



Fall 2023

SNIP

A newsletter of the Society on NeuroImmune Pharmacology

Introduction

by Ilker K. Sariyer, D.V.M., Ph.D.

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Society's newsletter is the official publication of SNIP which reports the activities of the Society, including recent and upcoming meetings and news and announcements of interest to the majority of the SNIP members. In this issue, we report the 2023 Delhi, India meeting summary, ECI and DISC travel awardees, our official SNIP journal NIPT, and announcement of 2023 SNIP meeting. I want to express my special thanks to the members of the Communication Committee for their contributions in the preparation of the newsletter. We would like to also express our special thanks to everyone who attended and were involved in organization of the historical SNIP conference in Delhi, India.

President's Message

Rosemarie Booze, Ph.D., SNIP President

I am honored to be the President of SNIP. I have been attending the annual meetings since the beginning of my career. At my first SNIP meeting, I was amazed to be introduced to--and befriended by--pioneers in the field. Nobody felt too important to talk to me as a trainee/junior faculty member. In time, the interpersonal interactions extended beyond science. I am proud that people I met through SNIP I can now call my friends. That culture continues today, and in my opinion, it is the primary reason to be an SNIP member and attend the annual meeting. The 2023 meeting in New Delhi was a fantastic success, and I look forward to continuing this welcoming atmosphere with top-notch science at SNIP 2024 in Charleston SC.

More than anything that SNIP can provide our field, we can be THE society that nourishes, mentors, and supports the next generation of biomedical scientists in our field. This is already our culture, it is part of our mission, and it is something that we have done well. In fact, efforts to bolster career development as well as diversity and inclusion were incorporated into the fabric of our society at an early stage. We will continue to program career development sessions at our meetings, increase the role of trainees in the annual meeting, and seek to increase the number of trainee travel and meritorious awards. SNIP embraces all aspects of diversity and actively seeks to bring more people from traditionally underrepresented backgrounds into the field of Neuroimmune pharmacology.

SNIP has been a family, a source of mentoring, and a platform for scientific exchange for all its members. To further our science, we now have our very own official peer-reviewed scientific journal to support the field – NeuroImmune Pharmacology and Therapeutics! I know that at SNIP, we are all passionate about the science, we are all dedicated to helping each other advance, and we are all willing to work hard for our dreams.

The future of the SNIP is bright, and I look forward to serving you all.

Communications committee

Ilker K Sariyer (Chair)
Shanti Gorantla
Andrea Raymond
Rafal Kaminski
Syed Ali

2023 SNIP Delhi Meeting Summary

by *Sulie L. Chang, Ph.D.*

2023 SNIP: the third international conference in New Delhi, India



I would like to highlight the New Delhi SNIP meeting:

- The New Delhi SNIP began a new tradition that that the SNIP Presidents deliver the Conference Plenary Lecture and President Plenary Lecture, respectively. Dr. Santosh Kumar agreed and was the very first SNIP President to deliver its plenary lecture entitled “The Past, Present, and Future of the Society on NeuroImmune Pharmacology”. To supplement Dr. Kumar’s conference lecture, I took my responsibility to provide the President lecture entitled “Integration of *in silico*, *in vitro*, and *in vivo* studies in biomedical sciences”.
- The other new tradition at SNIP began at the New Delhi meeting was its topic plenary lectures. We have six topic plenary lectures representing various SNIP research focuses. The speakers include the SNIP members as well as the speakers being invited from outside the Society.



- The uniqueness of the New Delhi SNIP conference is its integration of culture, art and sciences was amazing to behold. We had an Indian Classical Kathak Dance that was performed by the disciples of Pt. Kishan Maharaj, New Delhi, India, followed by musical performance, ‘Immortal Classics of Bollywood’, by Mrs. Asawari (Anna) Maggirwar, USA. The delegates have cherished the beauty of the classic Indian music and dance for years to come. The magnificent cultural and artistic highlight at the 27th conference.



