CFAR Member Presentations

**Tuesday, February 24th**

10:15am

**Session 0-4 Oral Abstracts (Room 6D): New Discoveries in HIV Pathogenesis**

*HIV Burden and Biomarker Associations With Colonic HIV RNA During Acute HIV Infection (48)*

James L. Fletcher; **Trevor A. Crowell**; Robin Dewar; Irini Sereti; Bonnie Slike; Nitiya Chomchey; Rungsun Rerknimitr; Nelson L. Michael; Nicolas Chomont; Jintanat Ananworanich

**Session 0-1 Oral Abstracts (Room 6AB): Preventing HIV and HSV-2: What will it take?**

11:30am

*Injectable Hormonal Contraception Use and Women’s Risk for HSV-2 Acquisition (28)*

Mary K. Grabowski; Ronald H. Gray; Fred Makumbi; Joseph Kagaayi; Andrew D. Redd; Fred Nalugoda; Maria J. Wawer; David Serwadda; Thomas C. Quinn; Aaron A. Tobian

12:00pm

*Medical Male Circumcision of HIV-Infected Men Reduces Long-Term Penile HIV Shedding (30)*

Jordyn L. Manucci; Godfrey Kigozi; Mary K. Grabowski; David Serwadda; Ronald H. Gray; Maria J. Wawer; Fred Nalugoda; Andrew D. Redd; Thomas C. Quinn; Aaron A. Tobian

1:30 – 2:30pm

**Session TD-F Themed Discussion (Room 6D): Leaky Latency**

*Defective HIV-1 Proviruses Can Be Transcribed Upon Activation (392)*

Ya-Chi Ho; Ross Pollack; Patrick Yong; Robert F. Siliciano

**Session TD-Q Themed Discussion (Room 6AB) Fat Without Borders: Metabolic Complications in Resource-Limited Settings**

*Obesity and Inflammation in Resource-Diverse Settings of ART Initiation (778)*

Kristine M. Erlandson; Nikhil Gupte; Javier R. Lama; Patcharaphan Suganthavesa; Thando Mwelase; Ashwin Balagopal; David Asmuth; Thomas B. Campbell; Amita Gupta

**Session TD-Y Themed Discussion (Room 6E): Circumcision: Evolving Knowledge and Practice**

*HSV-2 Shedding From Male Circumcision Wounds Among HIV-Infected Men (1084)*

Mary K. Grabowski; Godfrey Kigozi; Ronald H. Gray; Jordyn L. Manucci; David Serwadda; Eshan U. Patel; Fred Nalugoda; Maria J. Wawer; Thomas C. Quinn; Aaron A. Tobian

Self-Selection of Circumcision Acceptors, Risk Compensation and Effectiveness of Circumcision Among Service Recipients, Rakai, Uganda (1088)

Joseph Kagaayi; Xiangrong Kong; Godfrey Kigozi; Fred Nalugoda; Steven J. Reynolds; David Serwadda; Nelson K. Sewankambo; Maria J. Wawer; Ronald H. Gray

2:30 – 4:00pm

**Session P-F7 Poster Session: Pharmacologic Latency-Reactivation Agents**

*Latency Reversing Agents Activate Latent Reservoirs in the Brain of SIV-Infected Macaques (416)*

Lucio Gama; Sarah Price; Erin Shirk; Suzanne E. Queen; Ming Li; Brandon Bullock; Stephen Wietgrefe; Luiz Pianowski; M. Christine Zink; Janice Clements
CFAR Member Presentations

2:30 – 4:00pm (continued)

Session P-J1 Poster Session: ART: Recent Perspectives
Prevalence and Risk Factors of Multiple Micronutrient Deficiencies Pre- and Post-ART (567)
Rupak Shivakoti; Parul Christian; Nikhil Gupte; Cecilia Kanyama; Sima Berendes; Javier Lama; Richard Semba; Thomas Campbell; Amita Gupta

Session P-N1 Poster Session: Natural History and Prognosis of HCV Infection
Rapid Progression to Cirrhosis and Death Among HCV-Infected Persons Who Inject Drugs in India (641)
Shruti H. Mehta; Suniti Solomon; Allison M. McFall; Aylur K. Srikrishnan; Pachamuthu Balakrishnan; Nandagopal P; David L. Thomas; Mark Sulkowski; Sunil S. Solomon

