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*Society on NeuroImmune Pharmacology conference  
Agenda in 2020 (dates will be announced shortly)*

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<b>Time/period</b>	<b>Events</b>
<b>On the day prior to the official meeting days (Days 1-5)</b>	
5:00 pm-6:30 pm	<b>Council meeting</b>
6:30 pm-9:00 pm	<b>Council dinner</b>
<b>Day 1</b>	
<b>8:00 am Departure from Hotel Lalit to National Brain Research Center (NBRC)</b>	
9:30 am-11:30 am	<b>Local Symposium: Neuroinflammation and Autophagy</b>  <b>Introduction: Pankaj Seth, Ph.D.</b>  <b>Co-Chairs:</b> <b>Anirban Basu, Ph.D.,</b> Professor, National Brain Research Centre (NBRC), Manesar, India  <b>Luay Rshan, Ph.D.,</b> Professor, Dhofar University, Salalah, Oman  <b>Speakers</b> <b>1. Manjula Kalia, Ph.D.,</b> Regional Centre of Biotechnology, Faridabad, India

	<p><b>Title:</b> Pharmacological modulation of Autophagy as a potential therapeutic for Japanese encephalitis.</p> <p><b>2. Sunit Singh, Ph.D.,</b> Professor, Banaras Hindu University, Varanasi, India  <b>Title:</b> Viruses: Hijackers of Host microRNAs.</p> <p><b>3. Jayasri Das Sarma, Ph.D.,</b> Professor, Indian Institute of Scientific Education and Research-Kolkata, India  <b>Title:</b> Functional regulation of gap junction intercellular communication in viral induced neuro-inflammation.</p> <p><b>4. Eshwaran Sreekumar, Ph.D.,</b> Senior Scientist, Rajiv Gandhi Centre for Biotechnology, Trivandrum, India  <b>Title:</b> Cytoplasmic role of Nucleophosmin (NPM1)/B23 in restricting Chikungunya virus replication in human astrocytic cells.</p> <p><b>5. Ellora Sen, Ph.D.,</b> Senior Scientist, National Brain Research Centre, Manesar, India  <b>Title:</b> Inflammation, metabolism and circadian clock in brain tumors</p> <p><b>6. Saravana Babu Chidambaram, PhD,</b> JSS College of Pharmacy, Mysuru &amp; Coordinator, Centre for Experimental Pharmacology &amp; Toxicology, JSS Academy of Higher Education &amp; Research, Mysuru, India,  <b>Title:</b> Metformin activates AMPK-mTORC1- beclin-1 -mediated autophagy and alleviates pathogenic accumulation of b-amyloid in chronic sleep restricted rats brain.</p> <p><b>7. Sourav Banerjee, Ph.D,</b> Senior Scientist, National Brain Research Centre, Manesar, India  <b>Title:</b> Trash or Treasure? Long non-coding RNAs in age-regulated memory deficits</p>
11:30 am-12:00 noon	Technical Talk by Sponsors
12:00 noon-12:30 pm	Tour of research facilities at NBRC/Group Photograph
12:30 pm-1:30 pm	Lunch at NBRC
1:30 pm-3:30 pm	<b>NIH Sponsored Symposium at NBRC</b>

	<p><b>Opening Remark:</b>  <b>Yu (Woody) Lin, M.D. and Ph.D.</b>, Program Director, Integrative Neuroscience Branch, Division of Neuroscience and Behavior, National Institute on Drug Abuse/NIH, Bethesda, MD, USA  <b>Roger Sorensen, Ph.D.</b>, Branch Chief, Integrative Neuroscience Branch, Division of Neuroscience and Behavior, National Institute on Drug Abuse/NIH, Bethesda, MD, USA</p> <p><b>Attributes of Substances of Abuse in NeuroHIV</b>  <b>Speakers: TBA</b></p> <p><b>New Vision and Innovation in SUD x neuroHIV</b>  <b>Speakers: TBA</b></p>
3:30 pm-4:30 pm	<b>Transfer from NBRC to The Lalit Hotel</b>
4:30 pm - 8.00 pm	<b>Registration at the Lalit Hotel</b>
4:30 pm-7:30 pm	<p><b>Poster session: Drs. Gurudutt Pendyala, Jun Zhu and Pankaj Seth</b>  Reception: Finger snacks &amp; drinks</p>
7:30 pm - 8.00 pm	<b>Opening ceremony and music performance</b>
8:00 pm - 9.30 pm	<p><b>DISC session for trainees and invited mentees: Dr. Sowmya Yelamanchili</b>  <b>Speakers:</b>  <b>Thirumala-Devi Kanneganti, Ph.D.</b>, St. Jude Children’s Research Hospital, Memphis, TN, USA  <b>Title:</b> Molecular targets for the treatment of inflammatory diseases, infection, and cancer</p>
<b>Day 2</b>	
8:00 am-8:15 am	<b>Inauguration/welcome by the President: Sulie L. Chang, Ph.D.</b>

