

Division Data Summary

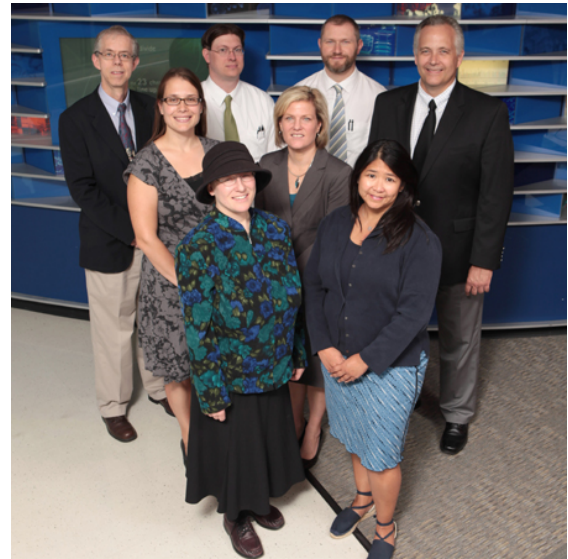
Research and Training Details

Number of Faculty	16
Number of Joint Appointment Faculty	1
Number of Support Personnel	29
Direct Annual Grant Support	\$638,031
Peer Reviewed Publications	20

Clinical Activities and Training

Number of Clinical Staff	48
Number of Other Students	6
Inpatient Encounters	18,748
Outpatient Encounters	24,658

Division Photo



Row 1: E Harris, S Sampang
 Row 2: S Batsel-Thomas, C Engel
 Row 3: S Delgado, M Johnson, D Vogel, M Sorter

Significant Publications

Barzman DH, Brackenbury L, et al. **Brief Rating of Aggression by Children and Adolescents (BRACHA): Development of a Tool for Assessing Risk of Inpatients' Aggressive Behavior.** 2011.

This study evaluated a rating system of aggression in children and adolescents. An instrument utilized to accurately screen children at risk for aggressive acts while hospitalized on inpatient psychiatric units, allowing appropriate treatment planning and enhanced safety.

Strawn JR, Keeshin BR, et al. **Psychopharmacologic treatment of posttraumatic stress disorder in children and adolescents: a review.** 2010.

This is a comprehensive review of the use of psychopharmacologic agents to treat posttraumatic stress disorder in children and adolescents and identified future research directions.

We SW, **Harris E**, et al. **Tic suppression: the medical model.** 2010.

This manuscript identifies best practice treatments in the medication management of tics, as well as the role of deep brain stimulation and transcranial magnetic stimulation.

Pfeifer JC, Kowatch RA, et al. **Pharmacotherapy of bipolar disorder in children and adolescents: recent progress.** 2010.

Systematic review of treatment options for bipolar disorder in children and adolescents with best evidence recommendations.

Strakowski SM, Eliassen JC, et al. **Functional magnetic resonance imaging brain activation in bipolar mania: evidence for disruption of the ventrolateral prefrontal-amygdala emotional pathway.** 2010.

Functional MRI was used to demonstrate blunted brain response to emotional cues throughout the

ventrolateral pre-frontal emotional arousal network, which may contribute to mood dysregulation of bipolar disorder.

Division Collaboration

Neurology » David Franz & Tracy Glauser

Tuberous Sclerosis Clinic, Pharmacogenetics, Seizure therapies

Adolescent Medicine » Frank Biro & Laurie Mitan

Mental Health Treatment Clinic in Adolescent Medicine Center and Eating Disorders

DDBP » DAVID Schonfeld, Patricia Manning, RENA Sorensen -Burnworth, Michael Lind

Center for School Crisis and Bereavement; Kelly O'Leary Center/Autism Treatment, Comorbid Intellectual Disability and Mental Illness Services

