
The 27th Society on NeuroImmune Pharmacology Conference

March 15-18, 2023

The Lalit Hotel, New Delhi, India

Agenda

Time/period	Events
Tuesday, March 14, 2023	
5:00 pm-6:30 pm	Council meeting: The Lalit Hotel
6:30 pm-9:00 pm	Council dinner: The Lalit Hotel
Wednesday, March 15, 2023	
8:00 am Departure from Hotel Lalit to National Brain Research Center (NBRC)	
9:15 am-9:30 am	Welcome address –Krishanu Ray, Ph.D., Director, National Brain Research Center, Manesar (Gurgaon), India Opening Remarks by Rajesh Gokhale, Ph.D., Secretary Department of Biotechnology, Govt. of India, New Delhi, India (Confirmation awaited)
9:30 am-11:30 am	Local Symposium: Neuroinflammation and Autophagy (PN Tandon Auditorium - In NBRC)

	<p>Introducer: Pankaj Seth, Ph.D., Professor and Scientist VII, National Brain Research Centre, Gurgaon, Haryana, India</p> <p>Co-Chairs: Anirban Basu, Ph.D., Professor, National Brain Research Centre (NBRC), Manesar, India Luay Rashan, Ph.D., Professor, Dhofar University, Salalah, Oman</p> <p>Speakers:</p> <p>1. Manjula Kalia, Ph.D., Regional Centre of Biotechnology, Faridabad, India Title: Pharmacological modulation of Autophagy as a potential therapeutic for Japanese encephalitis.</p> <p>2. Sunit Singh, Ph.D., Professor, Banaras Hindu University, Varanasi, India Title: Viruses: Hijackers of Host microRNAs.</p> <p>3. Jayasri Das Sarma, Ph.D., Professor, Indian Institute of Scientific Education and Research-Kolkata, India Title: ERp29 Regulates Murine β-coronavirus Infectivity and Replication by limiting EndoplasmicReticulum Stress and facilitating Connexin 43 trafficking to the cell surface</p> <p>4. Ellora Sen, Ph.D., Senior Scientist, National Brain Research Centre, Manesar, India Title: Moonlighting by IDH1 in glioma: Potential Therapeutic targets revealed</p> <p>5. Saravana Babu Chidambaram, PhD, JSS College of Pharmacy, Mysuru & Coordinator, Centre for Experimental Pharmacology & Toxicology, JSS Academy of Higher Education & Research, Mysuru, India Title: Effects of intermittent fasting on gut dysbiosis and post-stroke cognitive impairment</p> <p>6. Sourav Banerjee, Ph.D, Senior Scientist, National Brain Research Centre, Manesar, India Title: Trash or Treasure? Long non-coding RNAs in age-regulated memory deficits</p>
11:30 am-12:00 noon	Technical Talk (details to be announced)
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	<p>NIH Symposium: The Brain-immune Axis Portfolios at NIH, USA Chair: Huangui (Hank) Xiong, MD, Ph.D., Professor, Department of Pharmacology and Experimental Neuroscience, College of Medicine, University of Nebraska Medical Center, Omaha, NE, USA</p> <p>Speakers</p> <ol style="list-style-type: none"> 1. Roger Sorensen, Ph.D., Branch Chief, Integrative Neuroscience Branch, Division of Neuroscience and Behavior, National Institute on Drug Abuse, NIH, Bethesda, MD, USA 2. Mohammed Akbar, Ph.D., Program Director, National Institute on Alcohol Abuse and Alcoholism, NIH, Bethesda, MD, USA 3. Vasudev R Rao, Ph.D., Neuropathogenesis/Therapeutics/SBIR-STTR Programs, Division of AIDS Research, National Institute of Mental Health, NIH, Bethesda, MD, USA
3:30 pm-4:30 pm	Transfer from NBRC to The Lalit Hotel
4:30 pm-8:00 pm	Registration at the Lalit Hotel
4:30 pm-6:30 pm	<p>Poster session: Drs. Gurudutt Pendyala, Jun Zhu, and Pankaj Seth Both trainee and investigator posters will be presented at this time. Posters will remain up until Thursday evening.</p> <p>Reception: Finger snacks & drinks</p>
6:30 pm-7:30 pm	<p>Opening ceremony Immortal Classics of Bollywood Mrs. Asawari Maggirwar, MA, USA</p>
7:30 pm-9:00 pm	<p>Diversity and Inclusion SNIP Council (DISC) session:</p> <p>Dr. Sowmya Yelamanchili & Andrea Raymond</p>