8:15 am-8:45 am	<p><b>President Plenary Lecture</b></p> <p><b>Introducer: Sulie L. Chang, Ph.D.,</b> Director, Institute of NeuroImmune Pharmacology and Professor, Department of Biological Sciences, Seton Hall University, South Orange, NJ, USA (5 min)</p> <p><b>Speakers: Kamel Khalili, Ph.D.,</b> Laura H. Carnell Professor and Chair, Department of Neuroscience, Director, Center for Neurovirology and Comprehensive NeuroAIDS Center, Lewis Katz School of Medicine, Temple University, Philadelphia, PA, USA (25 min)</p> <p><b>Title:</b> Toward HIV Cure; The CRISPER Story and More</p>
8:45 am-10:15 am	<p><b>President Symposium: Neuroimmune Signaling in Health and Alcohol Use Disorders</b></p> <p><b>Introduction:</b></p> <p><b>Sulie L. Chang, Ph.D.</b> Director, NeuroImmune Pharmacology, Professor, Department of Biological Sciences, Seton Hall University, South Orange, NJ, USA</p> <p><b>Co-Chairs:</b></p> <p><b>Antonio Noronha, Ph.D.,</b> Director, Division of Neuroscience and Behavior, National Institute on Alcohol Abuse and Alcoholism/NIH, Bethesda, MD, USA</p> <p><b>Horace H. Loh, Ph.D.,</b> Regents Professor, University of Minnesota Medical School, Minneapolis, MN, USA and Director, Guangzhou Regenerative Medicine and Health Guangdong Laboratory, General Pain Institute, Guangzhou, China</p> <p><b>Dr. Horace H. Loh (5 min)</b></p> <p><b>Title:</b> Neuroimmune pharmacology of addictive substances: SNIP in the 21st century</p> <p><b>Speakers</b></p> <p><b>1. Fulton T. Crews, Ph.D.</b> John Andrews Distinguished Professor, Pharmacology and Psychiatry, Director, Bowles Center for Alcohol Studies, School of Medicine, University of North Carolina at Chapel Hill, Chapel Hill, NC, USA</p> <p><b>Title:</b> Rage, toll-receptor signaling, and epigenetics contribute to long lasting changes in neurocircuitry and behavior</p>

	<p><b>2. Dipak Sarkar, Ph.D. D.Phil.</b> Board of Governors and Distinguished Professor, Department of Animal Sciences, Director, Endocrinology Program, School of Environmental &amp; Biological Sciences, The State University of New Jersey, New Brunswick, NJ, USA  <b>Title:</b> Complement Systems Participate in Exosomes Mediated Neurotoxicity</p> <p><b>3. Adolf Pfefferbaum, M.D.</b> Professor Emeritus, Stanford University School of Medicine, Stanford, Distinguished Scientist and Senior Director of the Neuroscience Program, Center for Health Science, SRI International, Menlo Park, CA, USA  <b>Title:</b> HIV Infection and the Aging Brain: Contributions from Comorbidities, Nutrition, and Peripheral Systems</p> <p><b>4. Subhash C Pandey, Ph.D.</b> Professor, Department of Psychiatry, Director, Alcohol Research Center, Senior Research Career Scientist, University of Illinois at Chicago &amp; Jesse Brown VA Medical Center, Chicago, IL, USA  <b>Title:</b> Emerging Epigenetic Mechanisms Underlying Alcohol Use Disorders</p>
10:15 am-10:45 am	Coffee/Tea break/Networking
10:45 am-12:15 pm	<p><b>Symposium 1: Theranostics</b></p> <p><b>Chair: Howard Gendelman, M.D.,</b> (5 minute introduction) Professor and Chair, Department of Pharmacology, University of Nebraska Medical Center, Omaha, NE, USA</p> <p><b>Speakers</b></p> <p><b>1. Xiaoyuan Chen, Ph.D.,</b> Senior Investigator, Laboratory of Molecular Imaging and Nanomedicine, National Institute of Biomedical Imaging and Bioengineering, National Institutes of Health, Bethesda, USA  <b>Title:</b> Nanovaccine as Cancer Immunotheranostics</p>

