Gene Networks that Support and Sustain Serotonin Signaling

The Vanderbilt Silvio O. Conte Center for Neuroscience Research, established through funding from the National Institute of Mental Health and the Vanderbilt School of Medicine, supports research and training to examine the role of embryonic and early postnatal serotonin (5-HT) signaling on brain development, plasticity and long term risk for the development of neuropsychiatric disorders.

Extensive use is made of novel recombinant and transgenic mouse lines that provide for an unprecedented visualization and manipulation of serotonin signaling \textit{in vivo}, as well as for opportunities to craft important disease models.

The Conte Center currently supports the projects of four internationally recognized investigators and over 25 scientists at Vanderbilt, Case Western Reserve and The Saban Institute of Children’s Hospital of Los Angeles, and provides pilot resources to junior investigators. Core laboratories offer state of the art technologies and research support to facilitate interactions among Conte Investigators, trainees, program consultants and collaborators.
Space is limited, reservations are required. For additional information or to make reservations for the event, please contact Denise Malone at 936-1898 or Denise.Malone@vanderbilt.edu or visit www.vandyconte.org.

Symposium Schedule

1:00 PM  Introduction by Randy Blakely, Ph.D., Director, Silvio O. Conte Center for Neuroscience Research
1:05 PM  Mark Wallace, Ph.D. on Brain Matters
1:15 PM  Jaclyn Schwarz, Ph.D.
1:55 PM  Judith Van de Water, Ph.D., UC Davis Mind Institute
2:35 PM  Scott Russo, Ph.D.
3:15 PM  Reception and Poster Session
4:15 PM  Randy Blakely, Ph.D.
4:55 PM  Andrew Miller, M.D.
5:35 PM  Closing Remarks

Light refreshments and beverages will be available during the meeting and reception.

Jaclyn Schwarz, Ph.D., University of Delaware
Sex Matters: The Neuroimmunology of Developmental Disorders and the Role of Sex

Judith Van de Water, Ph.D., UC Davis Mind Institute
Thinking Outside the Brain: Immune Dysregulation in Autism

Scott Russo, Ph.D., Icahn School of Medicine at Mount Sinai
From Inflammation to Depression: Peripheral IL-6 and Stress Susceptibility

Randy Blakely, Ph.D., Vanderbilt University, Conte Center
Too Much of a Good Thing? Immune System Activation of the Serotonin Transporter

Andrew Miller, M.D., Emory University Mind Body Program
Inflammation and its Behavioral Discontents: Lessons from Cytokine Administration and Antagonism

Sponsored by the Vanderbilt Conte Center, with support from Vanderbilt Brain Institute and Vanderbilt Kennedy Center for Research on Human Development.