autologous HIV-1 Neutralizing Antibodies Select Neutralization-Resistant Viruses.](#)

Moody MA, Gao F, Gurley TC, Amos JD, Kumar A, Hora B, Marshall DJ, Whitesides JF, Xia SM, Parks R, Lloyd KE, Hwang KK, Lu X, Bonsignori M, Finzi A, Vandergrift NA, Alam SM, Ferrari G, Shen X, Tomaras GD, Kamanga G, Cohen MS, Sam NE, Kapiga S, Gray ES, Tumba NL, Morris L, Zolla-Pazner S, Gorny MK, Mascola JR, Hahn BH, Shaw GM, Sodroski JG, Liao HX, Montefiori DC, Hraber PT, Korber BT, Haynes BF.
Cell Host Microbe. 2015 Sep 9;18(3):354-62. doi: 10.1016/j.chom.2015.08.006.
PMID: 26355218

New [Optimization of a multiplex CRISPR/Cas system for use as an antiviral therapeutic.](#)

Kennedy EM, Kornepati AV, Mefferd AL, Marshall JB, Tsai K, Bogerd HP, Cullen BR.
Methods. 2015 Aug 17. pii: S1046-2023(15)30052-9. doi: 10.1016/j.ymeth.2015.08.012.
[Epub ahead of print]
PMID: 26291065

New [Young Men's Social Network Characteristics and Associations with Sexual Partnership Concurrency in Tanzania.](#)

Yamanis TJ, Fisher JC, Moody JW, Kajula LJ.
AIDS Behav. 2015 Aug 14. [Epub ahead of print]
PMID: 26271813 [PubMed - as supplied by publisher]

New [HIV-1 VACCINES. Diversion of HIV-1 vaccine-induced immunity by gp41-microbiota cross-reactive antibodies.](#)

Williams WB, Liao HX, Moody MA, Kepler TB, Alam SM, Gao F, Wiehe K, Trama AM, Jones K, Zhang R, Song H, Marshall DJ, Whitesides JF, Sawatzki K, Hua A, Liu P, Tay MZ, Seaton KE, Shen X, Foulger A, Lloyd KE, Parks R, Pollara J, Ferrari G, Yu JS, Vandergrift N, Montefiori DC, Sobieszczyk ME, Hammer S, Karuna S, Gilbert P, Grove D,

Grunenberg N, McElrath MJ, Mascola JR, Koup RA, Corey L, Nabel GJ, Morgan C, Churchyard G, Maenza J, Keefer M, Graham BS, Baden LR, Tomaras GD, Haynes BF. Science. 2015 Aug 14;349(6249):aab1253. doi: 10.1126/science.aab1253. Epub 2015 Jul 30.

PMID: 26229114 [PubMed - indexed for MEDLINE]

[Establishment of biochemistry reference values for healthy Tanzanian infants, children and adolescents in Kilimanjaro Region.](#)

Buchanan AM, Fiorillo SP, Omondi MW, Cunningham CK, Crump JA.

Trop Med Int Health. 2015 Jul 30. doi: 10.1111/tmi.12580. [Epub ahead of print]

PMID: 26224122

Full List of Duke CFAR Publications

If you have content for the Duke CFAR eNewsletter, please send it by the first of the month to kelly.plonk@duke.edu to have it published in the next eNewsletter.



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