	<p><b>2. Howard Gendelman, M.D.,</b> HIV/AIDS. Professor and Chair, Department of Pharmacology, University of Nebraska Medical Center, Omaha, USA  <b>Title:</b> HIV Theranostics</p> <p><b>3. Prasanta Kumar Dash, Ph.D.,</b> Instructor, Department of Pharmacology and Expt Neuroscience, University of Nebraska Medical Center, Omaha, NE, USA.  <b>Title:</b> Detection and Amplification of Replication Competent HIV-1 by Adoptive Transfer of Human Cells from Art Suppressed Infected Humanized Mice.</p>
12:15 pm-1:45 pm	<p><b>Meet-the-Mentor (MTM) lunch:</b>  <b>Co-Chairs</b>  <b>Siddappa Byrareddy, Ph.D.,</b> Associate Professor, University of Nebraska Med. Ctr., Omaha, NE, USA  <b>Allison Rodrigues, Ph.D.,</b> Assistant Professor, Florida International University, Miami, FL, USA</p>
12:15 pm-1:45 pm	<p><b>Council meeting</b></p>
2:00 pm-2:30 pm	<p><b>Bill Narayan Memorial Lecture</b>  <b>Introducer: Sanjay Maggirwar, Ph.D.</b> Professor and Chair, GW Department of Microbiology, Immunology, and Tropical Medicine, The George Washington University, Washington, DC, USA (5 min)</p> <p><b>Speaker: Rosemarie Booze , Ph.D.,</b> Professor and Bicentennial Endowed Chair of Behavioral Neuroscience, Department of Psychology, University of South Carolina, Columbia, SC, USA  <b>Title:</b> HIV-1 Associated Neurocognitive Disorders (HAND) Following Chronic Microglial Infection and Viral Protein Production (25 min)</p>
2.30 pm-3:00 pm	<p><b>Addiction Medication Plenary Lecture</b>  <b>Introducer: Syed Ali, Ph.D.,</b> Little Rock, AR, USA</p> <p><b>Speaker: Barbara Mason, Ph.D.</b> Pearson Family Professor, Department of Neuroscience, Director, Pearson Center on Alcoholism and Addiction Research, Scripps Research, La Jolla, CA, USA  <b>Title:</b> Alcohol Use Disorders and Potential Treatment (25 min)</p>

3:00 pm-3:30 pm	Coffee/Tea break/Networking
3:30 pm-4:00 pm	<p><b>US-Indo Plenary Lecture 1</b>  <b>Introducer: Michelle L. Mack, MS.</b> Institute of NeuroImmune Pharmacology, Seton Hall University, South Orange, NJ, USA (5 min)</p> <p><b>Speaker: Rajita Sinha, Ph.D.</b> Foundations Fund Professor in Psychiatry, Neuroscience and Child Study; Chief, Psychology Section in Psychiatry; Director, Yale Stress Center; Co-Director of Education, Yale Center of Clinical Investigation (Yale Clinical Translational Science Award), Yale University School of Medicine, USA  <b>Title:</b> Alcohol and Stress-Immune Axis: Impact on Alcohol Relapse and Pharmacotherapy Outcomes (25 min)</p>
4:00 pm-5:30 pm	<p><b>Symposium 2: Substance Abuse, HIV Infection and Associated Disorders</b>  <b>Co-Chairs:</b>  <b>Dr. Hitendra S Chand, Ph.D.</b> Department of Immunology and Nanomedicine, Florida International University, Miami, FL, USA  <b>Mohan Sopori, Ph.D.</b> Director, Immunology Program, Lovelace Respiratory Research Institute, Albuquerque, NM, USA</p> <p><b>Speakers</b></p> <p><b>1. Mohan Sopori, Ph.D.</b> Director, Immunology Program, Lovelace Respiratory Research Institute, Albuquerque, NM, USA  <b>Title:</b> Role of Airway Epithelial Cells in HIV- and Cigarette Smoke-Associated Obstructive Lung Diseases</p> <p><b>2. Navneet Dhillon, Ph.D.</b> Professor, Pulmonary and Critical Care Medicine, University of Kansas Medical Center, Kansas City, KS, USA  <b>Title:</b> Substance Abuse and HIV Associated Pulmonary Vascular Disease</p> <p><b>3. Hitendra S Chand, Ph.D.</b> Associate Professor, Department of Immunology and Nanomedicine, Florida International University, Miami, FL, USA</p>

