

SEVENTH INTERNATIONAL MEETING

on HIV Infection of the Central Nervous System

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NeuroHIV

Pollenzo - Bra (CN), Italy - Albergo dell'Agencia

October, 12th-14th 2017

Day 1 - Thursday, October 12th, 2017

08.30am-09.00am	Registration and Welcome Remarks to the General Meeting
NIMH-sponsored Workshop on Approach to Consortium Studies of CNS HIV Escape	
Organizer: J. Joseph (Bethesda, USA); Co-chairs: S. Spudich (New Haven, USA); A. Winston (London, UK) Participants: A. Antinori (Rome, Italy), P. Cinque (Milan, Italy), H. Fox (Omaha, USA), M. Gisslen (Goteborg, Sweden), T. Henrich (San Francisco, USA), S. Letendre (San Diego, USA), D. Persaud (Baltimore, USA), R.W. Price (San Francisco, USA)	
09.00am- 09.10am	Welcome/purpose/goals J. Joseph (Bethesda, USA)
09.10am-09.25am	Concept, rationale, and challenges for coordination of CSF escape studies across multiple sites H. Fox (Omaha, USA)
09.25am-09.35am	Discussion
CSF escape: Laboratory/clinical definitions for consortium collaboration	
9.35am-09.45am	HIV RNA definitions of CSF escape R.W. Price (San Francisco, USA)
09.45am-10.10am	Panel discussion and agreement of consensus definitions: -CSF escape when plasma HIV RNA undetectable -CSF escape when plasma HIV RNA detectable
10.10am-10.20am	Asymptomatic vs symptomatic escape A. Antinori (Rome, Italy), P. Cinque (Milan, Italy)
10.20am-10.45am	Panel discussion and agreement of consensus definitions: -Definition of symptomatic CSF escape -Definition of asymptomatic CSF escape
10.45am-11.10am	COFFEE BREAK
CSF escape: Practical issues for consortium studies	
11.10am-11.20am	What clinical & laboratory data are required? M. Gisslen (Goteborg, Sweden), S. Letendre (San Diego, USA)
11.20am-11.45am	Panel discussion and agreement on essential clinical and laboratory details -HIV factors and ART factors -Co-morbidities and co-infections -HIV RNA data, antiretroviral drug resistance data -Other biomarkers
11.45am-11.55am	Integrating CSF studies in HIV persistence & eradication studies: clinical and laboratory implications T. Henrich (San Francisco, USA), D. Persaud (Baltimore, USA)
11.55am-12.20pm	Questions for panel discussion: -What are the barriers/challenges to studying CSF in HIV curative trials (adults and children)? -What information can be gained from in depth study of CSF in the setting of HIV eradication efforts? -How do we centralize or standardize CSF testing? -What novel studies can be applied to future or stored CSF samples or neuropsychiatric testing?
12.20pm-01.00pm	GROUP DISCUSSION/CONSENSUS FOR DEFINITIONS AND PRACTICAL ISSUES • S. Spudich (New Haven, USA); A. Winston (London, UK) • Review of all the agreed criteria and definitions
01.00pm-01.30pm	Discussion
01.30pm-02.30pm	LUNCH

Day 1 - Thursday, October 12th, 2017

02.00pm-02.30pm	Registration
SESSION 1 - Mechanisms and biomarkers of CNS HIV Infection	
Welcome remarks and chair: G. Ippolito (Rome, Italy), A. Lazzarin (Milan, Italy)	
02.30pm-03.00pm	Myeloid cells in CNS infection: traffic and replication G. Poli (Milan, Italy)
03.00pm-03.30pm	CNS viral and cell dynamics in the humanized mouse model V. Garcia (Chapel Hill, USA)
03.30pm-04.00pm	Systemic-CNS viral dynamics in a simian HIV-1 infection V. Hirsch (Rockville, USA)
04.00pm-04.30pm	Systemic-CNS viral dynamics in a human HIV-1 infection R. Swanstrom (Chapel Hill, USA)
04.30pm-05.00pm	COFFEE BREAK
Chairpersons: F. Maggiolo (Bergamo, Italy), C. Mussini (Modena, Italy)	
05.00pm-05.30pm	Cerebrospinal fluid biomarkers M. Gisslen (Goteborg, Sweden)
05.30pm-06.00pm	Imaging the ageing HIV brain J. Cole (London, UK)
Chairpersons: A. Cingolani (Rome, Italy), G. Marchetti (Milan, Italy)	
06.00pm-07.00pm	POSTER SESSION
08.00pm	DINNER

Day 2 - Friday, October 13th, 2017

SESSION 2 - CNS HIV Treatment: 1. Effects of ART on early CNS infection	
Chairpersons: B.M. Clesia (Catania, Italy), A. Di Biagio (Genoa, Italy)	
09.00am-09.30am	Current neurological problems and their trend over the last years A. Antinori (Rome, Italy)
09.30am-10.00am	Impact of early treatment on viral persistence and inflammation S. Spudich (New Haven, USA)
10.00am-10.30am	Impact of early treatment on neurocognitive function K. Robertson (Chapel Hill, USA)
10.30am-11.00am	COFFEE BREAK
SESSION 3 - CNS HIV Treatment: 2.Effects of ART on treated CNS infection	
Chairpersons: S. Bonora (Turin, Italy), A. De Luca (Siena, Italy)	
11.00am-11.30am	PK and efficacy of new ARV drugs A. Yilmaz (Goteborg, Sweden)
11.30am-12.00pm	Relevance of ART neuropenetration of importance review of evidence pro/con S. Letendre (San Diego, USA)
12.00pm-12.30pm	CNS drug toxicities E. Martinez (Barcelona, Spain)
12.30pm-01.00pm	Neuropsychological performance, imaging and inflammation in ART-treated compared to HIV-negatives A. Winston (London, UK)
01.00pm-02.00pm	LUNCH

