Poster Session

SESSION 8: GENERAL POSTER SESSION

Session Chair: Lisa Opanashuk, Ph.D

The Poster Session is a highlight of this conference series. It has proven to be an effective venue for informal, in-depth discussion and collaboration building -- as well as an important networking opportunity for all participants. Papers on any aspect of neuroscience, toxicology, children’s environmental health, public health & policy are welcome!

Student Award Competition! Judging and selection of Pre-Doctoral and Post-Doctoral Student Awardees will be made during the poster session. Abstracts have been divided into two groups: (1) Pre-Doctoral and (2) Post-Doctoral. There will be a 1st, 2nd, and 3rd place winner chosen from each group for a total of six awards.

GROUP 1: PRE-DOCTORAL COMPETITION

Group 1: Pre-Doctoral Student Award Committee
1. Lisa Opanashuk, PhD – Chair
2. Rich Seegal, PhD
3. John Bowyer, PhD

Group 1: Pre-Doctoral Students (6)
Carlos Collares Mentor: Paulo Cesar
Trevisol-Bittencourt, PhD
Derek Drechsel Mentor: Manisha Patel, PhD
Amar Jyoti Mentor: Deepak Sharma, PhD
Brandon Kersh Mentor: Barbara Clancy, PhD
Lisa Miyatake Mentor: Vanessa Fitsanakis, PhD
Victor Wang Mentor: Susan Schantz, PhD

GROUP 2: POST-DOCTORAL COMPETITION

Group 2: Post-Doctoral Student Award Committee
1. Anumantha Kanthasamy, PhD – Chair
2. Virginia (Ginger) Moser, PhD
3. Toshio Narahashi, PhD

Group 2: Post-Doctoral Students (7)
Rebecca Erickson, PhD Mentor: Karen Steinmetz, PhD
Wenceslao Kiat, PhD Mentor: Irma Makalinao, PhD
Rebecca Knickmeyer, PhD Mentor: John Gilmore, MD
Ruth Jameson, PhD Mentor: Ted Slotkin, PhD
Tin Tin Win Shwe, PhD Mentor: Hidekazu Fujimaki, PhD
Jianyong Wang, MD, PhD Mentor: Syed F. Ali, PhD
Xiaoju Zou, PhD Mentor: Cheng Wang, MD, PhD
GROUP 1: PRE-DOCTORAL GROUP

P-85  Pre-Doc Award Competition
CHEMICAL INTOLERANCE IN BRAZIL: BEYOND THE DICHOTOMY. Colares CF, Trevisol-Bittencourt, PC. Sao Paulo Poison Control Center. Federal University of Santa Catarina. Brazil.

P-97  Pre-Doc Award Competition
AGE-DEPENDENT IMPAIRMENTS OF CHRONIC ESTROGEN EXPOSURE ON DSA AND DRL OPERANT TASKS. VC Wang and SL Schantz. Neuroscience Program, University of Illinois, Urbana-Champaign, Urbana, IL

P-116  Pre-Doc Award Competition
AGING ACCELERATES THE PROGRESSION AND MANIFESTATION OF SEIZURES IN POST-TRAUMATIC MODEL OF EPILEPSY. Amar Jyoti, Pallavi Sethi and Deepak Sharma. Neurobiology Laboratory, School of Life Sciences, Jawaharlal Nehru University, New Delhi-67, India.

P-117  Pre-Doc Award Competition
UTILIZATION OF BEHAVIORAL TESTING, ATOMIC ABSORPTION SPECTROSCOPY (AAS) AND ISOPROSTANE ANALYSIS TO DETERMINE THE EFFECTS OF BRAIN MANGANESE (MN) ACCUMULATION IN MALE C57BL/6J MICE. LA Miyatake1, V Fitsanakis1, D Miltovic1, J Anderson2, KM Erikson2, M McDonald3, and M Aschner1,4,5. 1Department of Pediatrics, Vanderbilt University School of Medicine, Nashville, TN. 2Department of Nutrition, University of North Carolina – Greensboro, Greensboro North Carolina. 3Department of Pharmacology, Vanderbilt University, Nashville, TN. 4Department of Pharmacology and the 5Kennedy Center, Vanderbilt University Medical Center, Nashville, TN.