	<p><b>Title:</b> Long Noncoding RNAs – New Players in Respiratory Epithelial HIV Infections and Pathologies</p> <p><b>4. Siddappa Byrareddy Ph.D.</b> Associate Professor, Department of Pharmacology and Experimental Neuroscience, University of Nebraska Medical Center, Omaha, NE, USA</p> <p><b>Title:</b> Drugs of Abuse and SIV Reservoirs</p>
5:30 pm-5:45 pm	<b>Break</b>
5:45 pm-6:45 pm	<p><b>Microbiome Workshop: The microbiota modulation of the neuronal-immune system.</b></p> <p><b>Chair: Kendall Bryant, Ph.D., Director of HIV/AIDS Research at National Institute on Alcohol Abuse and Alcoholism and Scientific Collaborator of the Consortiums for HIV/AIDS and Alcohol Research Translation (CHAART), NIH Bethesda, MD, USA</b></p> <p><b>Preface: Sabita Roy, Ph.D.,</b> Professor, Department of Surgery, University of Miami Health System, Miami, FL, USA (10 min)</p> <p><b>Speaker: Shirish S. Barve, Ph.D.</b> Professor, Department of Medicine and Pharmacology and Toxicology, University of Louisville, Louisville, KY, USA</p> <p><b>Title:</b> Fecal Microbiome Transplant From Alcoholic Hepatitis Patients Induces Inflammatory Changes in Gut-Brain-Immune Axis in Mice (20 min)</p> <p>Panel list: TBA (to be invited from the conference delegates)</p>
7:00 pm-9:00 pm	<b>Continental buffet dinner</b>
7:00 pm-9:00 pm	<b>The JNIP Editorial Board Dinner Meeting</b> (by invitation only)
<b>Day 3</b>	



8:00 am-8:30 am	<p><b>Nanotechnology Plenary Lecture</b></p> <p><b>Introducer: Dr. Santosh Kumar, Ph.D.</b>, Professor, Department of Pharmaceutical Sciences, College of Pharmacy, University of Tennessee Health Science Center, Memphis, TN, USA</p> <p><b>Speaker: Dr. Madhavan Nair, Ph.D., C.N.S., F.A.C.N., F.A.A.A.I.</b>, Distinguished Professor and Founding Chair, Department of Immunology and Nano-Medicine, Associate Vice President of Nanomedicine, Associate Dean of Biomedical Research, Director, Institute of NeuroImmune Pharmacology, Herbert Wertheim College of Medicine, Florida International University, Miami, FL, USA</p> <p><b>Title:</b> Getting into the Brain: Use of Nanotechnology in Drug Abuse Research (25 min)</p>
8:30 am-10:00 am	<p><b>Symposium 3: Extracellular Vesicles in Substance Abuse and Neurological Disorders</b></p> <p><b>Co-chairs:</b></p> <p><b>Servio Ramirez, Ph. D.</b>, Associate Professor, Pathology and Laboratory Medicine, Lewis Katz School of Medicine, Temple University, PA, USA</p> <p><b>Andrea D. Raymond, Ph.D.</b>, Associate Professor, Herbert Wertheim School of Medicine, Florida International University, Miami, FL, USA</p> <p><b>Speakers</b></p> <p><b>1. Wenzhe Ho, MD, MPH.</b>, Professor, Department of Pathology and Laboratory Medicine, Lewis Katz School of Medicine, Temple University, Philadelphia, PA, USA</p> <p><b>Title:</b> Exosomes transport anti-viral factors from cervical epithelial cells to HIV-infected macrophages.</p> <p><b>2. Allison Andrews, PhD</b>, Assistant Professor, Pathology and Laboratory Medicine, Lewis Katz School of Medicine, Temple University, Philadelphia, PA, USA</p> <p><b>Title:</b> Sending an SOS: Message in Extracellular Vesicles</p> <p><b>3. Sowmya Yelamanchili, PhD</b>, Assistant Professor, Department of Anesthesiology, University of Nebraska Medical Center, Omaha, NE, USA</p> <p><b>Title:</b> Role of extracellular vesicles in HIV/drug abuse induced inflammation</p>

