

GeneExpression Systems, Inc. & Appasani Research Conferences (ARCEI) Presents:
Neuron to Synapse-2010 Meeting
On

'Neurobiology to Neurodegenerative Diseases & Therapeutics'
June 7 – 8, 2010

Holiday Inn Midtown 57th Street

440 West 57th Street, New York City, NY 10019, USA

Tel: 781-891-8181; Fax: 781-891-8234; E-mail: Genexpsys@expressgenes.com; www.expressgenes.com

AGENDA/SPEAKERS*

Day 1: Monday, June 7

8.00 A.M: **Registration Open: Coffee & breakfast**

9.00 – 9.15 AM **Chairman's Welcoming Note**
Krishnarao Appasani, PhD., MBA. GeneExpression Systems, Inc.

9.00 – 12.25 PM **Session I. Neurobiology of Human Brain Diseases**
Session Chair: Krishnarao Appasani

9.15 – 10.00 AM: **Announcement & Presentation of Neuron Innovator Award**
Keynote Lecture By
Robert B. Darnell, MD., PhD.
Robert and Harriet Heilbrunn Professor, HHMI Investigator & Attending Physician
Rockefeller University, New York, NY, USA
Title: RNA regulation in human brain diseases

10.00 – 10.25 AM: **Ottavio Arancio, MD., PhD.**
Associate Professor of Pathology & Cell Biology
Columbia University Medical Center, New York, NY, USA
Title: Amyloid-beta: from Physiology to Pathology

10.25 – 10.50 AM: **Patrick C. May, PhD.**
Research Fellow of Neuroscience
Lilly Research Labs, Lilly Corporate Center, Indianapolis, IN, USA
Title: Current Status and Future of Secretase Inhibitors for the Treatment of Alzheimer's Disease

10.50 – 11. 10 AM: **Refreshment Break (20 min)**

11.10 – 11.35 AM: **Paul Lombroso, MD.**
House Jameson and Elizabeth Mear Professor of Child Study Center
Depts. Of Psychiatry & Neurobiology, Yale Univ. School of Med., New Haven, CT USA
Title: Alzheimer's disease: Taking STEPs to Improve Cognition

11.35 – 12.00 PM: **Shin-ya Kawaguchi, Ph.D.**
Assistant Professor of Biophysics
Graduate School of Science, Kyoto University, Kyoto, Japan
Title: Systems Biology of Plasticity at Inhibitory Synapses

12.00 – 12.25 PM: **Aiden Corvin, MB, MRCPsych, PhD.**
Senior Lecturer in Psychiatry & Director of Research at the School of Medicine
St James's Hospital, Trinity College Dublin, Dublin Ireland
Title: mechanisms for schizophrenia aetiology: lessons learned from genomics

12.25 – 1.30 PM: **Lunch Break (1 hr.)**

1.30 – 3.10 PM: Session II: Learning & Memory

Session Chair: Paul Lombroso

1.30 – 2.05 PM: **Keynote Lecture** by **Joseph E. LeDoux, PhD.**
University Professor
Center for Neural Science, New York University, New York, NY, USA
Title: Biological mechanisms of emotional memory

2.05 – 2.30 PM: **Yi Zhong, PhD.**
Professor of Neuroscience
Watson School of Biological Sciences, Cold Spring Harbor lab, New York, NY,
USA
Title: Memory formation in Drosophila

2.30 – 2.55 PM: **Robert Hawkins, PhD.**
Professor of Neuroscience and Psychiatry
Columbia University Medical Center, New York, NY USA
Title: Role of spontaneous transmitter release in learning-related synaptic plasticity

2.55 – 3.20 PM: **Lila Davachi, PhD.**
Assistant Professor of Psychology
New York University, New York, NY, USA
Title: TBA

3.20 – 3.45 PM Refreshment Break (30 min)

3.45 – 5.45 PM: Session III. Cortical Migration, Neural Circuits and Brain-Computer Interfaces

Session Chair: Ian Scott

3.45 – 4.10 PM: **Songhai Shi, PhD.**
Developmental Biology Program
Memorial Sloan Kettering Cancer Centre, New York, NY USA
Title: Lineage-dependent neuronal circuit formation in the mammalian neocortex

4.10 – 4.35 PM: **Stewart A. Anderson, M.D.**
Professor of Neuroscience & Attending Psychiatrist
New York-Presbyterian Hospital & Weill Cornell Medical College, New York, NY USA
Title: TBA

