The Schoolar Lecture in Psychopharmacology

“How Molecules Modulate Mood: Chemical Principles of Antidepressant and Psychostimulant Action at Biogenic Amine Transporters”

Eric Gouaux, Ph.D.
Senior Scientist; Investigator
Vollum Institute, Oregon Health and Science University
Howard Hughes Medical Institute
Portland, Oregon

Objectives: At the conclusion of this session, participants should be able to:

- identify the molecular mechanism of antidepressant action at biogenic amine transporters.

PRESENTATIONS ◇ PUBLICATIONS ◇ CONGRATULATIONS


- **Presentation:** P. T. Nguyen, Ph.D., S. Chao, I. Chang, & P.C. Ledbetter, gave a panel presentation, “Asian American Mental Health,” sponsored by the Asian Pacific American Student Alliance at Rice University as part of Asian American Heritage and Cultural Month, in Houston, October 2015.

- **Presentation:** P.T. Nguyen, Ph.D. presented, “Culturally-Sensitive Psychological Interventions with Immigrants and Refugees,” at the University of Houston-Clear Lake Student Counseling Center as part of Psychology Training Program’s Diversity Lecture Series, in Clear Lake, October 2015.

- **Media:** Richard Pesikoff, M.D. was interviewed for a Fox Channel 26 news segment, “Eating Disorders In Men,” which will air at 9:00 PM on Sunday, November 8, 2015.
PRESENTATIONS ◇ PUBLICATIONS ◇ CONGRATULATIONS, cont’d


- **Publications**: The following articles were published in Emergency Medicine Clinics, Volume 33, Issue 4, pgs. 21-900, *Psychiatric and Behavioral Emergencies*, November 2015:
  - Dick C. Kuo, M.D., Mina Tran, M.D., Asim A. Shah, M.D., & Anu Matorin, M.D.: Depression and the Suicidal Patient.
  - Nathan Gold Allen, M.D., Jeffrey Steven Khan, M.D., Mohammad Shami Alzahri, M.D., & Andrea Gail Stolar, M.D.: Ethical Issues in Emergency Psychiatry.
  - Sara Andrabi, M.D., Spencer Greene, M.D., Nidal Moukaddam, M.D., Ph.D. & Benjamin Li, M.D.: New Drugs of Abuse and Withdrawal Syndromes.
  - Veronica Tucci, M.D., J.D., Kaylin Siever, M.D., Anu Matorin, M.D., & Nidal Moukaddam, M.D., Ph.D.: Down the Rabbit Hole: Emergency Department Medical Clearance of Patients with Psychiatric or Behavioral Emergencies.
  - Nathan Deal, M.D., Michelle Hong, M.D, PharmD., Anu Matorin, M.D., & Asim A. Shah, M.D.: Stabilization and Management of the Acutely Agitated or Psychotic Patient.
  - Ebelechukwu A. Odiari, M.D., Navdeep Sekhon, M.D., Jin Y. Han, M.D., & Elizabeth H. David, M.D.: Stabilizing and Managing Patients with Altered Mental Status and Delirium.
Ongoing Mentoring Efforts

The Department is making efforts to facilitate mentoring for junior faculty. Below is a list of organized ongoing efforts:

A. Early Career Faculty Liaison  Dr. Mariella Self, mmself@texaschildrens.org.
Any early career faculty member in our Department (Psychology, Psychiatry, and Social Work) is welcome to contact Mariella Self for assistance with mentoring or resource needs.

B. Texas Regional Psychiatry-Psychology Minority Mentor Network-TRPMMN Director of TRPMMN, Dr. Toi Harris toih@bcm.edu (BCM), and Assistant Director, Kathy Scott-Gurnell kathy.scott-gurnell@uth.tmc.edu; (UTHSC-H).
Multiple faculty members from BCM, UTHSC-H and the community are actively involved in the planning and implementation of events.

The TRPMMN was established in 2007 as a regional extension of the American Psychiatric Association's (APA) National Minority Fellowship Program. APA's Office of National and Minority Affairs, Baylor College of Medicine, the University of Texas-Health Science Center, national and community partners have joined to participate in this collaborative effort. The goals are three-fold: 1) To create educational, mentoring, and career opportunities for members of underserved or underrepresented groups; 2) To support programming that assists with the reduction of mental health disparities; and 3) To promote the acquisition of cultural competency in all areas of medical education.