	<p><b>4. Andrea Raymond, Ph.D.</b>, Associate Professor, Herbert Wertheim School of Medicine, Florida International University, Miami, FL, USA  <b>Title:</b> Exosomal Extracellular Vesicles are potential indicators of HIV-Associated Neurocognitive Impairment Status</p> <p><b>5. Ilker Sariyer, Ph.D.</b>, Associate Professor, Department of Neuroscience, Temple University, Lewis Katz School of Medicine, Temple University, Philadelphia, PA, USA  <b>Title:</b> Molecular and cellular effects of morphine and Nef-EVs on alternative splicing of OPRM1</p>
10:00 am-10:30 am	<b>Coffee/Tea break/Networking</b>
10:30 am-12:00 pm	<p><b>Symposium 4: Drug Abuse, Alcohol and Medication</b>  <b>Co-Chairs:</b>  <b>Syed Ali, Ph.D.</b>, Little Rock, AR, USA  <b>Jean Noronha, Ph.D.</b>, Director, Division of Extramural Activities, National Institute of Mental Health/NIH, Bethesda, MD, USA</p> <p><b>Speakers</b></p> <p><b>1. Friedbert Weiss, Ph.D.</b> Professor and Principal Investigator, Department of Neuroscience, The Scripps Research Institute, La Jolla, CA, USA  <b>Title:</b> Effects of cannabidiol on cocaine seeking: dose-response profiles and neurobiological substrates.</p> <p><b>2. Zheng-Xiong Xi, Ph.D.</b> Chief, Addiction Biology Unit, NIDA/NIH, Baltimore, MD, USA  <b>Title:</b> Potential treatment of nicotine dependence and addiction by tetrahydrocannabivarin.</p> <p><b>3. Hwei-Hsien Chen, Ph.D.</b> Investigator, National Health Research Institute (NHRI), Taiwan  <b>Title:</b> Therapeutic use of ketamine in psychiatric disorders</p> <p><b>4. Ping Zhang, MD, Ph.D.</b> Professor and Watanakunakorn Chair, Integrative Medical Sciences, Northeast Ohio Medical University, Rootstown, OH, USA  <b>Title:</b> Signaling mechanisms underlying alcohol-mediated granulopoietic dysfunctions.</p>

	<p><b>5. Emmanuel Onaivi, Ph.D.</b> Professor, Department of Biology, WP University, Patterson, NJ, USA  <b>Title:</b> Marijuana: Potential treatment of neuropsychiatric disorders</p>
12:00 noon-1:30 pm	<p><b>Business meeting/lunch (Jean M. Bidlack, Ph.D.)</b></p>
1:30 pm-2.00 pm	<p><b>Adarsh Kumar Memorial Lecture</b>  <b>Introducer: Sabita Roy, Ph.D.</b>, Professor, Department of Surgery, University of Miami Health System, Miami, FL, USA (5 min)</p> <p><b>Speaker: Dr. Michal Toborek, M.D. Ph.D.</b>, Leonard M. Leonard M. Miller Professor and Vice-Chair for Research, Department of Biochemistry and Molecular Biology, Miler School of Medicine, University of Miami, USA. (25 min)  <b>Title:</b> Cerebrovascular pathology of HIV infection and drug abuse</p>
2:00 pm-2:30 pm	<p><b>US-Indo Plenary Lecture 2</b>  <b>Introducer: Pankaj Seth, Ph.D.</b> Professor, Molecular and Cellular Neuroscience, National Brain Research Centre, Manesar, Haryana, India (5 min)</p> <p><b>Speaker: Dr. Manjari Tripathi</b>, Professor, Department of Neurology, All India Institute of Medical Sciences, New Delhi, India (25 min)  <b>Title:</b> Autoimmune Epilepsies.</p>
2:30 pm-4:00 pm	<p><b>Symposium 5: Autophagy and Neuroinflammation: from Mechanism to Therapeutic Opportunities</b>  <b>Co-Chairs:</b>  <b>Shilpa Buch, Ph.D.</b>, Professor, Department of Pharmacology and Experimental Neuroscience, University of Nebraska medical Center, Omaha, NE, USA  <b>Nazira El-Hage, Ph. D.</b>, Associate Professor, Florida International University, Miami, Florida, USA</p> <p><b>Speakers</b></p>

