Micro/Nano Technology and Frontiers in AIDS Research Workshop

Friday, Dec, 11th 2015 from 8:30am-1:50pm
Glandt Forum (3rd floor), Singh Center for Nanotechnology, 3205 Walnut Street

8:30-9:00am  Breakfast and Poster Set-up
9:00-9:15am  Welcome & Goals of the Workshop: Ron Collman, Penn CFAR Director
9:15-9:20am  Opening Remarks: Jon Epstein, Executive Vice Dean and Chief Scientific Officer, Perelman School of Medicine
9:20-9:35am  Haim Bau, Professor of Engineering, “Microfluidics for point of care diagnostics, high throughput screening, single cell imaging, and the story of a CFAR pilot grant”
9:35-9:55am  David Issadore, Assistant Professor of Engineering, “Diagnosing Infectious Disease on Microchips”
9:55-10:10am  Ian Frank, Professor of Medicine, “Key Challenges in HIV Treatment/Eradication/Comorbidities”
10:10-10:25am Prashant Purohit, Associate Professor of Engineering, “DNA mechanics as a window to protein/nucleic acid interactions required for viral replication”
10:25-10:40am Break
10:40-10:55am Andrew Tsourkas, Professor of Engineering, “Antibody based therapies against HIV”
10:55-11:10am Mike Betts, Associate Professor of Microbiology, “Key Challenges: Immunology”
11:10-11:35am Robert Gross, Associate Professor of Medicine and David Metzger, HIV/AIDS Prevention Research Division Director, “Key Challenges in HIV Prevention/Behavioral/Health Service Research”
11:35-11:50pm Greg Bisson, Assistant Professor of Medicine, Vin Lo Re, Assistant Professor of Medicine, and Elizabeth Lowenthal, Assistant Professor of Pediatrics, “Key Challenges in International & HIV Co-Infection Research”
11:50-12:50pm Lunch and Poster Reception
12:50-1:05pm Katherine Bar, Assistant Professor of Medicine and Jim Hoxie, Penn CFAR Co-Director, “Key Challenges in HIV Virology/Pathogenesis”
1:05-1:20pm Dennis E Discher, Professor of Engineering, “Nanoscale quantitation of heterogeneity of HIV-like lentiviruses, especially host membrane derived proteins”
1:20-1:35pm A. T. Charlie Johnson, Nano/Bio Interface Center Director, “Nano-enabled biosensors for medical diagnostics”
1:35-1:50pm Discussion: Opportunities and future directions for CFAR-SEAS/Nanotechnology Collaborations