4.35 – 5.00 PM: **Ian L. Scott, PhD.**
Senior Director of Chemistry & Biology
Accucela, Inc., Bothell, WA, USA
Title: TBA

5.00 – 5.15 PM: **Sanghamitra Bandyopadhyay, Ph. D.** (SHORT Presentation)
Scientist, Developmental Toxicology
Indian Institute of toxicology Research (CSIR), Lucknow, UP, India
Title: As, Cd and Pb synergistically promotes apoptosis in astrocytes and damages blood brain barrier in developing rat brain with altered neurobehavior

5.15 PM: End of the day

Day 2: Tuesday, June 8

8:00 A.M: **Registration Open: Coffee & breakfast**

8.30 AM: **Opening of the Sessions**

9.00 – 10.30 AM: **Session IV: Neuro-developmental and Psychiatric Disorders**

Session Chair: Eric Nestler

9.00 – 9.30 AM: **Eric J. Nestler, MD., PhD.**
Nash Family Professor of Neuroscience & Director of Brain Institute
Mount Sinai School of Medicine, New York, NY, USA
Title: Epigenetic Mechanisms of Drug Addiction

9.30 – 10.00 AM: **Industry Keynote Lecture by Joan Fallon, PhD.**
Chief Executive Officer
Curemark, Inc., Rye, NY, USA
Title: TBA

10.00 – 10.25 AM: **Wenzhen Duan, M.D., Ph.D**
Assistant Professor of Neurobiology, Psychiatry
Johns Hopkins University School of Medicine, Baltimore, MD USA
Title: Potential therapeutic targets for Huntington's disease: lessons learned from calorie restriction

10.25 – 10.50 AM: **Alistair Stewart, PhD.**
Director of Corporate Development
Allon Therapeutics Inc., Vancouver, BC, Canada
Title: Phase 2 clinical trials of a novel neuroprotective drug, davunetide (AL-108) for the treatment of Alzheimer's disease and frontotemporal dementia

10.50 - 11.20 AM: **Coffee Break (30 min)**

Session Chair: Christian Thomsen

11.20 – 11.45 AM: **Youming Lu, PhD, MD.**
Bollinger Professor of Alzheimer's Diseases, Neurology and Neuroscience
Neuroscience Center, Louisiana University School of Medicine, New Orleans, LA
USA
Title: NMDA Receptor-Associated Cell Death Signals at Extra-Synaptic Sites

11.45 – 12.10 AM: **Christian Thomsen, PhD.**
Vice President, Biological Research
Lundbeck Research, Paramus, NJ, USA
Title: Neuroprotective mechanisms of Rasagline for the treatment of Parkinson's disease

12.10– 12.35 PM: **David C. Bloom, PhD.**
Professor Molecular Genetics & Microbiology
University of Florida, Gainesville, FL, USA
Title: Use of Viral Vectors to Restore Hippocampal Synaptic Function in a Mouse Model of FRAGILE X SYNDROME

12.35 – 1.45 PM Lunch Break (1 hr. 10 min) ON YOUR OWN

1.45 – 3.30 PM Session V: Thearapeutics for Neurodegenerative Diseases

Session Chair: David Lowe

1.45 – 2.10 PM: **David A. Lowe, PhD.**
Chief Scientific Officer & Executive Vice President of R & D
Psychogenics Inc., Tarrytown, NY USA

Title: TBA

2.10 – 2.35 PM: **Amy F.T. Arnsten, PhD.**
Professor of Neurobiology
Yale University, New Haven, CT, USA
Title: Rescuing prefrontal cortical gray matter in neuropsychiatric illness

2.35 – 3.00 PM: **Kenneth J. Rhodes, Ph.D.**
Vice President, Discovery Neurobiology
Biogen Idec, Cambridge, MA, USA

Title: TBA

3.00 – 3.25 PM: **Wei-Qin Zhao, PhD.**
Scientist in the Dept. of Neurology
Merck Research Laboratories
West Point, PA USA
Title: Ab oligomer-induced synaptic loss via calcineurin-mediated endocytosis

3.30 PM: **CLOSING REMARKS BY THE CHAIRMAN**

* Speaker names, titles and order may subject to change.

Font sizes of some of the presentations might be changed during the production of this proceeding. GES is not responsible for such changes.

Materials presented in this book/website should not be reproduced without the permission of GeneExpression Systems, Inc.

© GeneExpression Systems, Inc. and ARCEI 2010