



ISN
International Society
for Neurochemistry

ISN-JNC Flagship School

**The malleable brain: plasticity of neural
circuits and behaviour**

Alpbach, Austria
September 12th - 18th 2016

List of poster presentations

**Alphabetical order according to presenting author
Abstract number = poster board number**

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Philip Adeniyi

3. EFFECTS OF LIPOPOLYSACCHARIDE (LPS) PRECONDITIONING ON PENTYLENETETRAZOL RAT MODEL OF EPILEPSY

Elham Amini

5. EFFECTS OF α -MANGOSTIN ON SPATIAL MEMORY PERFORMANCE & CHOLINERGIC ENZYME ACTIVITIES AGAINST SCO-INDUCED COGNITIVE IMPAIRMENT

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7. HIPPOCAMPAL NEUROGENESIS IN EGYPTIAN FRUIT BATS FROM THREE ENVIRONMENTS: ARE VARIATIONS DUE TO THE ENVIRONMENT OR METHODOLOGY?

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Shampa Ghosh

13. CELL FIRING INDUCED METAPLASTIC REGULATION OF LONG-TERM POTENTIATION

Regina Hegemann

15. SPERMIDINE AMELIORATES 3- NITROPROPIONIC ACID (3-NP) INDUCED STRIATAL TOXICITY: POSSIBLE ROLE OF NEUROTRANSMITTERS

Sumit Jamwal

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31. SHAKY A NOVEL AND SPONTANEOUS MOUSE MODEL FOR HYPEREKPLEXIA - DEMONSTRATING THE IMPORTANCE OF LOOP F FOR INHIBITORY GLYCINE RECEPT

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33. AMELIORATION OF A BETA (1-42) INDUCED PLASTICITY IMPAIRMENT BY INHIBITION OF G9A/GLP COMPLEX IN CA1 HIPPOCAMPAL NEURONS

Mahima Sharma

35. MATERNAL VIT B12 DEFICIENCY IS ASSOCIATED WITH POOR LEARNING AND MEMORY AND INCREASED OXIDATIVE STRESS IN BRAIN OF MOUSE OFFSPRING

Jitendra Kumar Sinha

37. KCNQ2 VARIANT IN THE CALMODULIN BINDING REGION DE-STABILIZES CHANNEL FORMATION AND DISRUPTS PIP2 BINDING

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39. GENETIC DETERMINANTS OF STRESS RESPONSIVENESS, FEAR MEMORY AND SOCIAL INTERACTIONS

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41. TAU REDUCTION PREVENTS COGNITIVE AND MOTOR DEFICITS IN A MOUSE MODEL OF TRAUMATIC BRAIN INJURY

Ping Zheng

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4. THE ANTI-DIABETIC DRUG METFORMIN IMPAIRS MITOCHONDRIAL METABOLISM AND STIMULATES GLYCOLYSIS IN CULTURED RAT ASTROCYTES
Eva-Maria Blumrich

6. MITOCHONDRIAL PATHWAY MEDIATED NEUROPROTECTION BY MELATONIN IN VALPROIC ACID INDUCED NEUROTOXICITY
Shaista Chaudhary

8. REVERSAL OF INSULIN RESISTANCE-INDUCE COGNITIVE DEFICITS AND GLUTAMATE-EXCITOTOXICITY BY INHIBITION OF GSK-3BETA
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10. A NEUROINFORMATICS PERSPECTIVE ON COGNITION DEFICIT CAUSED BY SINGLE NUCLEOTIDE POLYMORPHISMS ASSOCIATED TO PARKINSON'S DISEASE
Ezra Garcia

12. POTENTIAL IMPACT OF BRAIN PRECONDITIONING WITH MILD INFLAMMATION ON RAT MODEL OF PARKINSON'S DISEASE
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14. EFFECT OF BDNF AGAINST HH INDUCED LOSS OF SYNAPTIC PLASTICITY AND STRENGTH
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16. ACETYLCHOLINE AND GLUTAMATE RELEASED BY STRIATAL CHOLINERGIC INTERNEURONS MODULATE DISTINCT BEHAVIOURAL DOMAINS
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22. GLUTAMATERGIC REGULATION OF GLIAL TRANSPORTERS FOR NEURON-GLIA METABOLIC COUPLING
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24. ABNORMAL MITOCHONDRIAL BIOENERGETICS RESULTS COGNITIVE DYSFUNCTIONS IN SPORADIC ALZHEIMER'S DISEASE ANIMAL MODEL
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28. A MODEL OF BILATERAL SUBCORTICAL BAND HETEROTOPIA CREATED BY IN UTERO ELECTROPORATION WITH A TRIPLE ELECTRODE PROBE

Surajit Sahu

30. ACTIVITY OF MATRIX METALLOPROTEINASE-9 (MMP-9) MIGHT PROMINENTLY MODULATE PRESYNAPTIC RELEASE PROBABILITY

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36. EXPRESSION AND FUNCTIONALITY OF THE CYSTINE-GLUTAMATE EXCHANGER (XC-) MODULATED BY CGMP AND NO IN BERGMANN GLIA CELLS

Edna Suarez

38. SEX-DEPENDENT BEHAVIORAL EFFECTS IN SCHIZOPHRENIA-RELATED BEHAVIORS CAUSED BY ALTERED LEVELS OF MMP-9

Behnam Vafadari

40. LEARNING AND MEMORY DEFICITS IN MODULATOR OF APOPTOSIS 1 (MOAP-1) KNOCKOUT MICE

Hui Zhao