4th Global Experts Meeting on
Neuropharmacology
San Antonio, USA  September 14-16, 2016

Scientific Program

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Email: neuropharmacology@conferenceseries.net, neuropharmacology@conferenceseries.com
08:00-09:00  Registrations

09:00-09:25  Opening Ceremony

Keynote Forum

09:25-09:30  Introduction

09:30-09:55  Title: BBB a gateway for neurodegeneration - Neuroprotection
Hari Shanker Sharma, Uppsala University, Sweden

09:55-10:20  Title: Plugging the leaks - New drug discovery based on leak current channels
Donard S Dwyer, LSU Health Sciences Center, USA

10:20-10:45  Title: Allosteric receptor-receptor interactions in heteroreceptor complexes give a new dimension to molecular neuroscience
Kjell Fuxe, Karolinska Institutet, Sweden

Networking and Refreshments 10:45-11:00

Sessions: Neuro Immune Pharmacology | Psychopharmacology | Behavioral Neuropharmacology Neuroendocrinology
Session Chair: Hari Shanker Sharma, Uppsala University, Sweden
Session Chair: Yet to Confirm

11:00-11:20  Title: Targeting the splenic response to brain ischemia as a treatment for stroke
Keith Pennypacker, University of Kentucky, USA

11:20-11:40  Title: Promoting serotonergic neurotransmission to enhance sociability
Georgianna G Gould, The University of Texas, USA

11:40-12:00  Title: sAPPα a potent endogenous inhibitor of BACE1: Therapeutic potential for AD
John Varghese, University of California, USA

12:00-12:20  Title: Activation of α7 nicotinic acetylcholine receptor improves blood-brain barrier integrity
Hua Su, University of California, USA

12:20-12:40  Title: Regulation of guanylyl cyclase/natriuretic peptide receptor-A gene expression and signaling:
Kailash N Pandey, Tulane University, USA

12:40-13:00  Title: Comparison of verbal and emotional responses of elderly people with mild/moderate dementia and those with severe dementia in responses to seal robot, PARO
Kazue Takayanagi, Seiwaen Geriatric Institute, Japan

Lunch Break 13:00-13:40

13:40-14:00  Title: Scrub typhus meningoencephalitis, a diagnostic challenge for clinicians: A hospital based study from North-East India
Masaraf Hussain, North Eastern Indira Gandhi Regional Institute of Health and Medical Sciences, India

14:00-14:20  Title: Changes in the temperament and character inventory dimensions after antidepressants treatment in patients with major depressive disorder
Norio Yasui-Furukori, Hirosaki University, Japan

14:20-14:40  Title: Neurological consequences of pediatric HIV infection
Mark W Burke, Howard University, USA

14:40-15:00  Title: Anti-stress effects of ONO-2952, A novel translocator protein 18kDa (TSPO) antagonist
Takashi Kitajima, ONO Pharmaceutical Co., LTD., Japan

15:00-15:20  Title: Interaction of Oxytocin and neuropeptide S in anxiety and social fear
Thomas Grund, University of Regensburg, Germany

15:20-15:40  Title: PET imaging of ischemia-induced impairment of mitochondrial complex I function in living brain
Hideo Tsukada, Hamamatsu Photonics K.K., Japan

15:40-16:00  Title: Predictive accuracy of wechsler adult intelligence scale, forth ed., (WAIS-IV) seven- and four- subtest short form models in estimating full scale IQ (FSIQ) and its indices in a Swedish non-clinical sample
Maria Lindau, Stockholm University, Sweden

Networking & Refreshment Break 16:00-16:15
Title: Promiscuous activation of adrenoreceptors by dopamine in modulation of GABAergic transmission in the entorhinal cortex
Saobo Lei, University of North Dakota, USA

Title: Fractal complexity of the environmental cues: The possible impact to the brain and visual system
Marina Zueva, Moscow Helmholtz Research Institute of Eye Diseases, Russian Federation

Title: Glatiramer acetate reveals both remitting and progressive processes in an animal model of relapsing-remitting multiple sclerosis
Patrizia LoPresti, University of Illinois at Chicago, USA

Title: Clinical and imaging characteristics and autoantibody analysis of neuromyelitis optica spectrum disorders
Yan Xing, Aviation General Hospital, China

Panel Discussion
Day 2   September 15, 2016

Hall

Keynote Forum
09:00-09:25
Title: The oxidative stress initiated mitochondrial DNA overproliferation and deletion in the context of the cancer and neurodegeneration: Recent challenge in neuropharmacology
Gjumrakch Aliev, GALLY International Biomedical Research Institute Inc., USA

Special Session
09:25-10:05
Title: Does Ritalin have the potential to become a drug of abuse?
Nachum Dafny, The University of Texas, USA