- As the SNIP President in 2022-2023, Dr. Kumar, was logistically creative to appoint me, the Past President, as “The Acting President of the 2023 SNIP Conference in New Delhi, India” which allowed me to host the meeting I was supposed to host in 2020. I appreciate Dr. Kumar’s administrative wisdom for this appointment. I also like this unique title because no one would possibly have a chance to have a similar title. Thus, I have decided to keep this title as a part of my email signatures.

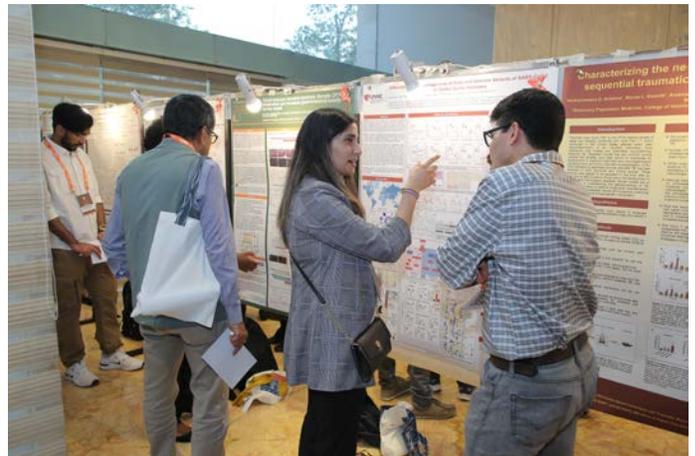
2023 SNIP Delhi Meeting Summary

by *Sulie L. Chang, Ph.D.*

- The SNIP meeting in 2023 was the first time SNIP took its opportunity to co-organize its conference with the internationally renowned National Brain Research Centre (NBRC) at Manesar (Gurgaon), India. I would like to invite all SNIP members to thank Dr. Pankaj Seth, the local organizer, for his engagement and hard work from 2018 to 2023. Without Dr. Seth, the wonderful success of the 2023 SNIP meeting would not be possible!



- The meeting of SNIP is in part supported by Seton Hall University (SHU), Institute of NeuroImmune Pharmacology, Florida International University, Department of Immunology and Institute of NeuroImmune Pharmacology, University of Nebraska Health Science Center, USA, and National Brain Research Institute, India. The budget from SHU was allocated in 2019 while we decided to hold the 3rd SNIP international conference in India and SHU administrator held this budget during the long CPVID-19 pandemic. I am grateful to SHU and also, I am proud of SHU for honoring their commitment to SNIP.



- It is not always easy to have NIH official to attend an international conference. I am grateful to the three NIH Official being with us: Drs. Roger Sorensen, Mohammed Akbar, and Vasudev R Rao, In addition we thank NIH for their continuous support to our society since early 90's. The meeting, in part, was supported by the National Institute on Drug Abuse and the National Institute on Alcohol Abuse, and Alcoholism (DA047178 to S Kumar and DA046258 and AA29925 to SL Chang) and Merck (India)

2023 SNIP Delhi Meeting Summary

by *Sulie L. Chang, Ph.D.*

Overall, the 27th SNIP annual meeting was a full-fledged first in-person post-pandemic meeting. The meeting also highlighted a variety of activities that included a pre-conference session via a collaboration with an international renown research institute, Nation Brain Research Centre in India, many scientific sessions (ten symposia, a workshop and four plenary lectures), two special talks, poster session, oral talks, mentoring session for early career investigator (ECI), a DISC session, a panel discussion session, the business meeting including the transition of presidency in line with our by-law, and an award session. Last but not least, as the third international conference, the 2023 SNIP conference successfully presented India's amazing diversity, colorful cultural richness, and incredible hospitality via the beautiful performances of classic music and dancing. It also provided various networking and social events during and after the conference in New Delhi. See below link for the detailed program agenda and abstracts of oral talks and posters.

The 27th Scientific Conference of the Society on NeuroImmune Pharmacology: New Delhi, India, March 15–18, 2023.