Plenary Lecture

Introducer: Dr. Sowmya Yelamanchili, Ph.D., Associate Professor, Department of Anesthesiology, University of Nebraska Medical Center, Omaha, NE, USA

Speaker: Thirumala-Devi Kanneganti, Ph.D., Member, St. Jude Faculty, Vice-Chair, Immunology Department, Rose Marie Thomas Endowed Chair, St. Jude Children's Research Hospital, Memphis, TN, USA

Title: Molecular targets for the treatment of inflammatory diseases, infection, and cancer

DISC Early career Investigator (ECI) Travel Award Symposium

Speakers:

1. **Mickensone Andre**, Graduate Student, Florida International University, Miami, FL, USA
Title: Delta-9-tetrahydrocannabinol and HIV: Impact on glia-derived EVs and the Development of Magneto-Exosome Latency Targeting Nanotherapeutic (MELT)
2. **Oandy Naranjo**, Graduate Student, University of Miami, Miami, FL, USA
Title: Blood brain barrier pericytes and the molecular impact of latent vs active HIV infection
3. **Florida Owens**, Graduate Student, Florida International University, Miami, FL, USA
Title: The Role of Epigenetics in Mediating Maladaptive Neuronal Changes in HIV and Opioid Drug Abuse
4. **Nicole Emmitt**, Post-doctoral Fellow, University of Minnesota, Minneapolis, MN, USA
Title: Macrophage activation is associated with enhanced rewarding effects to morphine
5. **Lester Rosario-Rodríguez**, Post-doctoral Fellow, University of Puerto Rico, PR, USA
Title: Host factors associated with COVID-19 severity and neurological mechanisms in a Hispanic population
6. **Silvana Valdebenito**, Post-doctoral Fellow, The University of Texas Medical Branch, Galveston, TX, USA
Title: Role of tunneling nanotubes-like structures during the early events of HIV infection and viral reactivation

Question and Answer session

9:00-10:00 PM	Buffet Dinner
Thursday, March 16, 2023	
8:00 am-8:15 am	Inauguration/welcome by the President: Santosh Kumar, Ph.D. , Professor, Pharmaceutical Sciences and Pharmacology, Addiction Science, and Toxicology, Assistant Dean, Scholarly Integration and Collaboration, College of Pharmacy, The University of Tennessee Health Science Center, Memphis, TN, USA
8:15 am-8:45 am	Conference Plenary Lecture: Speaker: Santosh Kumar, Ph.D. , Professor, Pharmaceutical Sciences and Pharmacology, Addiction Science, and Toxicology, Assistant Dean, College of Pharmacy, The University of Tennessee Health Science Center, Memphis, TN, USA Title: Past, Present, and the Future of SNIP
8:45 am-9:15 am	President Plenary Lecture Speaker: Sulie L. Chang, Ph.D. , Director, Institute of NeuroImmune Pharmacology and Professor, Department of Biological Sciences, Seton Hall University, South Orange, NJ, USA Title: Integration of <i>in silico</i> , <i>in vitro</i> , and <i>in vivo</i> studies in biomedical sciences
9:15 am-10:45 am	President Symposium: Neuroimmune Signaling in Health and Alcohol Use Disorders Introducer: Sulie L. Chang, Ph.D. , Director, NeuroImmune Pharmacology, Professor, Department of Biological Sciences, Seton Hall University, South Orange, NJ, USA Co-Chairs: Sulie L. Chang, Ph.D. , Director, NeuroImmune Pharmacology, Professor, Department of Biological Sciences, Seton Hall University, South Orange, NJ, USA Santosh Kumar, Ph.D. , Professor, Pharmaceutical Sciences and Pharmacology, Addiction Science, and Toxicology, Assistant Dean, College of Pharmacy, The University of Tennessee Health Science Center, Memphis, TN, USA