	<p><b>1. Nazira El-Hage, Ph. D.,</b> Associate Professor, Department of Immunology and Nano-Medicine, Herbert Wertheim College of Medicine, Florida International University, Miami, Florida, USA  <b>Title:</b> Function of autophagy and the protein Beclin1 in the neuropathogenesis of opioid and HIV</p> <p><b>2. Mashkoor Choudhry, PhD.,</b> Professor, Department of Microbiology and Immunology, Loyola University, Chicago, IL, USA  <b>Title:</b> Gut immune and microbial changes in response to burn injury</p> <p><b>3. Shilpa Buch, Ph.D.,</b> Professor, Department of Pharmacology and Experimental Neuroscience, University of Nebraska medical Center, Omaha, NE, USA  <b>Title:</b> HIV and cocaine-mediated dysregulated mito/autophagy activates microglia and neuroinflammation</p> <p><b>4. Yuri Persidsky, MD, PhD</b> Professor and Chair, Department of Pathology and Laboratory Medicine, Lewis Katz School of Medicine, Temple University, Philadelphia, PA, USA  <b>Title:</b> Electronic cigarette exposure disrupts blood-brain barrier integrity and promotes Neuroinflammation</p>
4:00 pm- 4:30 pm	<b>Coffee/Tea break/Networking</b>
4.30 pm-6:00 pm	<p><b>Early Career Investigator Travel Awardees Symposium</b></p> <p><b>Co-Chairs:</b>  <b>Gurudutt Pendyala, Ph.D.,</b> Assistant Professor, University of Nebraska Med. Ctr., Omaha, NE, USA  <b>Cecilia Marcondes, Ph.D.,</b> Professor, San Diego Biomedical Research Institute, La Jolla, CA, USA</p> <p><b>Part I: Predoctoral Speakers:</b> (5 min presentations)</p> <p><b>1. FP Luongo,</b> Temple University (Kaminski Lab)  <b>Title:</b> Reversing metastatic potential of melanoma cells by CRISPER mediated knockout of the ALCAM gene</p>

**2. Y Abu**, University of Miami (Roy Lab)

Title: Effect of adolescent gut microbiota depletion on adult morphine reward

**3. S Yarandi**, Temple University (Sariyer Lab)

Title: NEF contributes to the development of HIV CNS dysfunction

**4. Abhishek Bose**, Indian Institute of Science Education and Research (Jaisari Lab)

Title: Molecular chaperone ERP29 regulates viral induced altered gap junction protein CONNEXIN43 mediated cell to cell communication

**5. V Kumar**, National Brain Research Center (Jana Lab)

Title: Role of simvastatin in restoration of behavioral deficits in angelman syndrome mouse model

**6. Neela Sampat**, Sultan Qaboos University (Samir Al-Adawi lab)

Title: Role of vitamin D in neuro-degeneration and neuro immunology

**Q & A session part I**

**Part II: Postdoctoral Speakers** (5 min presentations)

**1. TP Buzhdygan, Ph.D.**, Temple University (Ramirez lab)

Title: Synthetic cathinone mephedrone compromises blood brain barrier and promotes HIV-1 infection