<https://www.degruyter.com/document/doi/10.1515/nipt-2023-0006/html?lang=en>

SNIP conference flyer

https://s-nip.org/documents/2023/SNIP_2023_Flyer.pdf

<https://s-nip.org/conferences/last>



2023 SNIP Meeting ECI and DISC travel awards

The Early Career Investigator Travel Award (ECITA) committee at every annual SNIP meetings has been providing ideal platform for junior investigators to access information, gain insight and perspective from their peers as well as identify helpful resources for advancing their careers. To help meet these goals, ECITA has a long-standing tradition to support these “rising stars” by offering travel awards that waive their registration and/or travel including disseminating their research as part of the young investigator forum.



ECITA					
Awardee	Status	Talk	Mentor	Institution	Title
Brita Ostermeier	GS	Y	S. Maggirwar	GWU	ECO HIV INFECTED CHME5 AS A NOVEL IN VITRO MODEL FOR HIV INFECTION AND LATENCY IN MICROGLIA.
Sandip Godse	GS	Y	S. Kumar	UTHSC	DEVELOPMENT OF DRUG DELIVERY SYSTEM WITH ANTIRETROVIRAL AND NUTRACEUTICAL TO SUPPRESS HIV IN BRAIN RESERVOIRS.
Seema Singh	PDF	Y	Buch/Periyasamy	UNMC	INVOLVEMENT OF LNCRNA XIST/MIRNA-124/CCL2 AXIS IN HIV-1 TAT-MEDIATED MICROGLIAL ACTIVATION AND NEUROINFLAMMATION
Mason Rodriguez	GS	Y	R. Booze	USC	HIV ASSOCIATED DYSBIOSIS INFLUENCES SELF-ADMINISTRATION OF COCAINE IN HIV-1 TRANSGENIC RATS
Sarah Davis	GS	Y	J. Zhu	USC	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
Bibek Naik	GS	Y	CV.Dash	MMC	HIV-1 Integrase Inhibitor associated pathways involved in neuropsychiatric disorders
Trent Bullock	GS	Y	S. Ramirez	Temple	Characterizing the response of hCMEC/D3 Cells to the synthetic Cannabinoid 2 Receptor Agonist, PM289
Michelle Mack	GS	Y	S.Chang	SHU	INVOLVEMENT OF TRPM7 IN ALCOHOL-INDUCED DAMAGE OF THE BLOOD-BRAIN BARRIER IN THE PRESENCE OF HIV VIRAL PROTEINS
Madhav Sharma	GS	Y	J. Das	IISER-Kolkata	Ifit2 restricts murine beta coronavirus induced spinal cord pathology
Bindu	GS	Y	P.Seth	NBRC	Zika virus induced autophagy alters neural stem cell fate determination

DISC ECITA					
Awardee	Status	Talk	Mentor	Institution	Title
Mickensone Andre	GS	Y	A. Reymond	FIU	Delta-9-tetrahydrocannabinol and HIV: Impact on glia-derived EVs and the Development of Magneto-Exosome Latency Targeting Nanotherapeutic(MELT)
Nicole Emmitt	PDF	Y	M.Cheeran	U Minnesota	MACROPHAGE ACTIVATION IS ASSOCIATED WITH ENHANCED REWARDING EFFECTS TO MORPHINE
Danielle Antoine	GS	Y	S. Roy	MUSC	NEONATAL MORPHINE RESULTS IN LONG-LASTING ALTERATIONS TO THE GUT MICROBIOME IN ADOLESCENCE AND ADULTHOOD IN A MURINE MODEL.
Oandy Naranjo	GS	Y	M.Toborek	U Miami	Blood Brain Barrier Pericytes And The Molecular Impact Of Latent Vs active HIV Infection
Florida Owens	GS	Y	N.El-Hage	FIU	The Role of Epigenetics in Mediating Maladaptive Neuronal Changes in HIV and Opioid Drug Abuse
Lester Rosario-Rodriguez	PDF	Y	L.Melendez	UPR	HOST FACTORS ASSOCIATED WITH COVID-19 SEVERITY AND NEUROLOGICAL MECHANISMS IN A HISPANIC POPULATION
Silvana Valdebenito	PDF	Y	E. Eugenin	UTMB	ROLE OF TUNNELING NANOTUBES-LIKE STRUCTURES DURING THE EARLY EVENTS OF HIV INFECTION AND VIRAL REACTIVATION