	<p>Speakers:</p> <p>1. Fulton T. Crews, Ph.D., 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 Title: Adolescent alcohol increases brain neuroimmune signaling across microglia and neurons altering adult cellular and behavioral phenotypes</p> <p>2. Dipak Sarkar, Ph.D. D.Phil., Board of Governors and Distinguished Professor, Department of Animal Sciences, Director, Endocrinology Program, School of Environmental & Biological Sciences, The State University of New Jersey, New Brunswick, NJ, USA Title: Complement Systems Participate in Exosomes Mediated Neurotoxicity</p> <p>3. Adolf Pfefferbaum, M.D., 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 Title: HIV Infection and the Aging Brain: Contributions from Comorbidities, Nutrition, and Peripheral Systems</p> <p>4. Subhash C Pandey, Ph.D., Professor, Department of Psychiatry, Director, Alcohol Research Center, Senior Research Career Scientist, University of Illinois at Chicago & Jesse Brown VA Medical Center, Chicago, IL, USA Title: Emerging Epigenetic Mechanisms Underlying Alcohol Use Disorders</p>
10:45 am-11:15 am	Coffee/Tea break/Networking
11:15 am-12:45 pm	Symposium 1: Theranostics

	<p>Chair: Howard Gendelman, M.D., Professor and Chair, Department of Pharmacology, University of Nebraska Medical Center, Omaha, NE, USA</p> <p>Speakers:</p> <p>1. Xiaoyuan Chen, Ph.D., Senior Investigator, Laboratory of Molecular Imaging and Nanomedicine, National Institute of Biomedical Imaging and Bioengineering, National Institutes of Health, Bethesda, MD, USA Title: Nanovaccine as Cancer Immunotheranostics</p> <p>2. Howard Gendelman, M.D., HIV/AIDS. Professor and Chair, Department of Pharmacology and Experimental Neuroscience, University of Nebraska Medical Center, Omaha, NE, USA Title: Theranostics for Alzheimer’s and Parkinson’s diseases</p> <p>3. Prasanta Kumar Dash, Ph.D., Assistant Professor, Department of Pharmacology and Experimental Neuroscience, University of Nebraska Medical Center, Omaha, NE, USA Title: Detection and Amplification of Replication Competent HIV-1 by Adoptive Transfer of Human Cells from Art Suppressed Infected Humanized Mice.</p> <p>4. Benson Edagawa, Ph.D., Associate Professor, Department of Pharmacology and Experimental Neuroscience, University of Nebraska Medical Center, Omaha, NE, USA Title: Ultra long-acting antivirals from bench to the patient bedside</p>
12:45 pm-2:00 pm	<p>Meet-the-Mentor (MTM) lunch:</p> <p>Co-Chair:</p> <p>Gurudutt Pendyala, Ph.D., Robert Lieberman Professor of Anesthesiology, Department of Anesthesiology, University of Nebraska Medical Center, Omaha, NE, USA</p> <p>Yisel Cantres-Rosario, Ph.D., Assistant Professor, School of Medicine, Univ. of Puerto Rico, Medical Sciences Campus, San Juan, PR, USA</p>
12:45 pm-2:00 pm	<p>Council meeting</p>

