

9th

**International
Symposium on
NeuroVirology**



ISNV 09
June 2-6

Eden Roc Hotel
Miami Beach

Organizing Committee

Co-Chairs

Mahendra Kumar
Micheline McCarthy

Steven Jacobson
Eugene Major

David Volsky
Ehud Lavi

ISNV Meetings Committee

Brian Wigdahl, Chair
Steven Jacobson

Pasquale Ferrante
Israel Steiner

Walter Royal, III
Robert Fujinami

Lynn Pulliam
Jennifer Gordon

TENTATIVE AGENDA - 9TH INTERNATIONAL SYMPOSIUM ON NEUROVIROLOGY



The 9th International Symposium on NeuroVirology, which will be held in Miami Beach, FL, USA, is the latest in a series of international symposia focused on the dissemination of knowledge on basic and clinical aspects of neurovirology and related disciplines. For more information about the meeting, visit the meeting pages on the ISNV web site (www.isnv.org/miami09/index.php).

Tuesday, June 2, 2009

3:00 pm - 8:00 pm Registration for the 9th International Symposium on NeuroVirology

3:00 pm – 6:00 pm Foyer, 1st floor Ocean Tower

6:00 pm – 8:00 pm Foyer, 3rd floor Ocean Tower

4:00 pm - 6:00 pm Satellite Symposium

Alcohol abuse and HIV infection in the era of HAART - Sponsored by NIAAA

Salon 1A, 1st floor Ocean Tower

Symposium Chairs

Walter Royal III and Yuri Persidsky

4:00 pm - 4:25 pm Shilpa Buch

Neuropathogenesis of HIV-1 infection in the era of HAART

4:25 pm - 4:50 pm Norman Haughey

Fueling neurodegeneration through the abuse of alcohol in the setting of HIV-1 infection

4:50 pm - 5:15 pm Yuri Persidsky

Alcohol abuse and mouse models of HIV-1 neuropathogenesis

5:15 pm - 5:40 pm Edith Sullivan

Neuroimaging in HIV infection and alcoholism co-morbidity: Synergistic white matter damage