This network provides small-group mentoring for junior faculty, residents, and medical students. Sponsored activities include mentor dinners, a fall retreat with skills training and networking opportunities, cultural competence educational and outreach activities, recommendations for department activities (e.g., Grand Rounds speakers), and recruitment, retention and promotion efforts throughout the year.

C. Houston Women’s Psychiatry Group-HWP (Faculty Advisors: Dr. Toi Harris toih@bcm.edu, Dr. Alice Mao amao@bcm.edu, and Dr. Anu Matorin matorin@bcm.edu (BCM Faculty Advisors) and Dr. Sherri Simpson sherri.simpson@uth.tmc.edu and Dr. Katherine Cowan katherine.a.cowan@uth.tmc.edu (UTHSC-H Faculty Advisors)

In 2006, the Houston Women's Psychiatry Group was established by women resident leaders (Nathalie Marie, M.D., Lindsay Raymer, M.D., Rhoda Seplowitz, M.D., Robbie Wright, M.D., Valdesha Ball, M.D., Chanda Myers-Elder, M.D., Ayanna Brown, M.D., Sherri Simpson, M.D. and Rebecca Farinas, M.D.) and faculty advisors from Baylor College of Medicine and the University of Texas Health Science Center-Houston. This group meets quarterly, and their objectives include addressing issues pertaining to careers in psychiatry, balance of professional and personal demands, and leadership in academic and non-academic settings. Group mentorship and informal individual mentor relationships have resulted in scholarly contributions, career guidance and support. Liaisons with organized psychiatry organizations such as the Association of Women Psychiatrists and the American Psychiatric Association are underway.

D. Department Research Committee (Chair, Dr. Tom Kosten, kosten@bcm.edu; Co-Chair: Dr. Melinda Stanley, mstanley@bcm.edu)
This committee continues to pair early career faculty who are interested in research with senior mentors who have related expertise. Any junior faculty member who is interested in getting more involved in research may contact Drs. Kosten or Stanley.

E. Faculty Appointments and Promotions Committee (Chair: Dr. John Oldham, joldham@bcm.edu)
As part of the annual review process in fall 2007, faculty was queried with regard to mentorship. On the Annual Review Form, junior faculty was asked to indicate whether or not they consider someone in the Department to be a mentor. Senior faculty was asked to name any faculty for whom they provide mentoring. A list of these pairs has been created. In addition, during the annual review of faculty and appointment of new faculty, this Committee is working to identify potential mentor pairs.

F. FHSR Seminars (Dr. Geri Adler, jadler@bcm.edu)
The Thursday Seminars are designed to enhance the training experiences of Center-affiliated trainees. The weekly seminar series are especially focused on their needs and interests. The series includes three distinct formats: foundations in health service research, career development topics and fellow-led forums. The series are available September through May.
Psychiatry Faculty Funded Research

**Million Veteran Program: A Partnership With Veterans**
Dates: 06/03/2011 – 06/03/2016
PI: Rayan K. Al Jurdi, M.D.
Sponsor: Department of Veterans Affairs
E-mail: rayan.aljrdi@va.gov

**MEMRI-TBI-D Study: Multicenter Evaluation of Memory Remediation After Traumatic Brain Injury with Donepezil**
Dates: 10/01/2013 – 09/30/2018
PI: David B. Arciniegas, M.D.
Sponsor: Department of Education/NIDRR
Email: david.arciniegas@bcm.edu

**Texas TBI Model System of TIRR**
Dates: 10/01/2012 – 09/30/2017
Co-I/Medical Director: David B. Arciniegas, M.D.
Sponsor: NIDRR
Email: david.arciniegas@bcm.edu

**Indole Production by Gut Bacteria and Neurovegetative Symptoms of Depression**
Dates: 09/15/2015 – 09/14/2017
PI: Chadi A. Calarge, M.D.
Sponsor: NARSAD
Email: chadi.calarge@bcm.edu