2:00 pm-2:30 pm	<p>Bill Narayan Memorial Lecture Introducer: Sanjay Maggirwar, Ph.D., Professor and Chair, GW Department of Microbiology, Immunology, and Tropical Medicine, The George Washington University, Washington, DC, USA</p> <p>Speaker: Rosemarie Booze, Ph.D., Professor and Bicentennial Endowed Chair of Behavioral Neuroscience, Department of Psychology, University of South Carolina, Columbia, SC</p> <p>Title: HIV-1 Associated Neurocognitive Disorders (HAND) Following Chronic Microglial Infection and Viral Protein Production</p>
2.30 pm-3:00 pm	<p>Addiction Medication Plenary Lecture Introducer: Syed Ali, Ph.D., Little Rock, AR, USA</p> <p>Speaker: Barbara Mason, Ph.D., Pearson Family Professor, Department of Neuroscience, Director, Pearson Center on Alcoholism and Addiction Research, Scripps Research, La Jolla, CA, USA</p> <p>Title: Alcohol Use Disorders and Potential Treatment</p>
3:00 pm-3:30 pm	<p>Coffee/Tea break/Networking</p>
3:30 pm-4:00 pm	<p>US-Indo Plenary Lecture 1 Introducer: Michelle L. Mack, M.S., Institute of NeuroImmune Pharmacology, Seton Hall University, South Orange, NJ, USA</p> <p>Speaker: Rajita Sinha, Ph.D., 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, New Haven, CT, USA</p> <p>Title: Alcohol and Stress-Immune Axis: Impact on Alcohol Relapse and Pharmacotherapy Outcomes</p>
4:00 pm-5:15 pm	<p>Symposium 2: Substance Abuse, HIV Infection and Associated Disorders Co-Chairs: Navneet Dhillon, Ph.D., Professor, Pulmonary and Critical Care Medicine, University of Kansas Medical Center, Kansas City, KS, USA</p>

	<p>Siddappa Byrareddy Ph.D., Professor & Vice Chair of Research, Department of Pharmacology and Experimental Neuroscience, University of Nebraska Medical Center, Omaha, NE, USA Title: Drugs of Abuse and SIV Reservoirs</p> <p>Speakers</p> <p>1. Navneet Dhillon, Ph.D., Professor, Pulmonary and Critical Care Medicine, University of Kansas Medical Center, Kansas City, KS, USA Title: Substance Abuse and HIV Associated Pulmonary Vascular Disease</p> <p>2. Debashis Dutta, Ph.D., Instructor, Department of Pharmacology and experimental Neuroscience, University of Nebraska Medical Center, Omaha, NE, USA Title: Methamphetamine potentiation of SARS-CoV-2 N-protein-induced neuroinflammation via NLRP3 inflammasome activation in rat microglia</p> <p>3. Siddappa Byrareddy Ph.D., Associate Professor, Department of Pharmacology and Experimental Neuroscience, University of Nebraska Medical Center, Omaha, NE, USA Title: Drugs of Abuse and SIV Reservoirs</p>
5:15 pm-5:45 pm	Coffee/Tea break/Networking
5:45 pm-6:45 pm	<p>Microbiome Workshop: The microbiota modulation of the neuronal-immune system. Chair and Preface: Sabita Roy, Ph.D., Professor, Department of Surgery, University of Miami Health System, Miami, FL, USA</p> <p>Speakers:</p> <p>1. Shirish S. Barve, Ph.D., Professor, Department of Medicine and Pharmacology and Toxicology, University of Louisville, Louisville, KY, USA Title: Fecal microbiome transplant from alcoholic hepatitis (AH) patients induces inflammatory changes in gut-brain-immune axis in mice</p>

	<p>2. Dr. Umakant Sharma, Ph.D., Assistant Professor, Department of Surgery, University of Miami Health System, Miami, FL, USA</p> <p>Title: Prescription opioid induces changes in intestinal microbiome and worsens Inflammatory Bowel Disease</p>
7:00 pm-9:00 pm	Continental buffet dinner
7:00 pm-9:00 pm	The NIPT Editorial Board Dinner Meeting (by invitation only)