5:40 pm - 6:00 pm Abraham Bautista
Kendall Bryant

HIV funding opportunities and peer review at NIAAA

7:00 pm - 9:00 pm Opening Reception

Salon 2A, 3rd floor Ocean Tower

Wednesday, June 3, 2009

7:30 am - 8:00 am Continental Breakfast

Foyer, 3rd floor Ocean Tower

8:00 am - 8:30 am Welcoming Remarks

Brian Wigdahl, Chair, Meetings Committee

Peter Kennedy, President, ISNV

Jeymohan Joseph, NIMH/NIH

Diane Lawrence, NIDA/NIH

May Wong, NINDS/NIH

Mahendra Kumar & Micheline McCarthy,
Co-Chairs, Local Organizing Committee

8:30 am - 10:00 am	Session I	<i>HIV disease and neurologic complications</i>
Ocean Tower Ballroom II, Salons B and C, 3 rd floor Ocean Tower		
	Session Chairs	Lynn Pulliam and Peter Kennedy
8:30 am - 8:55 am	Joseph Berger (Plenary Address)	<i>HIV and the brain in the era of HAART</i>
9:00 am - 9:25 am	Benjamin Gelman	<i>Hemochromatosis (HFE) gene polymorphisms and HIV-associated brain pathology at autopsy: Results of a NeuroAIDS DNA bank study</i>
9:30 am - 9:55 am	Micheline McCarthy	<i>Influence of apolipoprotein E genotype on maturing human fetal neurons exposed to HIV-1</i>
10:00 am - 10:30 am	Coffee Break	
Foyer, 3 rd floor Ocean Tower		
10:30 am - 12:00 pm	Session II	<i>Host and viral genetics</i>
Ocean Tower Ballroom II, Salons B and C, 3 rd floor Ocean Tower		
	Session Chairs	Kamel Khalili and Brian Wigdahl
10:30 am - 10:55 am	Dana Gabuzda (Plenary Address)	<i>Viral genetics and immune activation in NeuroAIDS</i>
11:00 am - 11:25 am	Laura Manuelidis	<i>Profound differences encoded by various Creutzfeldt-Jakob Disease (CJD) and scrapie infectious agents are conserved in normal mice and monotypic murine cultures</i>
11:30 am - 11:55 am	Leonid Gorelik	<i>PML associated adaptive mutations in JC virus (JCV) VP1 protein are involved in viral receptor binding</i>
12:00 pm - 1:00 pm	Investigators-in-Training Session I	
Ocean Tower Ballroom II, Salons B and C, 3 rd floor Ocean Tower		
	Session Chairs	Robert Fujinami and Georgette Kanmogne
12:00 pm - 12:10 pm	Daniel Cowley	<i>Genetic and functional analysis of HIV-1 Tat derived from central nervous system isolates of patients with HIV-1-associated dementia</i>
12:15 pm - 12:25 pm	Kenneth W. Witwer	<i>Cellular microRNAs and interferon beta regulation during SIV infection of the CNS</i>
12:30 pm - 12:40 pm	Myoung-Hwa Lee	<i>Rescue of impaired hippocampal neurogenesis in HIV-gp120 transgenic mice with voluntary running and reversal by detraining</i>
12:45 pm - 12:55 pm	Michael Kogan	<i>Macrophage-colony stimulating factor regulation in mononuclear cells: Relevant pathways in HIV pathogenesis and the development of NeuroAIDS</i>
1:00 pm - 2:00 pm	Lunch Break (on your own)	
2:00 pm - 3:50 pm	Workshop	<i>International NeuroAIDS update</i>
Salon 1A, 1 st floor Ocean Tower		
	Workshop Chairs	Igor Grant and Robert Eisinger
2:00 pm - 2:25 pm	Igor Grant	<i>HIV-Associated Neurocognitive Disorders (HAND): Issues in international research</i>

2:25 pm - 2:50 pm	Robert Eisinger	<i>NIH priorities for HIV/AIDS research</i>
2:50 pm - 3:15 pm	Robert Paul	<i>Neuropsychological profile of patients commencing HAART in Cape Town, South Africa</i>
3:15 pm - 3:40 pm	Sudesh Prabhakar	<i>Neurological complications in HIV-1 infection in Chandigarh, India</i>
3:40 pm - 3:50 pm	Open Discussion	
2:00 pm - 3:50 pm	Workshop	<i>Biomarkers, disease prediction, & monitoring</i>
Salon 2A, 3 rd floor Ocean Tower		
	Workshop Chair	Tony Wyss-Coray
2:00 pm - 2:25 pm	Tony Wyss-Coray	<i>Systemic biomarkers for brain aging and neurodegeneration</i>
2:25 pm - 2:50 pm	Margaret Lentz	<i>Neuronal metabolism in HIV+ subjects lacking immune control correlates to M-CSF levels in cerebrospinal fluid</i>
2:50 pm - 3:00 pm	Eva Marie Ratai	<i>Brain creatine elevation and NAA reduction detected by 3T 1H MR spectroscopy indicates neuronal dysfunction in the setting of enhanced glial high energy metabolism in a macaque model of NeuroAIDS</i>
3:00 pm - 3:10 pm	Tricia Burdo	<i>Increased rate of monocyte turnover is predictive of AIDS and SIVE</i>
3:10 pm - 3:20 pm	Carlos A. Pardo-Villamizar	<i>Specific inflammatory profiles and HIV viral load in the cerebrospinal fluid (CSF) that correlate with AIDS-associated opportunistic infections of the central nervous system (CNS)</i>
3:20 pm - 3:30 pm	Pawel Ciborowski	<i>Proteomic fingerprints in CSF and blood of HIV-infected patients with neurocognitive disorders</i>
3:30 pm - 3:50 pm	Open Discussion	
4:00 pm - 5:30 pm	Special Lectures 1-3	
Ocean Tower Ballroom II, Salons B and C, 3 rd floor Ocean Tower		
4:00 pm - 4:30 pm	Special Lecture 1	
	Eliezer Masliah	<i>Aging and neurodegenerative disease</i>
	Introduction	Howard Fox
4:30 pm - 5:00 pm	Special Lecture 2	
	David Volsky	<i>Modeling HIV infection in mice</i>
	Introduction	Howard Fox
5:00 pm - 5:30 pm	Special Lecture 3	2009 Women in Neuroscience Lectureship
	Lynn Pulliam	<i>HIV in the brain: The trip of a lifetime</i>
	Introduction	Joan Berman
6:30 pm - 8:30 pm	Poster Session and Reception	
Ocean Tower Ballroom I, 1 st floor Ocean Tower		
8:00 pm	Meeting of participants in NIH R25 grant on Translational Research in NeuroAIDS and Mental Health (Funded by NIMH program on mentoring to diversify mental health)	