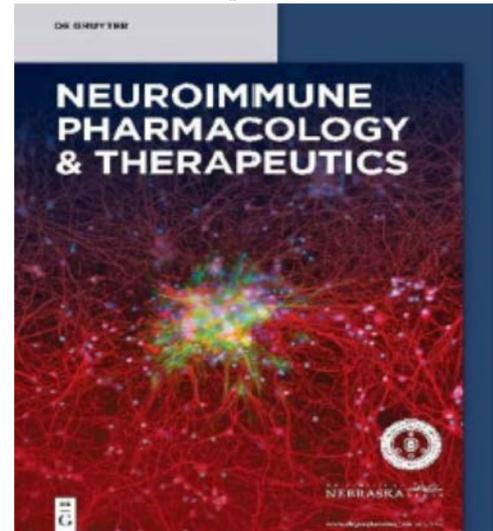


SNIP'S OFFICIAL JOURNAL "NEUROIMMUNE PHARMACOLOGY & THERAPEUTICS"

NeuroImmune Pharmacology and Therapeutics (NIPT)

NeuroImmune Pharmacology and Therapeutics (NIPT) is the official peer-reviewed journal of the Society on NeuroImmune Pharmacology. Launched in early 2022 to reflect the Society's interdisciplinary ideals, NIPT showcases cutting-edge research in four core areas: neuroscience, immunology, pharmacology, and therapeutics. Published manuscripts should focus on any one of these subject areas and/or their intersections to advance basic, clinical, and translational science.

NIPT is fully owned by the Society. The open-access journal is published online by De Gruyter (ISSN: 2750-6665) in advance of print publication and distribution by the University of Nebraska Press. Editor-in-Chief Dr. Howard E. Gendelman developed NIPT in collaboration with the Society, fellow editors, and philanthropic donors. Contributions from Society members are welcome and encouraged. In the journal's first and second years of operation, the article processing charge (APC) will be waived for invited contributions to special theme issues and unsolicited manuscripts. APC waivers and discounts are possible thanks to NIPT's generous philanthropic supporters.



Journal website

<https://www.degruyter.com/journal/key/nipt/html>

Submission portal

<https://mc.manuscriptcentral.com/nipt>

Contact NIPT

For more information, please contact the journal's editorial office at nipt@unmc.edu.

UPCOMING 2024 SNIP MEETING CHARLESTON, SC

28th Scientific Conference
Society on NeuroImmune Pharmacology
The Francis Marion Hotel
Charleston, SC



Save the Date



March 10th-13th, 2024

The Society for NeuroImmune Pharmacology is celebrating its 28th year! Building upon the incredible success of the 2023 SNIP meeting in New Delhi, India, we are excited about our upcoming Annual Meeting in Charleston, SC from March 10-13, 2024.

I know that every time I go to SNIP, I have so much to look forward to – the exciting science together with the opportunity to sit down with colleagues to talk about our work, and just interesting conversations with colleagues about life in general. For myself, SNIP meetings have provided many collaborative opportunities that resulted from a chance remark or thought about a methodology or approach that I had not previously considered. Although this may happen at other meetings, the SNIP meetings foster collegial interactions.

SNIP has always had a huge commitment to supporting emerging/diverse scientists, and the energy they bring to our society is inspiring. In the coming year, we look to expand our education and professional development opportunities, engage early career scientists, and expand our ongoing commitment to diversity initiatives at SNIP 2024.

I look forward to seeing you in Charleston!

Rosemarie Booze, Ph.D.
President