Friday, March 17, 2023

8:00 am-8:30 am	<p>Nanotechnology Plenary Lecture</p> <p>Introducer: Dr. Santosh Kumar, Ph.D., Professor, Department of Pharmaceutical Sciences, College of Pharmacy, University of Tennessee Health Science Center, Memphis, TN, USA</p> <p>Speaker: Dr. Madhavan Nair, Ph.D., C.N.S., F.A.C.N., F.A.A.A.I., Fellow of National Academy of Inventors, 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>Title: Getting into the Brain: Role of Nanotechnology in Drug Abuse Research</p>
8:30 am-10:15 am	<p>Symposium 3: Extracellular Vesicles in Substance Abuse and Neurological Disorders</p> <p>Co-chairs:</p> <p>Andrea D. Raymond, Ph.D., Associate Professor, Herbert Wertheim School of Medicine, Florida International University, Miami, FL, USA</p> <p>Ilker Sariyer, Ph.D., Associate Professor, Department of Neuroscience, Temple University, Lewis Katz School of Medicine, Temple University, Philadelphia, PA, USA</p> <p>Speakers:</p>

	<p>1. Wenzhe Ho, MD, MPH., Professor, Department of Pathology and Laboratory Medicine, Lewis Katz School of Medicine, Temple University, Philadelphia, PA, USA Title: Exosomes transport anti-viral factors from cervical epithelial cells to HIV-infected macrophages</p> <p>2. Jonathan Hale, Ph.D., Assistant Scientist, Pathology and Laboratory Medicine, Lewis Katz School of Medicine, Temple University, Philadelphia, PA, USA Title: Brain endothelial cell (EC) microvesicle release during HIV infection</p> <p>3. Sowmya Yelamanchili, Ph.D., Assistant Professor, Department of Anesthesiology, University of Nebraska Medical Center, Omaha, NE, USA Title: Role of extracellular vesicles in HIV/drug abuse induced inflammation</p> <p>4. Ilker Sariyer, Ph.D., Associate Professor, Department of Neuroscience, Temple University, Lewis Katz School of Medicine, Temple University, Philadelphia, PA, USA Title: Molecular and cellular effects of morphine and Nef-EVs on alternative splicing of OPRM1</p> <p>5. Andrea Raymond, Ph.D., Associate Professor, Herbert Wertheim School of Medicine, Florida International University, Miami, FL, USA Title: Exosomal Extracellular Vesicles are potential indicators of HIV-Associated Neurocognitive Impairment Status</p> <p>6. Susmita Sil, Ph.D., Assistant Professor, Pharmacology & Experimental Neuroscience, University of Nebraska Medical Center, Omaha, NE, USA Title: Neuropathogenic role of astrocyte-derived extracellular vesicles in HIV associated neurocognitive disorders</p>
10:15 am-10:30 am	Coffee/Tea break/Networking
10:30 am-12:00 pm	Symposium 4: Drug Abuse, Alcohol and Medication Co-Chairs:

	<p>Syed Ali, Ph.D., Senior Research Scientist, Center for Integrative Nanotechnology Sciences, University of Arkansas at Little Rock, President & CEO, NeuroLab International, PLLC, Little Rock, AR, USA Mohammed Akbar, Ph.D., Program Director, National Institute on Alcohol Abuse and Alcoholism/ NIH, Bethesda, MD, USA</p> <p>Speakers:</p> <p>1. Friedbert Weiss, Ph.D., Professor and Principal Investigator, Department of Neuroscience, The Scripps Research Institute, La Jolla, CA, USA Title: Effects of cannabidiol on cocaine seeking: dose-response profiles and neurobiological substrates</p> <p>2. Hwei-Hsien Chen, Ph.D., Investigator, National Health Research Institute (NHRI), Taiwan Title: Therapeutic use of ketamine in psychiatric disorders</p> <p>3. Emmanuel Onaivi, Ph.D., Professor, Department of Biology, WP University, Patterson, NJ, USA Title: Marijuana: Potential treatment of neuropsychiatric disorders</p> <p>4. Anna Bukiya, Ph.D., Professor, Department of Pharmacology, Addiction Science and Toxicology, The University of Tennessee Health Science Center, Memphis, TN, USA Title: Sexual dimorphism in the effect of commonly used anesthetics on the vasoactive properties of alcohol and tetrahydrocannabinol in the brain</p>
12:00 noon-1:30 pm	Business meeting/lunch
1:30 pm-2.00 pm	<p>Adarsh Kumar Memorial Lecture Introducer: Oandy Naranjo, Graduate Student, University of Miami, Miami, FL, USA</p> <p>Speaker: Dr. Michal Toborek, MD, Ph.D., Leonard M. Miller Professor and Vice-Chair for Research, Department of Biochemistry and Molecular Biology, Miller School of Medicine, University of Miami, FL, USA Title: Cerebrovascular pathology of HIV infection and drug abuse</p>

<p>2:00 pm-2:30 pm</p>	<p>US-Indo Plenary Lecture 2 Introducer: Pankaj Seth, Ph.D., Professor, Molecular and Cellular Neuroscience, National Brain Research Centre, Manesar, Haryana, India</p> <p>Speaker: Dr. Manjari Tripathi, Ph.D., Professor, Department of Neurology, All India Institute of Medical Sciences, New Delhi, India Title: Autoimmune Epilepsies</p>
<p>2:30 pm-4:00 pm</p>	<p>Symposium 5: Autophagy and Neuroinflammation: from Mechanism to Therapeutic Opportunities Co-Chairs: Nazira El-Hage, Ph.D., Associate Professor, Florida International University, Miami, FL, USA Shilpa Buch, Ph.D., Professor, Department of Pharmacology and Experimental Neuroscience, University of Nebraska medical Center, Omaha, NE, USA</p> <p>Speakers:</p> <p>1. Nazira El-Hage, Ph.D., Associate Professor, Department of Immunology and Nano-Medicine, Herbert Wertheim College of Medicine, Florida International University, Miami, FL, USA Title: Function of autophagy and the protein Beclin1 in the neuropathogenesis of opioid and HIV</p> <p>2. Mashkoor Choudhry, Ph.D., Professor, Department of Microbiology and Immunology, Loyola University, Chicago, IL, USA Title: Gut immune and microbial changes in response to burn injury</p> <p>3. Shilpa Buch, Ph.D., Professor, Department of Pharmacology and Experimental Neuroscience, University of Nebraska medical Center, Omaha, NE, USA Title: Cocaine-mediated microglial activation involves dysregulated auto/mitophagy</p> <p>4. Yuri Persidsky, MD, Ph.D., Professor and Chair, Department of Pathology and Laboratory Medicine, Lewis Katz School of Medicine, Temple University, Philadelphia, PA, USA</p>