**2. Sneham Tiwari, Ph.D.**, University of Nebraska (Pendyala and Yelamanchili Lab)

Title: Novel brain derived extracellular vesicles and inflammasome signatures associated with acute and chronic methamphetamine exposure: a systems biology approach

**3. R Bhagat, Ph.D.**, National Brain Research Center (Seth Lab)

Title: Characterization of neurotropic virus-induced acute flaccid paralysis and spinal motor neuron death

**4. Sunitha Konidela, Ph.D.**, University of Tennessee Health Science Center (Kumar Lab)

	<p>Title: Proteomic and cytokine profiling of plasma extracellular vesicles derived from HIV-infected alcohol drinkers and cigarette smokers</p> <p><b>5. Ernest Chivero, Ph.D.</b>, University of Nebraska Medical Center (Buch Lab)</p> <p>Title: Engineered extracellular vesicles loaded with mir-124 attenuate cocaine mediated activation of microglia</p> <p><b>Q &amp; A</b> session part II</p>
7:00 pm-10:00 pm	<p><b>Transition of Presidency, Banquet, and Awards Ceremony (Drs. Sulie L. Chang and Santosh Kumar)</b></p>
<p><b>Day 4</b></p>	
8:00 am-8:30 am	<p><b>Neurology and Therapeutics Plenary Lecture</b></p> <p><b>Introducer: Steven A. Masi</b>, Research Fellow, Institute of NeuroImmune Pharmacology, Seton Hall University, South Orange, NJ, USA (5 min)</p> <p><b>Speaker: Kalipada Pahan, Ph.D.</b> Professor of Neurological Sciences, Biochemistry and Pharmacology, Floyd A. Davis, M.D., Endowed Chair in Neurology, Rush University Medical Center, Research Career Scientist, Department of Veterans Affairs, Jesse Brown VA Medical Center, Chicago, IL, USA</p> <p><b>Title:</b> Novel Hippocampal Drugs for Alzheimer’s Disease (25 min)</p>
8:30 am-10:00 am	<p><b>Regional Symposium:</b></p> <p><b>Introduction: Pankaj Seth, Ph.D.</b></p> <p><b>Co-Chairs:</b></p>

**Professor Neeraj Jain, Ph.D**, Director, National Brain Research Centre, Manesar, Haryana, India

**Changan Xu, Ph.D.**, Third Institute of Oceanography, MNR, Xiamen, China, PR

**Speakers (15+3 min each)**

**1. Lim Lee Wei, Ph.D. , LKS Faculty of Medicine, School of Biomedical Sciences, Hong Kong Medical University, Hong Kong**

**Title:** Deep brain stimulation enhances mood and memory functions through hippocampal anti-neuroinflammatory and neurogenesis mechanisms in animal models.

**2. George Reiser, Ph.D. Institut für Inflammation und Neurodegeneration (Neurobiochemie) Medizinische Fakultät der Otto-von-Guericke Universität Magdeburg, Germany**

**Title:** Molecular mechanisms of neuroprotection: Focus on mitochondria and fatty acids.

**3. Musthafa Mohamed Essa, Ph.D.** Associate Professor, College of Agricultural and Marine Sciences, Sultan Qaboos University, Muscat, Oman

**Title:** Possible benefits of natural molecules on synaptic dysfunction and neuro-inflammation in Neurodegenerative disease models

**4. Walid M. Qoronfleh, Ph.D., MBA**, Director of Research and Policy, World Innovation Summit for Health, Education City, Doha, Qatar

**Title:** Neuroinflammation and Behavioral Changes in Autism-personalized Diet Intervention and Therapy for Autism Management