P-118  Pre-Doc Award Competition
EQUATING NEURODEVELOPMENT ACROSS MAMMALIAN SPECIES USING NEUROINFORMATICS. Brandon M. Kersh, James R. Hyde, Barbara Clancy. University of Central Arkansas, Conway AR /INBRE, University of Arkansas for Medical Sciences, Little Rock, AR

P-122  Pre-Doc Award Competition
1-METHYL-4-PHENYLPIRYDINIUM-INDUCED ALTERATIONS OF GLUTATHIONE AND REDOX ENVIRONMENT IN IMMORTALIZED RAT DOPAMINERGIC NEURONS. DA Drechsel, LP Liang, and M Patel. Department of Pharmaceutical Sciences, University of Colorado at Denver and Health Sciences Center, Denver, CO, USA.

GROUP 2: POST-DOCTORAL GROUP

P-88  Post-Doc Award Competition
A PROXY MEASURE OF PRENATAL TESTOSTERONE EXPOSURE IS RELATED TO GRAY MATTER VOLUME IN HUMAN NEONATES. Rebecca C. Knickmeyer, Y. Sampath K. Vetvisa, Bradley Moore, Guido Gerig, and John Gilmore. 1Dept. of Psychiatry, University of North Carolina, Chapel Hill, NC 27599, 2Dept. of Computer Science, University of North Carolina, Chapel Hill, NC 27599.

P-91  Post-Doc Award Competition
ACUTE DELIBERATE ORGANOPHOSPHATE (COUMAPHOS) POISONING WITH INTERMEDIATE SYNDROME IN A ONE YEAR OLD CHILD. Kiat, WK, Toxicology Unit, St. Luke’s Medical Center, Quezon City, Philippines

P-94  Post-Doc Award Competition
VALIDATION OF THE DELAYED-NON-MATCH-TO-POSITION 8-ARM RADIAL MAZE (8ARM) TASK WITH SCOPOLAMINE, NICOTINE, AND ETHANOL. RI Erickson, EB Defensor, DR Middaugh, LL Rausch, JC Mirsalis, and KL Steinmetz. SRI International, Menlo Park, CA, USA.

P-110  Post-Doc Award Competition
ARE NONENZYMATIC FUNCTIONS OF ACETYLCHOLINESTERASE (ACHE) INVOLVED IN THE DEVELOPMENTAL NEUROTOXICITY OF ORGANOPHOSPHATES? EFFECTS OF CHLORPYRIFOS AND DIAZINON ON EXPRESSION OF ACHE SPLICE VARIANTS IN VITRO AND IN VIVO. RR Jameson, FJ Seidler and TA Slotkin. Department of Pharmacology & Cancer Biology, Duke University Medical Center, Durham, NC, USA.

P-112  Post-Doc Award Competition
T CELL-MEDIATED NEUROPROTECTIVE RESPONSE IN TOXIC CHEMICAL INDUCED MEMORY-RELATED GENE EXPRESSIONS IN A MOUSE HIPPOCAMPUS. Tin-Tin-Win-Shwe, S. Ahmed1, S. Tsukahara2, S. Yamamoto3, M. Kakeyama1, D. Nakajima3, S. Goto4, T. Kobayashi4, H. Fujimaki5 2Environmental Health Sciences Division, National Institute for Environmental Studies, 16-2 Onogawa, Tsukuba, Ibaraki 305-8506, Japan 2Center for Environmental Risk Research, National Institute for Environmental Studies, 16-2 Onogawa, Tsukuba, Ibaraki 305-8506, Japan

P-113  Post-Doc Award Competition
GASEOUS ANESTHETIC DRUG COMBINATIONS INDUCE DEVELOPMENTAL NEURO-APOPTOSIS IN THE RAT FRONTAL CORTEX. X Zhou, N Sadovova, AC Scaliet, B Divine, C Hotchkiss, TA Patterson, MG Paule, W Slikker and C Wang. Division of Neurotoxicology, NCTR/FDA, Jefferson, Arkansas, 72079

P-115  Post-Doc Award Competition
GENE EXPRESSION PROFILING OF MPP+-TREATED MN9D CELLS: A MECHANISM OF TOXICITY STUDY. Jianyong Wang, Zengjun Xu, Hong Fang, Helen M. Duhart, Tucker A. Patterson, and Syed F. Ali. Neurochemistry Laboratory, Division of Neurotoxicology, National Center for Toxicological Research, Jefferson, Arkansas, USA