Pediatric Primary Care » Zeina Samaan & Melissa Klein

Mental Health Consultation

Behavioral Medicine and Clinical Psychology » Lori Stark & Jeff Epstein

ADHD Consultations to Pediatricians

Hematology/Oncology » John Perentesis

Specialized Consultation Service

Pediatric Endocrinology » Larry Dolan & David Klein

Management of Atypical Antipsychotic/Metabolic Syndrome

Human Genetics » Howard Saal

Velocardio Facial Syndrome

Mayerson Center » Frank Putnam

Trauma Treatment and Clinic

Faculty Members

Michael Sorter, MD, Associate Professor

Director, Division of Psychiatry

Research Interests

Drew Barzman, MD, Assistant Professor

Director of Child & Adolescent Forensic Psychiatry Service

Research Interests

Sandra Batsel-Thomas, MD, Assistant Professor

Research Interests

Cynthia Daugherty, MD, Assistant Professor

Research Interests

Sergio Delgado, MD, Associate Professor

Director of Outpatient Services

Research Interests

Carol Engel, MD, Assistant Professor

Residency Training Director, Triple Board Program

Research Interests

Elana Harris, MD, Assistant Professor

Research Interests

Mark Johnson, MD, Assistant Professor

Research Interests

Velissarios Karacostas, MD, Assistant Professor

Director of Consultation Services

Research Interests

Robert Kowatch, MD, Professor

Director of Mood Disorders Clinic

Research Interests

Mary Matias-Akhtar, MD, Assistant Professor

Research Interests

Daniel Nelson, MD, Associate Professor

Director of Inpatient Services

Research Interests

Hilton Rodriguez, MD, Assistant Professor

Research Interests

Suzanne Sampang, MD, Assistant Professor

Residency Training Director, Child & Adolescent Psychiatry

Research Interests

Raymond Troy, MD, Assistant Professor

Research Interests

Daniel Vogel, MD, Assistant Professor

Research Interests

Joint Appointment Faculty Members

Melissa DelBello, MD, Associate Professor

Psychiatry

Trainees

- Kristen Baus, MD, PGY 5, Ohio State University College of Medicine
- Chinwe Erike, MD, PGY 5, School of Medicine at Stony Brook
- Justus Kam, MD, PGY 5, Emory University
- Loretta Sonnier, MD, PGY 5, Louisiana State University
- Rokeya Tasnin, MD, PGY 5, Dhaka Medical College, Chaka, Bangladesh
- Michael Cannon, MD, PGY 5, Miami University College of Medicine
- Heather Adams, MD, PGY 4, Chicago College of Osteopathic Medicine
- Jennifer Bowden, MD, PGY 4, Michigan State University
- Cathy Southammakosane, MD, PGY 4, George Washington University
- Mercedes Dullum, MD, PGY 3, Georgetown University
- Lindsay Schotts, MD, PGY 3, University of Missouri - Columbia
- Elizabeth Wassanaar, MD, PGY 3, Jefferson Medical College of Thomas Jefferson University
- Diana Frey, MD, PGY 2, Mayo Medical School

- Delanie Janke, MD, PGY 2, University of Texas Medical Branch
- Ernest Pedapati, MD, PGY 2, University of Massachusetts Medical School
- Courtney Cinko, MD, PGY 1, Rush Medical College

Significant Accomplishments

Improving Outcomes for Abused Children

Child abuse leads to young people with severe deficits in emotional, physical and cognitive functioning. The Therapeutic Interagency Preschool Program, a special education mental health and Head Start program, works with young victims of severe abuse to stabilize/improve their safety, social and emotional development, school readiness and family stability. This interdisciplinary treatment service is able to understand the unique mental health and developmental needs of this high-risk population of children and their families, and enables parents, guardians, case workers, child advocates, therapists, early childhood educators and child care providers to better provide for the appropriate developmental and therapeutic services necessary for these vulnerable individuals. This results in improvement of the child's chances of fulfilling his or her personal developmental potential by reducing the impact of trauma and increasing family stability. This program has demonstrated best-practice evidence and shows significant reduction of cognitive and developmental difficulties. The preschool program, led by Jane Sites, EdD, LSW, has demonstrated outcome data that includes reduction in the number of children in foster care, significant improvements in speech, language development, social skills and self-control and reduced problematic behaviors.

Improving Access to Care through Improved Consultation

The demand for child and adolescent mental health services continues to increase. Over half of children in our nation who suffer with psychiatric conditions do not receive adequate care. Primary care physicians, and especially pediatricians, are increasingly providing psychiatric evaluations and treatment. To enhance these services, division director Michael Sorter, MD, and his team have worked with other Ohio children's hospitals and the Ohio Department of Mental Health to develop the Pediatric Psychiatry Network. This is a real-time phone consultation service available to all primary care physicians in the state. Primary care physicians are able to reach a child and adolescent psychiatrist within minutes to discuss assessment techniques and treatment options. Consultations have been provided in the majority of Ohio counties, with requests growing continuously. This program has placed Ohio in a national leadership role of psychiatric consultation to primary care.

Specialized Treatments for Psychiatric and Intellectual Disabilities

Intellectual disabilities, such as mental retardation, are frequently associated with mental health difficulties and often complicate attempts to recover from acute psychiatric illness. To address these difficulties, the Division of Child Psychiatry has developed a specialized psychiatric inpatient service that addresses the complicated needs of these dual diagnosis patients. Applied behavioral analysis (ABA) is a best-evidence based approach for treatment of disruptive and self-injurious behavior for patients with developmental disorders. Through integration of ABA with advanced psychiatric care, these patients are able to have enhanced outcomes, rapid stabilization and integration into community care. This 10-bed unit is unique in the region and has served more than 300 children in the past year. Clinical efforts are led by Hilton Rodriguez, MD, Division of Psychiatry, and Michael Lind, PhD, Division of Developmental Disabilities and Behavioral Pediatrics. The leaders of this multidisciplinary team have enhanced our care of this challenging population and filled a large gap in the care of these children and families.