HIV research through innovative educational initiatives)

8:30 pm

Evening in Miami Beach

THURSDAY, JUNE 4, 2009

7:30 am - 8:00 am Continental Breakfast

Foyer, 3rd floor Ocean Tower

8:00 am - 9:30 am Session III *NeuroAIDS and minor neurocognitive disorders*

Ocean Tower Ballroom II, Salons B and C, 3rd floor Ocean Tower

Session Chairs

Ronald Ellis and Elyse Singer

8:00 am - 8:25 am

Kevin Robertson
(Plenary Address)

Neurocognitive disorders in HIV

8:30 am - 8:55 am

Renaud Du Pasquier

Prevalence of cognitive disorders in HIV+ patients with long-term suppression of viremia

9:00 am - 9:25 am

Louise Pemberton

Viral heterogeneity within the V3 loop of HIV-1 CSF isolates correlates with HIV-associated dementia (HAD)

9:30 am - 10:00 am Coffee Break

Foyer, 3rd floor Ocean Tower

10:00 am - 11:30 am Session IV

Substance abuse and other co-morbidities

Ocean Tower Ballroom II, Salons B and C, 3rd floor Ocean Tower

Session Chairs

Howard Gendelman and Sunhee Lee

10:00 am - 10:25 am

Johnny He
(Plenary Address)

HIV infection, drug abuse, and the brain

10:30 am - 10:55 am

Anil Kumar

HIV-1 Nef mediated induction of MCP-1 and cumulative effect of methamphetamine in astrocytes

11:00 am - 11:25 am

Michael Nonnemacher

Modulation of HIV-1 replication by μ -opioid and cAMP pathways in human bone marrow progenitor cells

11:30 am - 12:00 pm Special Lecture 4

Ocean Tower Ballroom II, Salons B and C, 3rd floor Ocean Tower

Charles Weissmann

Transmissible encephalopathies and prions

Introduction

Eugene O. Major

12:00 pm - 1:00 pm Investigators-in-Training Session II

Ocean Tower Ballroom II, Salons B and C, 3rd floor Ocean Tower

Session Chairs

Ruth Brack-Werner and Joseph Mankowski

12:00 pm - 12:10pm

Pornpun Vivithanaporn

Antiepileptic drug use in HIV infection: Clinical outcomes and immune effects

12:15 pm - 12:25 pm

Gurudutt Pendyala

Proteomic profiling of cerebrospinal fluid reveals potential neuropathogenic changes in NeuroAIDS