Session P-Q6 Poster Session: Aging: Frailty, Telomeres, and mtDNA
Balance Confidence Predicts Falls Better Than Physical Function Testing in HIV+ Men (786)
Todd T. Brown; Xiuhong Li; Lisa P. Jacobson; Jennifer Schrack; Frank J. Palella; Lawrence Kingsley; Joseph B. Margolick; Adrian Dobs; Jordan Lake; Keri N. Althoff

Session P-Q7 Poster Session: Diabetes and Other Endocrine Disorders
Vitamin D Supplementation Does Not Affect Metabolic Changes Seen With ART Initiation (787)
Todd T. Brown; Ellen Chan; Edgar T. Overton; Pablo Tebas; Kathy Melbourne; Royce Hardin; Heather Ribaudo; Michael T. Yin

Session P-T2 Poster Session: Rates and Risks of MTCT and HIV-Free Survival
High Rate of HIV Superinfection After Delivery: Secondary Analysis of the PEPI Trial (869)
Andrew D. Redd; Sarah Wendel; Andrew Longosz; Jessica M. Fogel; Newton Kumwenda; Sufia Dadabhai; Susan H. Eshleman; Stephen Porcella; Thomas C. Quinn; Taha Taha

Session P-T8 Poster Session: Planning and Preventing Pregnancy
Safer Conception Delayed by Lack of HIV Viral Suppression (895)
Sheree R. Schwartz; Rebecca Phofa; Nompumelelo Yende; Jean Bassett; Nora West; Ian Sanne; Annelies Van Rie

Session P-T11 Poster Session: PMTCT-Associated Drug Resistance in Women and Infants
ART Failure and Resistance Among Pregnant and Post-Partum Women in South Africa (907)
Christopher J. Hoffmann; Silvia Cohn; Fildah Mashabela; Jennifer Hoffmann; Kelly E. Dooley; Richard E. Chaisson; Neil Martinson

Session P-Z1 Poster Session: Costs and Cost Effectiveness
Cost-Effectiveness of Isoniazid Preventative Therapy for HIV-Infected Pregnant Women in India (1108)
Sunaina Kapoor; Natasha Chida; Amita Gupta; MaunANK Shah
Wednesday, February 25th

10:45am
Session O-8 Special Presentation and Oral Abstracts (Room 6E): Factors Affecting HIV Care and Outcome: Global Perspective
Impact of Emergency Department HIV Testing and Linkage to Care: 25 Years’ Experience (98)
Gabor Kelen; Eshan U. Patel; Yu-Hsiang Hsieh; Oliver B. Laeyendecker; Judy Shahan; William Clarke; Jordyn L. Manucci; Richard Rothman; Thomas C. Quinn

1:30 – 2:30pm
Session TD-O Themed Discussion (Room 6D): Cancers in Young and Old, and Lung Cancer in HIV
Smoking Outweighs HIV-Related Risk Factors for Non– AIDS-Defining Cancers (726)
Keri N. Althoff; Stephen J. Gange; Chad Achenbach; Lisa P. Jacobson; Angel M. Mayor; Michael J. Silverberg; Amy Justice; Richard Moore; Yuezhou Jing; Kelly Gebo

2:30 - 4:00pm
Session P-C10 Poster Session: Immune Activation and HIV Pathogenesis
Persistently High IL-18 and sCD14 Are Independently Associated With Clinical Failure (313)
Ashwin Balagopal; Nikhil Gupte; James Hakim; Mina C. Hosseinipour; Nagalingeswaran Kumarasamy; Andrea Cox; Ian Sanne; David Asmuth; Thomas Campbell; Amita Gupta

Session P-C11 Poster Session: Manipulating Immune Activation
Decreased Monocyte Activation With Daily Acyclovir Use in HIV-1/HSV-2 Coinfected Women (321)
Andrew D. Redd; Kevin Newell; Eshan U. Patel; Fred Nalugoda; Paschal Ssebbowa; Sarah Kaliballa; Ronald H. Gray; Thomas C. Quinn; David Serwadda; Steven J. Reynolds