**Inpatient & Outpatient Evaluation: Effects of E-cigarettes in Nicotine-Dependent Cigarette Smokers**
Dates: 07/01/2014 – 06/30/2016
Overall PI: C. Kent Osborne, M.D.
Project PI: Richard De La Garza, Ph.D.
Co-I: Ramiro Salas, Ph.D.
Co-I: Jin Yoon, Ph.D.
Sponsor: NCI
Email: rg12@bcm.edu; rsalas@bcm.edu; jin.ho.yoon@uth.tmc.edu

**Integration of Peer Support Across the PTSD Continuum of Care**
Dates: 10/01/2015 – 9/30/2020
PI: Natalie Hundt, Ph.D.
Sponsor: VA HSR&D
Email: natalie.hundt@va.gov

**Human Methamphetamine Vaccine: Translational Avante Garde Award**
Dates: 09/30/2011 – 08/31/2016
PI: Thomas R. Kosten, M.D.
Sponsor: National Institute on Drug Abuse
Email: kosten@bcm.edu

**Agression Prevention Training for Caregivers of Persons with Dementia**
Dates: 09/03/2014 – 06/30/2019
PI: Mark E. Kunik, M.D.
Sponsor: NIH/NINR
Email: mkunik@bcm.edu

**Double-Blind, Placebo-Controlled Trial of Ketamine Therapy in Treatment-Resistant Depression (TRD)**
Dates: 09/12/2013 – 03/11/2016
PI: Sanjay Mathew, M.D.
Sponsor: NIMH
Email: sjmathew@bcm.edu

**An Exploratory, Multicenter, Single-Blind, Fmri Study of Fixed Dose Brexiprazole (OPC-34712) (2 mg/day tablets) as an Adjunctive Treatment in Adults With Major Depressive Disorder and Irritability**
Dates: 08/01/2015 – 08/01/2016
PI: Sanjay Mathew, M.D.
Sponsor: Otsuka Pharmaceutical Co., Ltd.
Email: sjmathew@bcm.edu

**A Double-Blind, Placebo-Controlled, Multicenter Study of Sirukumab as Adjunctive Treatment to a Monoaminergic Antidepressant in Adults with Major Depressive Disorder**
Dates: 11/15/2015 0 11/15/2016
PI: Sanjay Mathew, M.D.
Sponsor: Janssen Research & Development
Email: sjmathew@bcm.edu

**A Phase 2a Study to Evaluate the Kappa Opioid Receptor as a Target for the Treatment of Mood and Anxiety Spectrum Disorders by Evaluation of Whether LY2456302 Engages Key Neural Circuitry Related to the Hedonic Response”**
PI: Sanjay Mathew, M.D.
Sponsor: NIMH
Email: sjmathew@bcm.edu

**Triple Re-uptake Inhibitor, SKL 10406, as a New Treatment for Alcohol Dependence**
Dates: 09/21/2015 – 09/20/2017
PI: Thomas Newton, M.D.
Sponsor: Medications Discovery Texas, Inc.
Email: tnewton@bcm.edu
Complementary Combination Therapy for Cocaine Dependence
Dates: 05/01/2015 - 04/30/2018
PI: Thomas Newton, M.D.
Sponsor: NIH
Email: tnewton@bcm.edu

Clinical Research Education for Drug Abuse Professionals
Dates: 03/01/2011 – 02/29/2016
PI: Thomas Newton, M.D.
Sponsor: NIDA
Email: tnewton@bcm.edu

The Role of the Reward System in Suicidal Ideation and Behavior
Dates: 10/2015 – 09/2017
PI: Ramiro Salas, Ph.D.
Sponsor: American Society of Suicide Prevention
Email: rsalas@bcm.edu

Multimodal Imaging of Reward Brain Centers in Tobacco Smoking Veterans
Dates: 09/01/2014 – 08/31/2017
PI: Ramiro Salas, Ph.D.
Sponsor: Department of Veterans Affairs
Email: rsalas@bcm.edu

A Randomized, Double-Blind, Multicenter, Active-Controlled Study of Intranasal Esketamine Plus an Oral Antidepressant for Relapse Prevention in Treatment-Resistant Depression
Dates: 09/01/2015 – 02/09/2017
PI: Asim A. Shah, M.D.
Co-I: Sanjay Mathew, M.D.
Sponsor: Janssen Research & Development, LLC
Email: aashah@bcm.edu