12:30 pm - 12:40 pm

Toni Roberts

The role of cell adhesion molecules in HIV-1 neuropathology

12:45 pm - 12:55 pm	Jonathan Pitcher	<i>Role of ferritin heavy chain and opiates in NeuroAIDS</i>
1:00 pm - 2:00 pm	Lunch Break (on your own)	
2:00 pm - 3:50 pm	Workshop	<i>Vaccines & neuropathogenesis</i>
Salon 1A, 1 st floor Ocean Tower		
	Workshop Chairs	Eckhard Podack and David Weiner
2:00 pm - 2:25 pm	David Weiner	<i>Putting lipstick on a pig: Improving the immune potency of DNA vaccines for infectious diseases</i>
2:30 pm - 2:55 pm	Eckhard Podack	<i>Chaperone based vaccination against SIV stimulates powerful mucosal response</i>
3:00 pm - 3:10 pm	Pooja Jain	<i>DC-SIGN as a potential target to block HTLV-1 transmission and infection</i>
3:15 pm - 3:25 pm	Guey Chuen Perng	<i>ICAM-5 modulates chemokines production in CNS during the course of herpes simplex virus type 1 infection</i>
3:30 pm - 3:40 pm	Ruth Itzhaki	<i>Herpes simplex virus type 1, apolipoprotein E, Alzheimer's disease & antiviral treatment</i>
3:40 pm - 3:50 pm	Open Discussion	
2:00 pm - 3:50 pm	Workshop	<i>Signal transduction & cellular/viral gene expression</i>
Salon 1B, 1 st floor Ocean Tower		
	Workshop Chairs	Edward Harhaj and Ken Tyler
2:00 pm - 2:25 pm	Edward Harhaj	<i>Mechanisms of persistent NF-kB activation by HTLV-1 Tax</i>
2:25 pm - 2:35 pm	Rick Meeker	<i>Stabilizing intracellular calcium regulation with novel neurotrophin mimetics provides potent neuroprotection against gp120-induced macrophage toxins</i>
2:35 pm - 2:45 pm	Penny Clarke	<i>Gene expression in the brain during virus-induced encephalitis</i>
2:45 pm - 2:55 pm	Claudia Detje	<i>Local IFNAR signaling protects against virus spread within the central nervous system</i>
2:55 pm - 3:05 pm	J. David Beckham	<i>Reovirus activates BMP signaling pathways in vitro and in vivo which contribute to neuronal survival following infection</i>
3:05 pm - 3:15 pm	Erick Tatro	<i>Alteration of gene regulatory networks through microRNAs in frontal cortex of HIV-infected individuals</i>
3:15 pm - 3:25 pm	Scott Schachtele	<i>Herpes simplex virus infection of microglial cells triggers oxidative stress responses and damage via Toll-like receptor 2</i>
3:25 pm - 3:50 pm	Open Discussion	
4:00 pm - 5:30 pm	Special Lectures 5-7	
Ocean Tower Ballroom II, Salons B and C, 3 rd floor Ocean Tower		
4:00 pm - 4:30 pm	Special Lecture 5	
	Ken Tyler	<i>Mechanisms of virus-induced CNS injury and neuronal cell death</i>
	Introduction	Mahendra Kumar

4:30 pm - 5:00 pm	Special Lecture 6 Jeanette Marketon Introduction	Psychoneuroimmunology <i>Neural-immune interactions: Glucocorticoid receptors as a target for infectious agents</i> Mahendra Kumar
5:00 pm - 5:30 pm	Special Lecture 7 Nigel Fraser Introduction	Paradigm Builder Lectureship <i>Herpes simplex virus – a tale of two states</i> James Lokensgard
6:30 pm - 8:00 pm	Networking Reception <i>Sponsored by the Women in NeuroVirology Committee (WIN)</i> Salon 2A, 3 rd floor Ocean Tower	
8:00 pm	Evening in Miami Beach	

FRIDAY, JUNE 5, 2009

7:30 am - 8:00 am	Continental Breakfast Foyer, 3 rd floor Ocean Tower	
8:00 am - 9:30 am	Session V Ocean Tower Ballroom II, Salons B and C, 3 rd floor Ocean Tower	Pathogenesis of neurotropic viruses
	Session Chairs	Don Gilden and Monique Lafon
8:00 am - 8:25 am	Velpandi Ayyavoo (Plenary Address)	<i>Insights into the role of HIV-1 Vpr in neuropathogenesis</i>
8:30 am - 8:55 am	Howard Lipton (Plenary Address)	<i>The role of apoptosis in Theiler's virus persistence in mice</i>
9:00 am - 9:30 am	Alan Jackson	<i>Rabies virus infection of dorsal root ganglia in experimental rabies and in cultured adult mouse dorsal root ganglia neurons: Selective vulnerability and evidence of oxidative stress</i>
9:30 am - 10:00 am	Coffee Break Foyer, 3 rd floor Ocean Tower	
10:00 am - 11:30 am	Session VI Ocean Tower Ballroom II, Salons B and C, 3 rd floor Ocean Tower	Innate and adaptive immunity
	Session Chairs	Carol Shoshkes Reiss and Kenneth Williams
10:00 am - 10:25 am	Glen Barber (Plenary Address)	<i>Restricting oncolytic vesicular stomatitis virus neurovirulence using miRNA strategy</i>
10:30 am - 10:55 am	Bonnie Blomberg	<i>Molecular mechanisms for decreased antibody response in aged humans</i>
11:00 am - 11:25 am	Tracy Fischer-Smith	<i>Modulation of HIV-1 replication, monocyte/macrophage phenotype, and cytokine gene expression, by tyrosine kinase inhibitors: A novel approach for pharmacotherapeutic intervention in HIV infection and NeuroAIDS</i>
11:30 am - 12:00 pm	Special Lecture 8	Neurological Infections Lectureship