	<p>Title: Brain and lung injury caused by alcohol and electronic cigarettes: mechanisms of deleterious effects on blood brain and alveolar-endothelial barriers</p> <p>5. Palsamy Periyasamy Ph.D., Assistant Professor, Department of Pharmacology and Experimental Neuroscience, University of Nebraska, Omaha, Nebraska, USA</p> <p>Title: HIV-1 Tat and morphine-mediated astrocytes involves epigenetic modifications of the NLRP6 inflammasome</p>
4:00 pm- 4:30 pm	<p>Coffee/Tea break/Networking</p>
4.30 pm-6:00 pm	<p>Early Career Investigator Travel Awardees Symposium</p> <p>Introducer: Sulie L. Chang, Ph.D.</p> <p>Keynote speaker: Gurudutt Pendyala, Ph.D., Robert Lieberman Professor of Anesthesiology, Department of Anesthesiology, University of Nebraska Medical Center, Omaha, NE, USA</p> <p>Title: TBA</p> <p>Co-Chairs:</p> <p>Gurudutt Pendyala, Ph.D., Robert Lieberman Professor of Anesthesiology, Department of Anesthesiology, University of Nebraska Medical Center, Omaha, NE, USA</p> <p>Natalie May Zahr, Ph.D., Assistant Professor, Department of Psychiatry and Behavioral Sciences Stanford University School of Medicine, Stanford, CA, USA</p> <p>Speakers:</p> <ol style="list-style-type: none"> 1. Brita Ostermeier, Graduate Student, The George Washington University, Washington, DC, USA Title: ECO-HIV infected CHME5 as a novel in vitro model for HIV infection and latency in microglia 2. Sandip Godse, Graduate Student, The University of Tennessee Health Science Center, Memphis, TN, USA Title: Development of drug delivery system with antiretroviral and nutraceutical to suppress HIV in brain reservoirs

3. **Mason Rodriguez**, Graduate Student, University of Southern Carolina, Columbia, SC, USA
Title: HIV associated dysbiosis influences self-administration of cocaine in HIV-1 transgenic rats
4. **Sarah Davis**, Graduate Student, University of Southern Carolina, Columbia, SC, USA
Title: In vivo HIV-1 Tat protein expression alters synaptic dopamine release in a region-specific manner in inducible Tat transgenic mice using fast scan cyclic voltammetry
5. **Bibek Naik**, Graduate student, Meharry Medical College, Nashville, TN, USA
Title: HIV-1 Integrase Inhibitor associated pathways involved in neuropsychiatric disorders
6. **Trent Bullock**, Graduate Student, Temple University, Philadelphia, PA, USA
Title: Characterizing the response of hCMEC/D3 Cells to the synthetic cannabinoid 2 receptor agonist, PM289
7. **Michelle Mack**, Graduate Student, Seton Hall University, South Orange, NJ, USA
Title: Involvement of TRPM7 in alcohol-induced damage of the blood-brain-barrier in the presence of HIV viral proteins
8. **Madhav Sharma**, Graduate Student, Indian Institute of Science Education and Research, Kolkata, India
Title: IFIT2 restricts murine beta coronavirus induced spinal cord pathology
9. **Bindu**, Graduate Student, National Brain Research Centre, Gurgaon, India
Title: The interplay between zika virus-induced autophagy and neural stem cell fate determination
10. **Seema Singh**, Post-doctoral Fellow, University of Nebraska Medical Center, Omaha, NE, USA
Title: Involvement of LNCRNA XIST/miRNA-124/CCL2 axis in HIV-1 Tat-mediated microglial activation and neuroinflammation

7:00 pm-10:00 pm

Transition of Presidency, Banquet, and Awards Ceremony (Drs. Sulie L. Chang, Santosh Kumar, Rosemarie Booze, and Gurudutt Pendyala)

Saturday, March 18, 2023

8:00 am-8:30 am

Neurology and Therapeutics Plenary Lecture

Introducer: Mohammed Bishir, MS, Institute of NeuroImmune Pharmacology, Seton Hall University, South Orange, NJ, USA

Speaker: Kalipada Pahan, Ph.D., Professor of Neurological Sciences, Biochemistry and Pharmacology, Floyd A. Davis, MD, Endowed Chair in Neurology, Rush University Medical Center, Research Career Scientist, Department of Veterans Affairs, Jesse Brown VA Medical Center, Chicago, IL, USA

Title: Novel Hippocampal Drugs for Alzheimer's Disease

8:30:00 am-11:00

Symposium 6: General Symposium

Co-chairs:

Jun Zhu, MD, Ph.D., Professor, Department of Drug Discovery and Biomedical Sciences, College of Pharmacy, University of South Carolina, Columbia, SC, USA

