

Satellite Symposium G1: September 30, 2009 8:30 - 16:30

Participants

Parniak, Shafer, Sarafianos, Sugiura, Okada, Baba, Oka, Gatanaga, Yoshimura, Amano, Ide, Ishizaka, Tamamura, Kawamura, Kodama, Kuwata, Aoki, Aoki, Miguel, Matt, Nakamura, Noguchi, Ashida, Kono, Mitsuya

Total: 25

Introduction: Mitsuya

8:30 - 8:35

Chair: Baba/Tamamura

Ide/Mitsuya (Novel PIs)

8:35 - 8:50

Novel HIV-1 protease inhibitors (PIs) containing *bis*-tetrahydrofuran (*bis*-THF) and a novel polycyclic ligand that have protease (PR) dimerization inhibition activity

Tamamura (Entry inhibitors)

8:50 - 9:10

Development of an artificial antigen inducing neutralizing antibodies specific to gp41 trimer

Kodama (Novel anti-HIVs)

9:10 - 9:30

Drug design for resistant HIV

Coffee Break: 9:30 – 9:40

Chair: Sarafianos/Okada

Sarafianos (EFdA Mechanism)

9:40 - 10:10

Novel mechanism of inhibition of HIV-1 reverse transcriptase by EFdA, a translocation defective reverse transcriptase inhibitor

Okada (EFdA in SCID mice)

10:10 - 10:30

Potent activity of a nucleoside reverse transcriptase inhibitor, 4'-ethynyl-2-fluoro-2'-deoxyadenosine (EFdA), against HIV-1 infection in Hu-PBMC-NOD/SCID/JAK3null (NOJ) mouse model

Parniak (EFdA as Microbicide)

10:30 - 11:00

Anti-HIV therapeutic and microbicide potential of 4'-ethynyl-2-fluorodeoxyadenosine

Chair: Shafer/Sugiura

Aoki/Mitsuya (PDI/TPV-resistance)

11:00 - 11:15

The binary mechanism of HIV-1 resistance to tipranavir (TPV): Loss of inhibition of protease catalytic activity and protease dimerization

Gatanaga (Escape + EFV resistance)

11:15 - 11:35

CTL escape mutations and NNRTI resistance

Lunch: 11:35 – 13:35

Shafer (Stanford Resistance Program)

13:35 - 14:05

HIV database drug resistance program

Yoshimura/Matsushita (MVC resistance)

14:05 - 14:25

In vitro induction of HIV-1 resistant to a CCR5 antagonist maraviroc

Chair: Ishizaka/Oka

Amano/Mitsuya (Gag degradation)

14:25 - 14:45

Degradation of Gag proteins in multi-drug-resistant HIV variants containing insertions in Gag proteins

Kawamura (HSV & HIV)

14:45 - 15:05

Production of LL-37 during herpes simplex virus types 2 infection in human keratinocytes enhances HIV susceptibility in Langerhans cells

Coffee Break: 15:05 – 15:15

Ishizaka (Vpr)

15:15 - 15:35

Detection of Vpr in plasma of HIV-1 positive patients and Vpr-induced genomic instability: implication for HIV-1-associated malignancy

Oka (Death Trends in Japan)

15:35 - 15:55

Trends of opportunistic infections, malignancies, and cause of death in HIV-1-infected patients in ACC

Chair: Parniak/Gatanaga

Roundtable Discussion

15:55 – 16:25

Conclusions: Oka

16:25 – 16:30