Ocean Tower Ballroom II, Salons B and C, 3rd floor Ocean Tower

	James Sejvar	<i>Neurological complications of influenza</i>
	Introduction	Avindra Nath

12:00 pm - 12:30 pm **Investigators-in-Training Session III**

Ocean Tower Ballroom II, Salons B and C, 3rd floor Ocean Tower

	Session Chairs	Antonina Dolei and Valeria Pietropaolo
12:00 pm - 12:10 pm	Ilker Sariyer	<i>The cellular splicing factor, SF2/ASF, is a negative regulator of JC virus transcription and replication in glial cells</i>
12:15 pm - 12:25 pm	David Boltz	<i>Spread of H5N1 influenza viruses in rat cortical neuron culture is effected by surface glycoproteins</i>

12:30 pm - 1:30 pm Lunch Break (on your own)

2:00 pm - 3:50 pm Workshop Molecular therapeutics & drug delivery

Salon 1A, 1st floor Ocean Tower

	Workshop Chair	Harris Gelbard
2:00 pm - 2:25 pm	Harris Gelbard	<i>Why is mixed lineage kinase activity so important to drug development for NeuroAIDS?</i>
2:25 pm - 2:40 pm	Joseph Steiner	<i>New therapeutics development for HAND</i>
2:40 pm - 2:55 pm	Madhavan Nair	<i>Magnetic nanocarrier drug delivery system for targeting AZTTP and CTOP to brain</i>
2:55 pm - 3:10 pm	Elias Argyris	<i>Novel proteoglycan-related molecular targets in HIV-1 infection of primary human macrophages: Implications for neuropathogenesis</i>
3:10 pm - 3:25 pm	Ravi Mahalingam	<i>Latent simian varicella virus reactivates in monkeys treated with tacrolimus with or without exposure to irradiation</i>

3:25 pm - 3:50 pm Open Discussion

1:30 pm - 3:50 pm Workshop Demyelinating diseases and virus reactivation in disease modifying therapies

Salon 1B, 1st floor Ocean Tower

	Workshop Chairs	Steven Jacobson, Micheline McCarthy, and Antonina Dolei
1:30 pm - 1:45 pm	Henry McFarland	<i>Pathogenesis of Multiple Sclerosis</i>
1:45 pm - 1:55 pm	Olaf Stuve	<i>Iatrogenic breakdown of CNS immunosurveillance as a potential contributing factor to opportunistic infections</i>
1:55 pm - 2:05 pm	Antonina Dolei	<i>Regulation of MSR (Multiple Sclerosis-associated retrovirus) and Syncytin-1 by viruses and cytokines</i>
2:05 pm - 2:15 pm	Emilie Jaquier*	<i>Increased EBV reactivation in the cerebrospinal fluid of patients with early Multiple Sclerosis</i>
2:15 pm - 2:25 pm	S. Anna Sargsyan	<i>Epstein-Barr virus is not present in Multiple Sclerosis brain</i>
2:25 pm - 2:35 pm	Jussi Virtanen	<i>Human herpesvirus 6 antibodies in Multiple Sclerosis</i>

2:35 pm - 2:40 pm	Steven Jacobson	<i>Reactivation of human herpesvirus after natalizumab treatment in patients with Multiple Sclerosis</i>
2:40 pm - 2:48 pm	Pasquale Ferrante	<i>Study of human polyomaviruses reactivation in Multiple Sclerosis patients during natalizumab therapy</i>
2:48 pm - 2:56 pm	Igor Koralnik	<i>Subclinical reactivation of JC virus in blood and urine of Multiple Sclerosis patients treated with natalizumab</i>
2:56 pm - 3:04pm	Cillian De Gascun	<i>Reactivation of latent viral infections in patients receiving natalizumab for the treatment of Multiple Sclerosis</i>
3:04 pm - 3:12 pm	Emanuela Branchetti*	<i>Treatment of PBMC with the immunosuppressive drug Rituximab reactivates JC virus gene expression and replication in glial cells</i>

