

IANIS* 2010 2-6 December 2010

Thursday 2nd December :

2nd International conference on 'neuroinfection and worldwide impact'

14-17h Registration, NORDEV site St Denis
17-18h **Keynote lecture I: Susan Lewallen, Tanzania, Africa**
Welcome reception
Poster viewing Session I

Talks and receptions will take place at the NORDEV** meeting centre

What the eye has to teach us about cerebral malaria.

Friday 3rd December :

SESSION I: Chikungunya and global impact

8-8.45h **Keynote lecture II: John Fazakerley, Edinburgh, UK**
8.50-9.20h **Talk I: Lisa Ng, A Star, Singapore**
9.25-9.55h **Talk II: Pierre Roques, Paris, France**
(Coffee break)
10.30-11h **Talk III: Bernard A. Gauzere, St Denis, Reunion**
11.05-11.35h **Talk IV: to be scheduled**
11.40-12.10h **Talk V: to be scheduled**
(Lunch and coffee break)

Alphaviruses: from the mosquito to encephalitis and arthralgia.
Immune correlates of protection and pathology in Chikungunya.
CHIKV can persist in tissue sanctuaries.

Clinical insights into Chikungunya epidemic in la Réunion.
TBA
TBA

SESSION II: CNS infection and pathological mechanisms

14h-14.45h **Keynote lecture III: Diane Griffin, Baltimore, USA**
14.50-15.20h **Talk VI: Valery Combes, Sydney, Australia**
15.25-15.55h **Talk VII: Sara Salinas, Montpellier, France**
16-16.30h **Talk VIII: Howard E Gendelman, Nebraska, USA**
(Coffee break)

Determinants of outcome in viral encephalitis.
Brain endothelium: both a target and a major player in cerebral malaria pathogenesis.
Vesicular Dynamics of the Coxsackievirus and Adenovirus Receptor in Neurons.
Microglial transformation in HIV infections of the nervous system.

SESSION III: Epilepsy + sleep alterations neuroinfection

17h-17.30 **Keynote lecture IV: Charles Newton, Kilifi, Africa**
17.35-18.05 **Talk IX: Marina Bentivoglio, Verona, Italy**
18.10-18h40 **Talk X: Hector Garcia, Lima, Peru**
18.45-19h15 **Talk XI: Alfred K Njamnshi, Yaounde, Africa**
Buffet + bar over posters)
Poster viewing session II

Epileptogenesis of CNS infections.
Sleep and brain infections.
Neurocysticercosis and epilepsy.
Epilepsy in Sub-Saharan Africa , clinical perspectives.

Saturday 4th December :

SESSION IV: Innate and adaptative immune responses

8-8.45h **Keynote lecture V: Connie Bergmann, Cleveland, USA**

8.50-9.20h **Talk XII: Dirk Schlueter, Magdeburg, Germany**
9.25-9.55h **Talk XIII: Alain Bessis, Paris, France**
(Coffee break)
10.30-11-45h **Keynote lecture VII: Dorian McGavern, Bethesda, USA**
11.50-12.20h **Talk XIV: Allan R Thomsen, Copenhagen, Denmark**
12.30-13h **Talk XV: Suzanne A Wolf, Berlin, Germany**

Fine tuning of adaptive immune responses by glia during viral encephalomyelitis.

The immunological and neurobiological interplay of Toxoplasma gondii and its host: who controls whom?
Microglial activation rapidly modulates synaptic activity.

(Lunch and coffee break)

SESSION V: Poster sessions and oral presentations

14.30-17.30h **(8-10 presentations selected from abstracts)**
17.30-18.30h **IANIS next venue (proposals and organizers)**

Viral pathogenesis in the CNS illuminated by 2-photon microscopy.
Innate and adaptive immune responses during CNS viral infections.
The innate and adaptive immunological environment differentially modulates hippocampal neurogenesis.

Gala Dinner

Sunday 5th December :

SESSION VI: CNS infection and pathological mechanisms II

8-8.45h **Keynote lecture VIII: Chris Broder, USA**

8.50-9.20h **Talk XVI: Daniel Gonzalez-Dunia, Toulouse, France**
9.25-9.55h **Talk XVII: Anura Rambukkana, Edinburgh, UK**
(Coffee break)
10.30-11-45h **Talk XVIII: Louis Nel, Pretoria, Africa**
11.50-12.20h **Talk XIX: Roberto Chiesa, Milan, Italy**
(Lunch Basket)
(Visit of Reunion Island or free afternoon)

The New Non-Human Primate and Ferret Models for Nipah and Hendra Virus Pathogenesis and the Evaluation of Vaccine and Therapeutic Countermeasures.
Modeling Virus-neuron interactions using borna disease virus.
Reprogramming PNS niche by Leprosy bacteria: role in pathogenesis and repair.

Bat Lyssaviruses in Africa.
Mechanisms of Neuronal Dysfunction in Genetic Prion Diseases.

Monday 6th December :

SESSION VII: CNS infection and pathological mechanisms III

8-8.45h **Keynote lecture IX: Lynn Enquist, Princeton, USA**
8.50-9.20h **Talk XX: Ronan Jambou, Antananarivo, Madagascar**
9.25-9.55h **Talk XXI: Tom Solomon, Liverpool, UK**
10-10.30h **Talk XXII: David Perera, Sarawak, Malaysia**
(Coffee break)

Viruses to monitor in vivo neural activity.
Breaking of the wall : what role for allergy and histamine in cerebral malaria.
Japanese encephalitis virus.
Enterovirus 71.

SESSION VIII: Neuroinfection: treatments and vaccines

11-11-45h **Keynote lecture X: TBA**
11.50-12.20h **Talk XXIII: Brain Eley, Cape Town, Africa**
12.25-12.55h **Talk XXIV: Thiravat Hemachuda, Bangkok, Thailand**

TBA
The role of antiretroviral therapy in HIV encephalopathy.
Rabies virus and treatments.

CLOSURE and FAREWELL

(Lunch and coffee break)

* IANIS: International Association of Neuroinfection Studies (www.IANIS2010.fr)

** NORDEV: <http://www.nordev.re/en.html>

International organizing committee: P. Gasque (Reunion); R Bruzzone (China); K Kristensson (Sweden), D Griffin (USA), C Newton (UK, Africa), J Fazakerley (UK).

Local organizing committee: P Gasque and colleagues from GRI (University of la Reunion), CYROI (Biomedical research centre) and CHR (Hospital), Reunion Island