Session P-F4 Poster Session: Dynamics of Latency and Reactivation
Defective HIV-1 Proviruses Can Be Transcribed Upon Activation (392)
Ya-Chi Ho; Ross Pollack; Patrick Yong; Robert F. Siliciano

Kinetics of HIV-1 Gene Expression Following Reactivation in a Primary Cell Model of Latency (393)
Victoria Walker-Sperling; Joel Blankson

Noninduced Proviral Genome Characterization in Perinatal HIV Infection (396)
Kaitlin Rainwater-Lovett; Carrie Ziemniak; Douglas Watson; Katherine Luzuriaga; Priyanka Upthey; Yahui Chen; Ya-Chi Ho; Deborah Persaud

Session P-G3 Poster Session: Neurologic Disorders in Resource-Limited Settings
High Frequency of Dementia in Antiretroviral-Naïve HIV+ Individuals in Rural Uganda (452)
Ned Sacktor; Deanna R. Saylor; Gertrude Nakigozi; Noeline Nakasujja; Xiangrong Kong; Kevin Robertson; Ronald H. Gray; Maria J. Wawer

Validation of the International HIV Dementia Scale Screening Tool for HAND in Uganda (453)
Megan M. Hosein; Deanna Saylor; Gertrude Nakigozi; Noeline Nakasujja; Xiangrong Kong; Kevin Robertson; Ronald H. Gray; Maria J. Wawer; Ned Sacktor
CFAR Member Presentations

2:30 - 4:00pm (continued)

Session P-G7 Poster Session: Aging and Cognitive Decline
Amyloid Uptake by PET Imaging in Older HIV+ Individuals With Cognitive Impairment (482)
Ned Sacktor; Richard Skolasky; Heidi Roosa; Yun Zhou; Weiguo Ye; Noble George; Dean Wong; Mona Mohamed

Session P-M2 Poster Session: Comparison of HIV Incidence Assays
The Effect of HIV-1 Subtype A, C and D on Cross-Sectional Incidence Assay Performance (622)
Andrew F. Longosz; Mary Grabowski; Charles S. Morrison; Ronald H. Gray; Connie Celum; Quarraisha Abdool Karim; Hilmarie Brand; Thomas C. Quinn; Susan H. Eshleman; Oliver B. Laeyendecker

Avidity Assay for Cross-Sectional Incidence Based on a 4th-Generation Combo Ag/Ab EIA (623)
Allison R. Kirkpatrick; Eshan U. Patel; Connie L. Celum; Richard D. Moore; Joel N. Blankson; Shruti H. Mehta; Gregory D. Kirk; Thomas C. Quinn; Susan H. Eshleman; Oliver B. Laeyendecker

Determining HIV Status of African Adults With Discordant HIV Rapid Tests (629)
Jessica M. Fogel; Estelle Piwowar-Manning; Mark A. Marzinke; William Clarke; Michal Kulich; Jessie K. Mbwambo; Linda Richter; Glenda Gray; Thomas J. Coates; Susan H. Eshleman

Session P-N5 Poster Session HCV: Epidemiology and Case Detection
Evaluation of CDC Recommendations for HCV Testing in an Urban Emergency Department (667)
Yu-Hsiang Hsieh; Richard Rothman; Oliver B. Laeyendecker; Gabor Kelen; Ama Avornu; Eshan U. Patel; Jim Kim; Risha Irvin; David L. Thomas; Thomas C. Quinn

Session P-N6 Poster Session Acute HCV Infection
3 Development and Comparison of Hepatitis C Cross-Sectional Incidence Testing Methods (673)
Eshan U. Patel; Andrea Cox; Shruti H. Mehta; Caroline E. Mullis; Jeffrey Quinn; Gregory D. Kirk; Thomas C. Quinn; Oliver B. Laeyendecker

Session P-N7 Poster Session: Immunopathogenesis of HCV Infection
A Novel Mechanism of Resistance to Multiple bNAbs Revealed by Natural Variation in Panel of 199 HCVpp (685)
Ramy El-Diwany; Lisa Wasilewski; Madeleine Mankowski; Stuart C. Ray; Justin R. Bailey