10:00 am-10:30 am	Coffee/Tea break/Networking
10:30 am-12:00 noon	<p><b>Symposium 6: Advances in neuropharmacological therapy in HIV-1 infection and drug abuse</b></p> <p><b>Co-chairs:</b> <b>Jun Zhu, MD., Ph.D.,</b> Professor, Department of Drug Discovery and Biomedical Sciences, College of Pharmacy, University of South Carolina, Columbia, SC, USA <b>Rafal Kaminski, Ph.D.,</b> Assistant Professor, Temple University, Neuroscience, Lewis Katz School of Medicine, Temple University, Philadelphia, PA, USA</p> <p><b>Speakers (7+2 min)</b></p> <p><b>1. Ibolya Edit Andras, MD,</b> Assistant Research Professor, Biochemistry and Molecular Biology, University of Miami School of Medicine, Miami, FL, USA <b>Title:</b> Extracellular Vesicle-Mediated Amyloid Transfer to Neural Progenitor Cells: Implications for Rage and HIV Infection.</p> <p><b>2. Jean M. Bidlack, Ph.D.,</b> Professor and Vice Chair, Department of Pharmacology and Physiology, University of Rochester, School of Medicine and Dentistry, Rochester, NY, USA. <b>Title:</b> Fibroblast Growth Factor 21 (FGF21) Attenuates Morphine Preference, Tolerance, and Dependence.</p> <p><b>3. Jun Zhu, MD., Ph.D.,</b> Professor, Department of Drug Discovery and Biomedical Sciences, College of Pharmacy, University of South Carolina, Columbia, SC, USA. <b>Title:</b> Novel Allosteric Modulatory Effects of SRI-32743 on HIV-1 Tat Protein-induced Inhibition of Human Dopamine Transporter and Potentiation of Cocaine Reward in HIV-1 Tat Transgenic Mice.</p> <p><b>4. Theodore J Cory, Pharm.D., Ph.D.,</b> College of Pharmacy, University of Tennessee Health Science Center, Memphis, TN 38016. <b>Title:</b> Multi-drug resistance associated protein 1 inhibition increases intracellular drug concentrations and suppresses HIV-1 viral replication in ethanol exposed activated macrophages.</p>



	<p><b>5. Jerel Adam Fields, Ph.D.,</b> Assistant Professor, Department of Psychiatry, University of California, San Diego, La Jolla, CA, USA.  <b>Title:</b> Transcriptomic Analysis of Brain Tissues Identifies A Role CCAAT Enhancer Binding Protein Beta in HIV-Associated Neurocognitive Disorders.</p> <p><b>6. Wei Jiang, MD &amp; MS,</b> Associate Professor, Microbiology and Immunology, Medical University of South Carolina, Charleston, SC, USA.  <b>Title:</b> Increased Plasma Levels of Lipopolysaccharide are Associated with Neuro-inflammation and Blood-Brain Barrier Permeability in HIV-1 Infection, But not with Lipopolysaccharide Detection in the Cerebrospinal Fluid.</p> <p><b>7. Xiangqian Liu, MD., Ph.D.,</b> Instructor, Department of Histology and Embryology, Huazhong University of Science and Technology, Tongji Medical College, Wuhan, China  <b>Title:</b> Puberty Involvement in Binge Exposure to Ethanol-Induced Differential Spleen Atrophy in Adolescent F344 Rats.</p> <p><b>8. Maria Cecilia Marcondes, Ph.D.,</b> Assistant Professor, Neuroimmunology Program, San Diego Biomedical Research Institute, San Diego, CA, USA  <b>Title:</b> HIV-1 Tat Protein Expression in Transgenic Mouse Brains Antagonizes the Impact of Methamphetamine Sensitization in Gene Expression.</p> <p><b>9. Shao-Jun Tang, Ph.D.,</b> Professor, Department of Neuroscience and Cell Biology, University of Texas Medical Branch, Galveston, TX, USA  <b>Title:</b> Opioids and HIV-1 Gp120 Cooperatively Promote Pathogenesis in the Spinal Pain Neural Circuit.</p>
12:00 pm -1:30 pm	<p><b>Roadway to independence and shielding the mid-career saturation: Panel discussion for junior and mid-career investigators</b>  <b>Moderator: Dr. Santosh Kumar</b></p>

	<b>Speakers: Jean M. Bidlack, Ph.D., Sanjay Maggirwar, Ph.D., Santhi Gorantla, Ph.D., Samander Kaushik, Ph.D., Manjunatha Venkataswamy, Ph.D. J. H. He, Ph.D., NIH colleagues, and others (will be invited later)</b> <b>Lunch</b>
1:30 pm-7:30 pm	Free time for delegates for heritage and cultural tour of the city, dinner etc.
<b>Day 5</b>	
<b>All day trip to India's one of the most visited destination – The Taj Mahal, Agra</b>	