

The 2009 Petersheim Academic Exposition Opening Ceremony

Day: Wednesday, April 15, 2009

Time: 12:00-2:00 PM (Lunch at 12:00 and program begins at 12:30 pm)

Location: Beck Rooms Walsh Library

Sponsor: The Institute of NeuroImmune Pharmacology

Contact for details: Sulie L. Chang at X9456 or changsul@shu.edu

Note: Seats are limited. Please RSVP to Christina M. Benitez at X9361 or benitech@shu.edu by noon on Tuesday, April 14, 2009

Master of Ceremony

Vivienne B. Carr, Ph.D.

Professor of College of Education and Human Services

The Opening Ceremony begins at 12:30 pm

Welcome

Rosario Reyes

Associate Dean of Students Community Development

Prayer

Rev. Lawrence Frizzell

Professor of College of Arts and Sciences

Remarks

Laura A. Wankel, Ed.D.

Vice President for Student Affairs and Enrollment Services.

&

A. Gabriel Esteban, Ph.D.

Provost

Introduction of the keynote speaker

Joseph Marbach, Ph.D.

Dean of College of Arts and Sciences

Keynote Lecture

"Environmental Stressors: From the Backyard to the Brain"

Shilpa Buch, Ph.D.

Associate Professor of Integrative Physiology

Kansas University Medical Center

Discussion

Adjourned at 2:00 pm

Shilpa Buch, Ph.D.



Dr. Buch's research is interdisciplinary. Among her many projects, she particularly emphasizes how environmental stressors affect both nervous and immune systems. The Expo theme in 2009 "Live Blue and Think Green" highlights efforts to modify our daily lives to improve the environment, as well as exploring how a disturbed environment is reflected in our mind and body. The environment is a biomedical issue. Both minds and bodies are probes that respond to the environment. Our health reflects the quality of the environment where we spend our lives.

Dr. Buch will present the experimental evidence showing how environmental toxins generated from our operations, including those chemicals used in the backyard, household, and manufacturing could bring damages to the neurological system and eventually lead to brain disorders and behavioral abnormality.

One of Dr. Buch's research scopes is to investigate the molecular mechanisms involved in HIV-associated central nervous system diseases. Dr. Buch is also developing strategies to stop virus replication. Her new research interest is focused on understanding how substances of abuse act in synergy with HIV to accelerate HIV-dementia. Dr. Buch's research involves neuroscience, virology, substance abuse as well as what is known as translational research, translating results from basic science into clinical practice, and vice versa, using the observations of clinical researchers about the nature and progression of disease to stimulate basic investigations.

Dr. Buch has mentored many clinical fellows, postdoctoral fellows and medical students in the past 15 years. These student-colleagues now hold leadership positions in both hospital and academic institutes. Dr. Buch has over 50 peer-reviewed publications and she is also the Principal Investigator of two prestigious research grants from the National Institutes of Health. Dr. Buch also serves as a Core Director for the Institute Center Grant Award.

Dr. Buch's networking goes above and beyond the usual, reaching out to offer support and help for others in the scientific community, to share her knowledge, technology, and expertise. As a popular and energetic speaker she is often invited to address national and international scientific meetings. We are delighted that she is with us today, to talk about 'Environmental Stressors: From the Backyard to the Brain'.

Dr. Buch is married to Dr. Jagdeep Buch also a scientist at Bayer Pharmaceuticals. She has two grown-up children, Atman and Eisha, with careers of their own.