3:12 pm - 3:50 pm Open Discussion

4:00 pm - 5:00 pm **Investigators-in-Training Session IV**

Ocean Tower Ballroom II, Salons B and C, 3rd floor Ocean Tower

	Session Chairs	Walter Royal III and Adarsh Kumar
4:00 pm - 4:10 pm	Jieliang Li	<i>Interferon lambda inhibits herpes simplex virus type 1 replication in human neuronal cells</i>
4:15 pm - 4:25 pm	Damien Choppy	<i>Role of LGP2, a cytoplasmic RIG-I-like helicase, on neuronal innate immune gene expression during rabies virus infection</i>
4:30 pm - 4:40 pm	Laura B. Jaeger	<i>Migration of JC virus across the human blood-brain barrier occurs via clathrin-mediated endocytosis</i>
4:45 pm - 4:55 pm	Saifur Rahman	<i>Modeling HTLV-1 infection and cellular immune response in HLA-A*0201 transgenic mice</i>

5:00 pm - 5:30 pm **Special Lecture 9** **Bill Narayan Lectureship**

Ocean Tower Ballroom II, Salons B and C, 3rd floor Ocean Tower

	Janice Clements	<i>Unraveling the pathogenesis of HIV in the brain: Examining the SIV model during acute infection</i>
	Introduction	Shilpa Buch

6:30 pm – 7:30 pm **Pioneer Reception**

Ocean Tower Ballroom I, Salon C, 1st floor Ocean Tower

7:30 pm – 10:30 pm **Pioneer Banquet**

Ocean Tower Ballroom I, Salons A and B, 1st floor Ocean Tower

*Investigator-in-Training Awardee

SATURDAY, JUNE 6, 2009

7:30 am - 8:00 am **Continental Breakfast**

Foyer, 3rd floor Ocean Tower

8:00 am - 9:30 am **Session VII** **Molecular biology of neurotropic viruses**

Ocean Tower Ballroom II, Salons B and C, 3rd floor Ocean Tower

	Session Chairs	Jennifer Gordon and Bruce Shiramizu
8:00 am - 8:25 am	Shohreh Amini (Plenary Address)	<i>Virus-host interplay modulating HIV-1 gene regulation</i>
8:30 am - 8:55 am	Hirofumi Sawa	<i>Viroporin activity of JCV agnoprotein</i>
9:00 am - 9:25 am	Kelly Jordan-Scuitto	<i>MDMx as a potential neuroprotective molecule in HIV-induced neuronal injury</i>
9:30 am - 10:00 am	Coffee Break Foyer, 3 rd floor Ocean Tower	
10:00 am - 11:30 am	Session VIII	<i>Stem cell biology, neurogenesis, & neurodegeneration</i>
	Session Chairs	Jay Rappaport and Barbara Krynska
10:00 am - 10:25 am	Steven Goldman (Plenary Address)	<i>Chimeric mouse brains as models for assessing human glial physiology and pathology in vivo</i>
10:30 am - 10:55 am	Maxim Cheeran	<i>Experimental herpes simplex virus-1 encephalitis induces neural stem cell proliferation and migration</i>
11:00 am - 11:25 am	Pankaj Seth	<i>HIV-1 Tat protein attenuates proliferation and differentiation of human neural precursor cells</i>
11:30 am - 12:30 pm	Special Lectures 10-11 Ocean Tower Ballroom II, Salons B and C, 3 rd floor Ocean Tower	
11:30 am - 12:00 pm	Special Lecture 10 Kamel Khalili Introduction	<i>Oncogenic potential of human neurotropic virus, JCV</i> Peter Kennedy
12:00 pm - 12:30 pm	Special Lecture 11 Brian Wigdahl Introduction	<i>Genetic variation, transcription, and HIV/AIDS</i> Peter Kennedy
12:30 pm - 12:45 pm	Closing Remarks Ocean Tower Ballroom II, Salons B and C, 3 rd floor Ocean Tower	
2:00 pm - 6:00 pm	Board of Directors Meeting Belle Room, Lower Lobby Level, Resort Tower	<i>Board Members, International Society for NeuroVirology</i>

