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Models of Synaptic Plasticity: Potential Roles in Development, Cognition and Disease

**20th Annual Central Virginia Chapter
of the Society for Neuroscience
Symposium**

and

**VCU School of Pharmacy Lowenthal
Symposium**

**VCU Medical Center
MCV Alumni House**

Thursday, March 13, 2008



**Lowenthal
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VCU Pharmacy School of
MCV Campus

2008 CVCSN/Lowenthal Symposium Program

8:00 am *Registration and
Continental Breakfast for all
attendees*

*Students and postdoctoral fellow
breakfast with the symposium speakers*

8:45 am **Welcome**

Dr. Carmen Sato-Bigbee
CVCSN President
Dept of Biochemistry and
Molecular Biology
VCU School of Medicine

Dr. Susanna Wu-Pong
Dir., Pharmaceutical Sciences
Graduate Program
VCU School of Pharmacy

Introduction

Dr. Bill Guido
Dept of Anatomy and
Neurobiology
VCU School of Medicine

9:00 am ***Altered Synaptic Plasticity
and Behavior in Mouse
Models of Mental Retardation***

Dr. Eric Klann
Center for Neuroscience
New York University

10:00 am *Coffee Break and Vendor
Exhibits*

10:15 am ***Synaptic Plasticity: Venturing
Beyond the Cleft***

Dr. R. Douglas Fields
Section on Nervous System
Development and Plasticity,
National Institute of Child Health
and Human Development

11:15 am ***Neuromodulation of Synaptic
Plasticity***

Dr. Alfredo Kirkwood
Zanvyl Krieger Mind/Brain
Institute
Johns Hopkins University

12:15 pm *Luncheon and Vendor
Exhibits*

1:00 pm ***3D-QSAR Analysis of
Phenylalkylamine Binding at
5-HT₂ Receptor Subtypes***

Gareth Jennings
Student recipient of the
Lowenthal Award 2007-2009

1:30 pm ***AMPA Receptor Subunit
Switching and Synaptic
Plasticity States***

Dr. Daniel Madison
Dept of Molecular and
Cellular Physiology
Stanford University School
of Medicine

2:30 pm ***Individual Differences in
Addictive Behavior:
A Process Approach***

Dr. Cristina Vargas-Irwin
Dept of Pharmacy
VCU School of Pharmacy

3:30 pm *Coffee break and Vendor
Exhibits*

3:45 pm ***Involvement of 5-HT_{1B}
Receptors and p11 in
Depression and
Parkinson's Disease***

Dr. Per Svenningsson
Dept of Physiology and
Pharmacology
Karolinska Institutet

*****Lowenthal speaker*****

4:45 pm *Questions and Round Table
Discussion*

5:00 pm *Reception*