Symposoium on Ca\textsuperscript{2+}-interlocked membrane guanylate cyclase transduction network:
Biochemistry and physiology
Organizer: Rameshwar K Sharma, Salus University, USA
Co-organizers: Clint Makino, Harvard Medical School, USA
Teresa Duda, Salus University, USA
10:05-10:25
Title: Membrane guanylate cyclase: A multimodal cell signaling switch
Rameshwar K Sharma, Salus University, USA

10:25-10:45
Title: Synergistic modulation of the membrane guanylate cyclases in retinal rods and cones by bicarbonate and calcium
Clint L Makino, Boston University, USA

Networking and Refreshments 10:45-11:00

11:00-11:20
Title: Ca\textsuperscript{2+} sensor S100B in cone phototransduction
Teresa Duda, Salus University, USA

11:20-11:40
Title: Structural insights for activation of retinal guanylate cyclase by GCAP1
James B Ames, University of California, USA

11:40-12:00
Title: AIPL1, a protein linked with blinding diseases has distinct roles in rod and cone photoreceptor neurons
Saravanan Kolandaivelu, West Virginia University Eye Institute, USA

12:00-12:20
Title: Innovations in hyperspectral imaging approaches allow simultaneous measurement of the kinetics and spatial spread of cyclic nucleotide signals
Thomas Rich, University of South Alabama, USA

12:20-12:40
Title: Pharmacology of the guanylate cyclase-C agonist linaclotide
Boris Tchernychev, Ironwood Pharmaceuticals Inc., USA

12:40-13:00
Title: Differential regulation of membrane bound guanylyl cyclases (GC) during \beta-adrenergic receptor activation-induced hypertrophic growth in rats
Elangovan Vellaichamy, University of Madras, India

Lunch Break 13:00-13:40

13:40-14:00
Title: Identification of novel interacting partners of the RetGC1/GCAPs complex responsible for cGMP synthesis in photoreceptor cells of the retina: Implications for cell physiology and disease
Ana Méndez, University of Barcelona, Spain

14:00-14:20
Title: Environmental alkalinity sensing mediated by the transmembrane guanylyl cyclase GCY-14 in C. elegans
Ichiro N Maruyama, Okinawa Institute of Science and Technology, Japan
Title: The Role of GCAP1 and GCAP2 in Regulating the retinal guanylate cyclase and phototransduction in mammalian cones
Frans Vinberg, Washington University School of Medicine, USA

Sessions: Molecular Neuropharmacology | Clinical Neuropharmacology | Alzheimer's Disease and Dementia | Parkinson's Disease
Session Chair: Magnus S Magnusson, University of Iceland, Iceland

Session Chair: Gjumrakch Aliev, GALLY International Biomedical Research Institute Inc., USA

Title: Why search for hidden repeated temporal behaviour patterns? T-Pattern Analysis (TPA) with theme
Magnus S Magnusson, University of Iceland, Iceland

Title: Combining memantine with hypobaric hypoxia or hyperbaric oxygen does not generate additional neuroprotection in the model of birth asphyxia in 7-day-old rats
Elzbieta Salinska, Polish Academy of Sciences, Poland

Title: Human umbilical cord blood cells improve neurobehavioural outcome in a rabbit model of cerebral palsy
Sidhartha Tan, University of Chicago, USA

Title: Methadone blocks analgesic tolerance induced by morphine pretreatment
Nicolas Marie, Neuropasticity and Therapies of Addictions, CNRS, France

Networking and Refreshments 16:00-16:15

16:15-16:35
Title: Effects of amyloid-β deposition on mitochondrial complex I activity in brain: A PET study in aged monkeys
Hideo Tsukada, Hamamatsu Photonics K.K., Japan

Title: Impact of natalizumab treatment on fatigue, mood and aspects of cognition in relapsing-remitting MS
Annett Kunkel, Asklepios Kliniken GmbH, Germany

Title: Hydrogen sulfide attenuates opioid withdrawal-induced jumping and pain sensitization
Jin-Song Bian, National University of Singapore, Singapore

Title: Morphine experience in adult rats alters morphine preference and brain expression of dopamine receptors in F1 offspring
Nasim Vousooghi, Tehran University, Iran

Title: Neuroimaging of Rapamycin and prevention of Alzheimer's disease for APOE4 carriers
Ai-Ling Lin, University of Kentucky College of Medicine, USA

Poster Presentations
Poster Judge: Hari Shanker Sharma, Uppsala University, Sweden

NPC-001
Title: Nucleus accumbens neuronal activity and behavioral response to variable acute and chronic doses of methylphenidate in freely behaving adult and adolescent rats
Asif Kabani, The University of Texas, USA