A Prospective, Longitudinal, Observational Study to Evaluate Potential Predictors of Relapse in Subjects with Major Depressive Disorder Who Have Responded to Antidepressant Treatment
Dates: 02/09/2015 – 02/09/2017
PI: Asim A. Shah, M.D.
Co-I: Sanjay Mathew, M.D.
Sponsor: Janssen Research & Development, LLC
Email: aashah@bcm.edu

A 12-Week, Randomized, Double-Blind, Controlled Evaluation Followed By An Open-Label 12-Week Follow-Up Period Of The Impact of Genesight Psychotropic On Response To Psychotropic Treatment in Outpatients Suffering From A Major Depressive Disorder (MDD) and Having Had-Within the Current Episode—An Inadequate Response To At Least One Psychotropic Medication Included In Genesight Psychotropic
Dates: 07/21/2014 – 07/24/2016
PI: Asim A Shah, M.D.
Sponsor: AssureX Health
Email: aashah@bcm.edu

SD-809-C-23: A Randomized, Double-Blind, Placebo-Controlled, Fixed-Dose Study of SD-809 (Deutetrabenazine) For The Treatment of Moderate To Severe Tardive Dyskinesia
Dates: 10/28/2014 – 10/27/2019
PI: Asim A. Shah, M.D.
Sponsor: Auspex Pharmaceuticals
Email: aashah@bcm.edu

Calmer life: Treating Worry Among Older Adults in Underserved, Low-income, Minority Communities
Dates: 11/01/2014 – 10/31/2017
PI: Melinda Stanley, PhD.
Sponsor: PCORI
Email: mstanley@bcm.edu

Intranasal Oxytocin: A Neuropharmacological Intervention for Maternal Neglect?
Dates: 07/01/2010 – 06/30/2016
PI: Lane Strathearn, M.D., Ph.D.
Sponsor: National Institute of Health
Email: lanes@bcm.edu

Religious/Spiritual Struggle as a Fork in the Road Toward Growth or Decline: Setting the Stage for Healing and Transformation
Dates: 07/01/2013 – 06/30/2016
PI: Ellen Teng, Ph.D.
Sponsor: John Templeton Foundation
Email: eteng@BCM.edu

A Randomized, Double-Blind, Placebo-Controlled Study of the Efficacy, Safety, and Tolerability of STX209 (Arbaclofen) Administered for the Treatment of Social Withdrawal in Adolescents and Adults with Fragile X Syndrome
Dates: 2012-
PI: Diane Treadwell-Deering, M.D.
Sponsor: Seaside
Email: dianet@BCM.edu

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PI: Diane Treadwell-Deering, M.D.
Sponsor: Seaside
Email: dianet@BCM.edu
An Open-Label Extension Study to Evaluate the Safety, Tolerability and Pharmacokinetics of STX209 (Arbaclofen) in Subjects with Fragile X Syndrome
Dates: 2012-
PI: Diane Treadwell-Deering, M.D.
Sponsor: Seaside
E-mail: dianet@bcm.edu

A Randomized, Parallel Group, Double-Blind, Placebo-Controlled, Safety and Exploratory Efficacy and Pharmacokinetic, Study of RO4917523 in Pediatric Patients with Fragile X Syndrome
Dates: 2012-
PI: Diane Treadwell-Deering, M.D.
Sponsor: Roche
E-mail: dianet@bcm.edu

A Randomized, Double-Blind, 12 week, Parallel Group, Placebo-Controlled Study of the Efficacy and Safety of RO4917523 in Patients with Fragile X Syndrome
Dates: 2012-
PI: Diane Treadwell-Deering, M.D.
Sponsor: Roche
E-mail: dianet@bcm.edu

A Randomized, Double-Blind, Placebo-Controlled, Parallel Group Study to Evaluate the Efficacy and Safety of AFQ056 in Adolescent Patients with Fragile X Syndrome
Dates: 2012-
PI: Diane Treadwell-Deering, M.D.
Sponsor: Novartis
E-mail: dianet@bcm.edu

A Randomized, Double-Blind, Placebo-Controlled, Parallel Group Study to Evaluate AFQ056 in Adult Patients with Fragile X Syndrome
Dates: 2012-
PI: Diane Treadwell-Deering, M.D.
Sponsor: Novartis
E-mail: dianet@bcm.edu