



## PROGRAM

### Monday 4 October

- 09.00h Opening of the Workshop C. Flexner & S. Letendre
- 09.15h Opening Lecture: Physiological Pathway to Frailty L. Ferrucci
- 09.45h Opening Lecture: Clinical Epidemiology of Frailty J. Margolick
- Session 1: Immunology**  
**Chairs: Dr Bill Ershler & Dr Alan Landay**
- 10.15h Invited lecture: Immunology of Aging A. Landay
- 10.45h Accelerated cellular senescence of plasmacytoid dendritic cells in HIV-infected patients J. Dai O\_02
- 11.00h T-cell immunosenescence is associated with the presence of Kaposi's sarcoma in antiretroviral treated human immunodeficiency virus infected persons P. Unemori O\_03
- 11.15h Coffee break and poster viewing session I
- Session 2: Neurology**  
**Chairs: Dr Scott Letendre & Dr Bruce Brew**
- 11.45h Invited lecture: Neurocognitive changes in aging with HIV infection: Pathophysiological mechanisms A. Nath
- 12.15h Genome-wide analysis of CNS gene expression in transgenic mice expressing HIV gp120 in the brain reveals alterations depending on genotype and age. M. Kaul O\_01
- 12.30h Higher levels of phosphorylated tau in CSF are associated with HIV infection, older age, antiretroviral use, and worse prospective memory S. Letendre LB\_01
- 12.45h Novel biomarkers for neurological disorders associated with HIV/aging from the SIV/macaque model K. Witwer LB\_02
- 13.00h Lunch
- Session 3: Musculoskeletal Disease**  
**Chairs: Mr Jules Levin & Dr Julian Falutz**
- 14.00h Invited lecture: Osteoporosis in the older HIV-infected patient T. Brown
- 14.30h Invited lecture: Vitamin D deficiency and HIV Infection: adding insult to injury J. Currier
- 15.00h Association of Vitamin D deficiency with lipodystrophy amongst HIV positive patients in Windsor Ontario L. Robinson O\_06
- 15.15h Age-stratified risk assessment for fracture among adults with and without HIV infection L. Mundy O\_07
- Round table discussion**
- 15.30h Controversies in Vitamin D: Replacement Therapy and Clinical Significance  
Moderators: Dr Janice Schwartz, Dr Todd Brown & Dr Judy Currier
- 16.00h Coffee break and poster viewing session II



**Session 4: Pharmacology**

**Chairs: Dr Charles Flexner & Dr Jacqueline Capeau**

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|--------|--|------------------|
| 16.30h | Invited lecture: Effect of Aging on Human Pharmacology   | J. Schwartz      |
| 17.00h | Polypharmacy in older patients: a study of medication use and potential drug interactions in an aging ambulatory HIV clinic population | A. Tseng O_08    |
| 17.15h | Polypharmacology for poly pathology in HIV infected patients   | G. Guaraldi O_09 |

***Abstract presentations not for CME credits***

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|--------|--|--------------------|
| 17.30h | Effect of age on baseline CD4+ cells and immunologic response to regimens with or without Maraviroc  | J. Demarest O_04   |
| 17.45h | Effect of age on baseline CD4+and CD8+ cells and response to Antiretroviral Therapy (ART) over 48 weeks in a large clinical trial database | M. Shaefer O_05    |
| 18.00h | Low risk of malignancy in Maraviroc (MVC) treated patients in the MVC clinical development program is preserved in older age groups.       | S. Portsmouth O_12 |
| 18.15h | Comorbidities and co-infections among HIV patients 50 years and older  | E. Nkhoma O_16     |

18.30h End of plenary session

19.00h Workshop dinner

## Tuesday 5 October

### Session 5: Effect of Aging on Organ Systems

**Chairs: Dr Charles Boucher & Dr Douglas Wallace**

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|--------|---|-----------------|
| 08.30h | Invited lecture: Mitochondria and the genetics and pathophysiology of AIDS  | D. Wallace      |
| 09.00h | Sexual dysfunction in an aging HIV positive population compared to HIV negative control groups. Results from the German 50/2010 cohort study. | G. Trapani O_10 |
| 09.15h | Reasons for hospitalization differ among older and younger HIV-infected persons   | S. Berry O_11   |
| 09.30h | Gender differences in aging associated-symptoms and their Impact on Quality of Life in HIV-infected subjects                                  | C. Fumaz O_13   |
| 09.45h | Discussion  |                 |
| 10.00h | Coffee break and poster viewing session III   |                 |

### Session 6: Metabolic /Cardio Vascular Complications

**Chairs: Dr Russ Tracy & Dr Victor Valcour**

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|--------|--|------------------|
| 11.00h | Invited lecture: Drug side effects that mimic aging  | D. Abernethy     |
| 11.30h | HIV infection and immune suppression are associated with higher burden of multimorbidity among aging IDUs in Baltimore, MD   | M. Salter O_14   |
| 11.45h | CD4 nadir and antiretroviral exposure predict premature polyopathy onset   | G. Guaraldi O_15 |
| 12.00h | The influence of family history of dementia on neuropsychological functioning among HIV infected persons across the lifespan | D. Moore LB_03   |
| 12.15h | Discussion   |                  |
| 12.30h | Lunch  |                  |

### Session 7: Contributing Factors to Premature Aging in HIV

**Chairs: Dr Jonathan Schapiro & Dr Steve Deeks**

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|--------|--|-----------------|
| 13.30h | Invited lecture: Inflammation  | R. Tracy        |
| 14.00h | Invited lecture: Immune response to the virus  | S. Deeks        |
| 14.30h | CD4 count at presentation for HIV care in the United States and Canada: Are those over 50 years more likely to have a delayed presentation?          | K. Althoff O_17 |
| 14.45h | Senescence of cultured endothelial cells and PBMC from HIV+ patients: implication of ritonavir-boosted PIs inducing prelamin A. Reversion by statins | J. Capeau O_18  |

### Round table discussion

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|--------|--|
| 15.00h | Does HIV cause premature aging, and what are the contributing factors?                             |
| 15.30h | Closure of the Workshop + Participant Feedback<br>Moderators: Dr Ershler, Dr Letendre & Dr Flexner |