Loyda Melendez, Ph.D. Department of Microbiology and Zoology, University of Puerto Rico-School of Medicine, San Juan, PR, USA

Keynote speaker:

Sanjay Maggirwar, Ph.D., Professor and Chair, Department of Microbiology, Immunology, and Tropical Medicine, School of Medicine and Health Sciences, The George Washington University, Washington, District of Columbia, USA

Title: TBA

Speakers:

1. Olivia Osborne, B.S., Graduate student, Biochemistry and Molecular Biology, University of Miami School of Medicine, Miami, FL, USA

Title: "Extracellular vesicle-mediated amyloid transfer and intercellular communication within the neurovascular unit"

2. Jun Zhu, MD, Ph.D., Professor, Department of Drug Discovery and Biomedical Sciences, College of Pharmacy, University of South Carolina, Columbia, SC, USA

Title: Genetic validation of drug targets: HIV-1 tat protein-induced inhibition of [3h] dopamine uptake in the prefrontal cortex of inducible tat transgenic mice is attenuated in dopamine transporter Y88F knock-in mice harbored within the tat transgenic mice

3. Theodore J Cory, Pharm.D., Ph.D., Assistant Professor, College of Pharmacy, University of Tennessee Health Science Center, Memphis, TN, USA

Title: Effects of azithromycin on expression and function of drug efflux transporters in cellular reservoirs

4. Shamsudheen Moidunny, Ph.D. Research Assistant Professor, Department of Surgery - Oncology Molecular Therapeutics, University of Miami School of Medicine, Miami, FL, USA

Title: Glycogen synthase kinase 3: a promising therapeutic target in neuroHIV and HAND

5. Udai Singh, Ph.D., Associate Professor, Department of Pharmaceutical Sciences University of Tennessee Health Science Center, Memphis, TN, USA

Title: Urinary bladder microRNAs mediate pain and reduce the severity of experimental cystitis

6. Yisel Cantres-Rosario, Ph.D., Assistant Professor, School of Medicine, Univ. of Puerto Rico, Medical Sciences Campus, San Juan, PR, USA

Title: Disrupted interferon type I signalling in plasma, monocytes and human brain organoids from people living with HIV with cognitive impairment

7. Aditya Bade, Ph.D., Assistant Professor, Department of Pharmacology and Experimental Neuroscience, University of Nebraska Medical Center, Omaha, NE, USA

Title: Long-acting nanoformulations prevent dolutegravir induced oxidative stress in embryo brain

8. Bhupesh Singla, Ph.D., Assistant Professor, Department of Pharmaceutical Sciences, The University of Tennessee Health Science Center, Memphis, TN, USA

	<p>Title: CD47 deletion in lymphatic endothelium augments arterial lymphangiogenesis and attenuates atherosclerosis</p> <p>9. Amal Amer, MD, Ph.D., Professor, Department of Microbial Infection and Immunity and Infectious Disease Institute, Ohio State University, Columbus, OH, USA</p> <p>Title: The role of the non-canonical inflammasome in neuroinflammation</p>
11:00 pm -12:00	<p>Roadway to independence and shielding the mid-career saturation: Panel discussion for junior and mid-career investigators</p> <p>Moderator: Santosh Kumar, Ph.D.</p> <p>Speakers: Sanjay Maggirwar, Ph.D., Samander Kaushik, Ph.D., Manjunatha Venkataswamy, Ph.D., NIH colleagues, and others</p> <p>Lunch</p>
12:00 pm-7:30 pm	<p>Free time for delegates for heritage and cultural tour of the city, dinner etc.</p>
7:30pm-9:30 pm	<p>Dinner (by invitation)</p>
<p>Sunday, March 19, 2023</p>	
<p>All day trip to India's one of the most visited destinations – The Taj Mahal, Agra</p>	