Day 2 - Friday, October 13th, 2017

Chairpersons: A. Gori (Milan, Italy), G. Rizzardini (Milan, Italy)	
02.00pm-02.30pm	Asymptomatic CSF HIV escape A. Calcagno (Turin, Italy)
02.30pm-03.00pm	Symptomatic and secondary CSF HIV escape P. Cinque (Milan, Italy)
03.00pm-03.30pm	Brain imaging of CSF HIV escape S. Gerevini (Milan, Italy)
03.30pm-04.00pm	Virological character of CSF HIV escape S. Joseph (Chapel Hill, USA)
04.00pm-04.30pm	COFFEE BREAK
Chairpersons: G. Nunnari (Catania, Italy), S. Rusconi (Milan, Italy)	
ORAL PRESENTATIONS	
04.30pm-04.45pm	OC 01 - HIV-1 GAG COUNTERACTS AN INNATE RESTRICTION BY AMYLOID PRECURSOR PROTEIN RESULTING IN NEURODEGENERATION • M.H. Naghavi
04.45pm-05.00pm	OC 02 - HIV-ASSOCIATED CD8 ENCEPHALITIS (CD8E): VARIABLE PRECIPITATORS WITH A NEUROPATHOLOGICAL FINAL COMMON PATHWAY - A UNIFYING HYPOTHESIS • S. Lucas
05.00pm-05.15pm	OC 03 - CSF LEVELS OF THE GLIAL MARKER YKL-40 ARE STRONGLY ASSOCIATED WITH NEURONAL INJURY IN HIV • L. Hermansson
05.15pm-05.30pm	OC 04 - DYNAMICS OF HIV INFECTION IN THE BRAIN • J. Honeycutt
05.30pm-05.45pm	OC 05 - PERSISTENCE OF NEUROCOGNITIVE IMPAIRMENT AND Milder FORMS OF HIV-ASSOCIATED NEUROCOGNITIVE DISORDERS (HAND) OVER 20 YEARS IN THE HAART ERA: EVIDENCE FROM ST. MICHAEL'S HOSPITAL NEUROHIV CLINICAL COHORT (TORONTO, CANADA) • S.B. Rourke
05.45pm-06.00pm	OC 06 - HIV-1 IN THE OLFACTORY MUCOSA OF CHRONICALLY INFECTED PATIENTS: WHERE DOES IT COME FROM? • L.P. Kincer
Chairpersons: R. Maserati (Pavia, Italy), S. Parisi (Padua, Italy)	
06.00pm-07.00pm	POSTER SESSION
08.00pm	DINNER

Day 3 - Saturday, October 14th, 2017

SESSION 4 - The CNS reservoir and its role in viral eradication	
Chairpersons: G. Di Perri (Turin, Italy), M. Galli (Milan, Italy)	
09.00am-09.30am	Effect of systemic and CNS inflammation on the CNS and ways to interact P. Hunt (San Francisco, USA)
09.30am-10.00am	HIV tat, a pivotal molecule in CNS HIV latency, target for mitigation and biomarker of the CNS reservoir A. Nath (Bethesda, USA)
10.00am-10.30am	Models of CNS cure/mitigation in primates L. Gama (Baltimore, USA)
10.30am-11.00am	COFFEE BREAK
Chairpersons: A. d'Arminio Monforte (Milan, Italy), G. Poli (Milan, Italy)	
11.00am-11.30am	Systemic HIV persistence, effects on morbidity and mortality and approaches to mitigation and cure T. Henrich (San Francisco, USA)
11.30am-12.00pm	HIV Cure research relevant to the CNS R.W. Price (San Francisco, USA)
12.00pm-12.30pm	FINAL REMARKS and CME Questionnaire compilation
12.30pm-01.00pm	LUNCH

CONGRESS VENUE

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CME

The request for CME credits has been forwarded to the Italian Ministry of Health for Italian participants. **Nr. 265-201260 - Nr. 16,5 CME credits.** The Congress is intended for 100 participants.
Physician: *Infectious Diseases - Microbiology and Virology - Neurology - Psychiatry.* Psychologist: *Psychotherapy - Psychology.*

REGISTRATION

Early Registration before September, 18th € 366,00 (300,00+22% VAT)
Late Registration after September, 18th € 427,00 (350,00+22% VAT)
Congress registration: www.neurohiv.com

THE REGISTRATION FEE INCLUDES:

- Participation in the scientific work
- Congress kit
- Certificate of attendance
- CME certificate
- Abstract Book
- Coffee breaks and working breakfasts for the whole period
- Thursday October, 12th Dinner
- Friday October, 13th Dinner