NPC-002
Title: Dose-response assessment of acute and chronic MPD exposure recorded from PFC neurons in freely behaving adult male rats
Sid Venkataraman, The University of Texas, USA

NPC-003
Title: Locus coeruleus and ventral tegmental area of adolescent rats responded differently to ritalin. electrophysiological and behavioral study
Tahseen J Karim, The University of Texas, USA

NPC-004
Title: Neuroprotective effects of medicinal herb extract on corticosterone-induced neurotoxicity, (neuroinflammation, mitochondrial function and expression of BDNF
Mi Young Lee, Korea Institute of Oriental Medicine, Republic of Korea

NPC-005
Title: Chronic methylphenidate exposure on behavioral and dorsal raphe neuronal recordings from in freely behaving adult and adolescent animals
Raymond Traweek, The University of Texas, USA

NPC-006
Title: Concomitant behavioral and vta neuronal study on the effect of mpd in the developing brain
Ip W, The University of Texas, USA

NPC-007
Title: stroke after atrial myxoma resection
Reginald Lafleur & Phenix Alcide, Harlem Cardiology, USA

NPC-008
Title: Protective effects of oxymatrine against arsenic trioxide-induced liver injury
Li Li, Capital Medical University, China
Day 3   September 16, 2016

Hall

Sessions: Neurochemical Transmission | Chemical Neurotransmitters | Neurotechnology | Neuroethics | Future Aspects of Neuropharmacology

Session Chair: Jose F Abisambra, University of Kentucky, USA
Session Chair: Enzo Wanke, University of Milano-Bicocca, Italy

Introduction

09:00-09:20
Title: PERK inhibition reduces hyperphosphorylated tau and rescues neuronal function in an eIF2 \( \alpha \)-independent mechanism
Jose F Abisambra, University of Kentucky, USA

09:20-09:40
Title: Low excitatory innervation of immature neurons enhances pattern separation
Cristina Vittoria Dieni, University of Perugia, Italy

09:40-10:00
Title: Glia to axon RNA transfer
José R Sotelo, Instituto de Investigaciones Biológicas Clemente Estable, USA

10:00-10:20
Title: Central role of nitric oxide-dependent S-nitrosylation in the control of the astrocytic Ca\(^{2+}\) signaling that mediates neurovascular coupling
Xavier F Figueroa, Pontificia Universidad Catolica de Chile, Chile

10:20-10:40
Title: Future individualization of intrathecal dosages and paramedian approaches to reduce toxicity and bone contact: Estimating Cerebrospinal fluid dilution volumes and puncture angles from MRI
Anna Puigdellívol-Sánchez, University of Barcelona, Spain

10:40-11:00
Title: Inflammatory demyelination induces retinal ganglion cell loss and glia response in experimental autoimmune encephalomyelitis
Stephanie C Joachim, University Eye Hospital, Germany

Networking and Refreshments 11:00-11:15

11:15-11:35
Title: Investigation of the neuropharmacology of fast and slow drug-induced interactions in networks of astrocyte-neuron-microglia using advanced in vitro multi-site recording methods
Enzo Wanke, University of Milano-Bicocca, Italy

Workshop

11:35-12:10
Title: Discovering hidden experimental effects through the detection of recurring hierarchical structured real-scale time patterns: T-pattern detection and analysis with the special purpose THEME software
Magnus S Magnusson, University of Iceland, Iceland

12:10-12:30
Title: Pneumorrhachis
Fatih Yakar, Ankara University Medical School, Turkey

12:30-12:50
Title: \( \alpha \)-synuclein phosphorylation as a therapeutic target in Parkinson’s disease and related disorders
Abid Oueslati, Université Laval School of Medicine & CHU de Quebec Research Center Quebec, Canada

Lunch Break 12:50-13:30

13:30-13:50
Title: Oxidative damage and pharmacokinetics of the benzonitrile herbicide, pendimethalin in rat
Ahmed K Salama, Majmaah University, KSA

13:50-14:10
Title: Neurotrophins modulate synaptic plasticity of sympathetic ganglia
Miguel A Morales, Ciudad Universitaria, Mexico

Workshop

14:10-14:45
Title: The theory of fractality of sensations and the brain health
Marina Zueva, Moscow Helmholtz Research Institute of Eye Diseases, Russian Federation

Young Researchers Forum

14:45-15:00
Title: Epidemiology of tardive dyskinesias in community dwelling schizophrenia patients in rural South India
Shashank Arunachal U, St. Johns Medical College, India

15:00-15:15
Title: Constructing a neuroethical framework for Alzheimer’s disease research employing big data
Farhan Ahmad, The University of Texas, USA

Networking and Refreshments
Panel Discussion
B2B Meetings & Award Ceremony
Awards & Closing Ceremony