Registration

Attendees may register for the ISNV Symposium online at www.isnv.org. A discounted registration rate will be available to individuals holding membership in the Society. This discount is applicable to individuals choosing to join the Society and register for the Symposium concurrently. Please visit the Society website at www.isnv.org for membership forms, information, and benefits. The deadline for meeting registration is **Monday, May 4th, 2009**. Registration received after May 4th, 2009 or on-site will be subject to a surcharge of 15%. Registration fees (US dollars), based on ISNV membership status, are as follows:

ISNV Member:	\$560
ISNV Non-member:	\$850
Postdoc/Student Member:	\$285
Postdoc/Student Non-member:	\$410

Abstract Submission

Abstracts for the Symposium will be accepted for consideration until **Thursday, April 23rd, 2009**. A supplemental issue of the Journal of NeuroVirology, in which abstracts accepted for poster and oral presentations will be published, will be distributed at the meeting.

Abstract submissions will be accepted online at www.jneurovirol.com. The final decision regarding abstract acceptance and selection for oral presentation rests with the Scientific Committee. Each abstract submission will be acknowledged by email. The presenting authors of abstracts accepted by the Committee will be notified no later than **Monday, April, 27th, 2009**. Details regarding electronic submission of abstracts are outlined below.

Online Submission

Online submission of abstracts will be handled via the Journal of NeuroVirology website at www.jneurovirol.com. Links to the submission site can be found at www.isnv.org. The online submission system will be active through **Thursday, April 23rd, 2009**. Users must create a user name and password, which will permit author access for modification and revisions until final submission. Users will be prompted to indicate the presenting author and provide contact information (including email address). Detailed formatting instructions will be available online. Avoid Greek letters and symbols. Tables, charts, or other graphics may not be included. Once the abstract has been electronically submitted, a confirmation of receipt will be sent to the presenting author's email address. Until the submission deadline has passed, the presenting author may modify submitted abstracts using the user name and password. Please contact the Journal of NeuroVirology editorial office if you have any difficulty with the online submission system.

Oral Presentations

Most speakers at the ISNV Symposium will be selected from submitted abstracts by the Scientific Committee. Each session will feature one or two plenary speaker(s) and three to five oral presentations. Oral presentations will be fifteen minutes each plus discussion, time permitting. If you wish to be considered for an oral presentation, please indicate so at the time of abstract submission.

Poster Presentations

All posters for the ISNV Symposium will be presented at the Poster Session to be held on the evening of Wednesday, June 3rd.

Pioneer Award Gala Dinner

The Pioneer in NeuroVirology award is presented periodically in recognition of outstanding achievement in the field of neurovirology. The 2009 Pioneer in NeuroVirology Award will be presented during the 9th International Symposium on NeuroVirology at a Gala Dinner to be held on Friday, June 5th, 2009. Attendance at the Gala Dinner is included in the ISNV Symposium registration fee. All accompanying persons are invited to attend the banquet for a nominal fee. Please contact the ISNV if you wish to bring a guest to the Gala Dinner. Please visit www.isnv.org/pioneer/current.php for more information and a list of previous recipients of the award.

Investigators-in-Training Travel Grants

The meeting organizers will offer a limited number of travel awards for junior investigators to attend and present their abstracts in special sessions. Travel grants will cover the cost of lodging and will help to defray the cost of airfare. Per diem expenses are not included. Trainees will be reimbursed after submission of expenses following the meeting. Students and postdoctoral fellows who are ISNV members and presenting authors on submitted abstracts are eligible to apply for a travel grant. Trainees who become ISNV members at the time of meeting registration and abstract submission will be considered eligible. Junior investigators will be asked to indicate their interest in being considered for an Investigator-in-Training travel grant at the time of abstract submission. Trainees must verify their eligibility by providing a letter from their advisor or department chair confirming their status as a graduate student or postdoctoral fellow. Travel grant requests must be made at the time of abstract submission and therefore must be received by the abstract submission deadline. Trainees that have not confirmed their status by providing a letter from their advisor or Chair will not be eligible to receive a travel grant.