Session P-QS Poster Session: Fat Without Borders: Metabolic Complications in Resource-Limited Settings
Obesity and Inflammation in Resource-Diverse Settings of ART Initiation (778)
Kristine M. Erlanson; Nikhil Gupte; Javier R. Lama; Patcharaphan Sugandhavesa; Thando Mwelase; Ashwin Balagopal; David Asmuth; Thomas B. Campbell; Amita Gupta

Session P-V5 Poster Session Poster Hall: PrEP: Evaluating Potential Harm
The Impact of Preexposure Prophylaxis on Antibody Maturation in HIV-Infected Women (987)
Oliver B. Laeyendecker; Andrew D. Redd; Martha Nason; Andrew Longosz; Quarraisha Abdool Karim; Vivek Naranbhai; Nigel Garrett; Salim S. Abdool Karim; Thomas C. Quinn

4:45pm

Session 0-10 Oral Abstracts (Room 6C): New Antiretroviral Agents, Strategies, and HIV Drug Resistance
Antiretroviral Drug Screening Provides Key Insights Into HIV Drug Resistance (116)
Iris Chen; Matthew B. Connor; William Clarke; Mark A. Marzinke; Vanessa Cummings; Sheldon D. Fields; Darrell P. Wheeler; Kenneth H. Mayer; Beryl A. Koblin; Susan H. Eshleman
5:00pm
Session S-6 Symposium (Room 6E): Tuberculosis: Magic Bullets and Moving Targets
*Tuberculosis in Pregnancy (132)*
*Amita Gupta*
CFAR Member Presentations

Thursday, February 26th

1:30 – 2:30pm
Session TD-M Themed Discussion (Room 615): Identifying Recent Infections: Issues of False Recency
The Effect of HIV-1 Subtype A, C and D on Cross-Sectional Incidence Assay Performance (622)
Andrew F. Longosz; Mary Grabowski; Charles S. Morrison; Ronald H. Gray; Connie Celum; Quarraisha Abdool Karim; Hilmarie Brand; Thomas C. Quinn; Susan H. Eshleman; Oliver B. Laeyendecker

2:30 – 4:00pm
Session P-03 Poster Session: Cancer and Cancer Risk in HIV Subpopulations and Lung Cancer
Smoking Outweighs HIV-Related Risk Factors for Non-AIDS-Defining Cancers (726)
Keri N. Althoff; Stephen J. Gange; Chad Achenbach; Lisa P. Jacobson; Angel M. Mayor; Michael J. Silverberg; Amy Justice; Richard Moore; Yuezhou Jing; Kelly Gebo

Session P-W6 Poster Session: Disease Progression, Morbidity, and Mortality
Age-Related Morbidities Among HIV-Infected Adults From 2000 to 2010 (1053)
Cherise Wong; Stephen J. Gange; Michael A. Horberg; Gregory D. Kirk; Anita Rachlis; John Gill; Jennifer E. Thorne; Robert Hogg; James J. Goedert; Keri N. Althoff

Session P-Y1 Poster Session: Male Circumcision: Risk, Innovation, and Scale-Up
HSV-2 Shedding From Male Circumcision Wounds Among HIV-Infected Men (1084)
Mary K. Grabowski; Godfrey Kigozi; Ronald H. Gray; Jordyn L. Manucci; David Serwadda; Eshan U. Patel; Fred Nalugoda; Maria J. Wawer; Thomas C. Quinn; Aaron A. Tobian

Association Between Foreskin Microbiota and Local Cytokines in Men From Rakai, Uganda (1085)
Cindy M. Liu; Aaron A. Tobian; Jessica Prodger; David Serwadda; Godfrey Kigozi; Fred Nalugoda; Maria J. Wawer; Lance Price; Rupert Kaul; Ronald H. Gray

Self-Selection of Circumcision Acceptors, Risk Compensation and Effectiveness of Circumcision Among Service Recipients, Rakai, Uganda (1088)
Joseph Kagaayi; Xiangrong Kong; Godfrey Kigozi; Fred Nalugoda; Steven J. Reynolds; David Serwadda; Nelson K. Sewankambo; Maria J. Wawer; Ronald H. Gray