Audiovisual

Please note that Microsoft PowerPoint and LCD computer projection systems will be available for oral presentations. Equipment necessary for the projection of 35 mm slides will not be available. Please contact the ISNV Administrative Office if you will require alternative audiovisual capabilities.

Individuals with Special Needs

Please note that the meeting space is wheelchair accessible and ADA compliant. Should you require special services while in attendance at the Symposium, please contact the ISNV Administrative Office before the meeting so that we can arrange for any such accommodations.

Cancellation Policy

Requests for cancellation of meeting registration made before the meeting will be refunded in full minus a \$20 handling fee. There will be no refund for cancellation requests received after the meeting has begun. The cancellation policy does not apply to hotel room reservations. Please contact the Eden Roc Hotel and Resort directly for information regarding cancellation and refund policies of individual hotel rooms.

Hotel Reservations and Meeting Venue

The ISNV Symposium will be held at the Eden Roc Hotel and Resort in Miami Beach, Florida, USA. A number of rooms at the hotel have been reserved for participants and their guests. Rooms are available at the negotiated rate of \$189 USD for single/double occupancy. A government rate is not available.

Reservations can be made by calling 1-800-319-5354 and requesting the special rate for the International Society for NeuroVirology meeting. The negotiated meeting rate will only be available from May 29 through June 7, 2009. Reservations can also be made online through the Eden Roc Hotel and Resort website using the following group code: **isnisna**. A direct link to the hotel reservation page can be found on the ISNV website at www.isnv.org. Alternatively, go to www.marriott.com and search under "Miami Beach, FL" for the Eden Roc Hotel and Resort.

Reservations for additional nights (not at the negotiated meeting rate) can be made by contacting the hotel directly at 1-800-319-5354.

Discounted room rates will only be available until May 4, 2009. Please reserve your room early, since discounted room rates may sell out prior to that date.

Directions to the Hotel

From the Miami International Airport (MIA)

*Hotel direction: 11 miles E

Driving Directions:

- Exit at Beaches/State road 112 east (\$1.50 toll)
- 112 becomes I-195. Remain in left lane
- Road will fork, bear left onto 41st street (Arthur Godfrey Road)
- Follow 41st street, stay in left lane.
- Cross the bridge to Indian Creek Drive, turn left.
- Indian Creek becomes Collins Ave. Stay in right lane.
- The Eden Roc is 4 blocks north on the right.

The hotel does not provide shuttle service.

*Alternate Transportation: Super Shuttle 305-871-2000

*Estimated taxi fare: \$32.00 USD (one way)

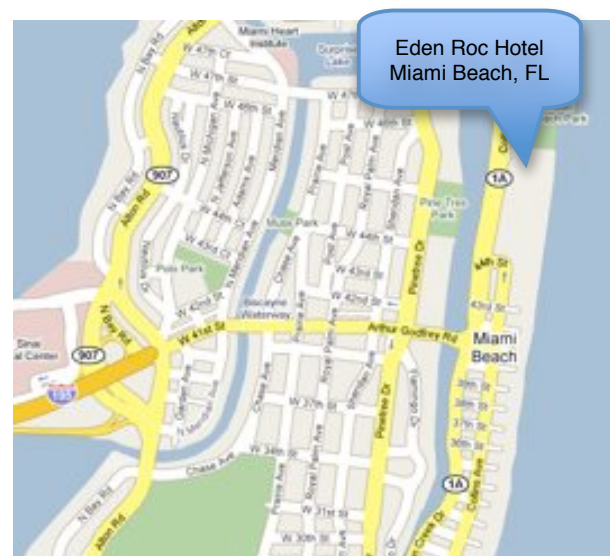
From the Fort Lauderdale airport (FLL)

*Hotel direction: 25 miles SE

Driving Directions:

- Follow signs for 595 west.
- Travel in right lanes on 595 west for 3 miles.
- Exit from right lane onto I-95 south. Follow for 20 miles.
- Exit at I-195 East/Miami Beach. Travel for 4 miles and bear left onto 41st Street (Arthur Godfrey Road).
- Follow 41st street, remain in left lane and cross bridge to Indian Creek Dr. Turn left.
- Indian Creek becomes Collins Ave.
- The Eden Roc is 4 blocks north on the right.

*Estimated taxi fare: \$50.00 USD (one way)



© 2009 Google Map data