Division Publications

1. Barzman DH, Brackenbury L, Sonnier L, Schnell B, Cassedy A, Salisbury S, Sorter M, Mossman D. **Brief Rating of Aggression by Children and Adolescents (BRACHA): Development of a Tool for Assessing Risk of Inpatients' Aggressive Behavior.** *J Am Acad Psychiatry Law.* 2011; 39:170-9.
2. Barzman DH, Patel A, Sonnier L, Strawn JR. **Neuroendocrine aspects of pediatric aggression: Can hormone measures be clinically useful?** *Neuropsychiatr Dis Treat.* 2010; 6:691-7.
3. Delgado SV, Wassenaar E, Strawn JR. **Does your patient have a psychiatric illness or nonverbal learning disorder?** *Current Psychiatry.* 2011; 10:17-35.
4. Findling RL, Kafantaris V, Pavuluri M, McNamara NK, McClellan J, Frazier JA, Sikich L, Kowatch R, Lingler J, Faber J, Rowles BM, Clemons TE, Taylor-Zapata P. **Dosing strategies for lithium monotherapy in children and adolescents with bipolar I disorder.** *J Child Adolesc Psychopharmacol.* 2011; 21:195-205.
5. Findling RL, Landersdorfer CB, Kafantaris V, Pavuluri M, McNamara NK, McClellan J, Frazier JA, Sikich L, Kowatch R, Lingler J, Faber J, Taylor-Zapata P, Jusko WJ. **First-dose pharmacokinetics of lithium carbonate in children and adolescents.** *J Clin Psychopharmacol.* 2010; 30:404-10.
6. Findling RL, Youngstrom EA, Fristad MA, Birmaher B, Kowatch RA, Arnold LE, Frazier TW, Axelson D, Ryan N, Demeter CA, Gill MK, Fields B, Depew J, Kennedy SM, Marsh L, Rowles BM, Horwitz SM. **Characteristics of children with elevated symptoms of mania: the Longitudinal Assessment of Manic Symptoms (LAMS) study.** *J Clin Psychiatry.* 2010; 71:1664-72.
7. Fleck DE, Eliassen JC, Durling M, Lamy M, Adler CM, Delbello MP, Shear PK, Cerullo MA, Lee JH, Strakowski SM. **Functional MRI of sustained attention in bipolar mania.** *Mol Psychiatry.* 2010; .
8. Frazier TW, Youngstrom EA, McCue Horwitz S, Demeter CA, Fristad MA, Arnold LE, Birmaher B, Kowatch RA, Axelson D, Ryan N, Gill MK, Findling RL. **Relationship of persistent manic symptoms to the diagnosis of pediatric bipolar spectrum disorders.** *J Clin Psychiatry.* 2011; 72:846-53.
9. Horwitz SM, Demeter CA, Pagano ME, Youngstrom EA, Fristad MA, Arnold LE, Birmaher B, Gill MK, Axelson D, Kowatch RA, Frazier TW, Findling RL. **Longitudinal Assessment of Manic Symptoms (LAMS) study: background, design, and initial screening results.** *J Clin Psychiatry.* 2010; 71:1511-7.
10. Khan A SJ, Croarkin PE. **Emerging treatment options in bipolar disorder in adolescents: Focus on ziprasidone.** *Adolescent Health, Medicine and Therapeutics.* 2010; 1:137-143.
11. Kowatch RA, Monroe E, Delgado SV. **Not all mood swings are bipolar disorder.** *Current Psychiatry.* 2011; 10:38-52.
12. List BA, Barzman DH. **Evidence-based recommendations for the treatment of aggression in pediatric patients with attention deficit hyperactivity disorder.** *Psychiatr Q.* 2011; 82:33-42.
13. McNamara RK, Nandagopal JJ, Strakowski SM, DelBello MP. **Preventative strategies for early-onset bipolar disorder: towards a clinical staging model.** *CNS Drugs.* 2010; 24:983-96.
14. Mendenhall AN, Demeter C, Findling RL, Frazier TW, Fristad MA, Youngstrom EA, Arnold LE, Birmaher B, Gill MK, Axelson D, Kowatch RA, Horwitz SM. **Mental Health Service Use by Children With Serious Emotional and Behavioral Disturbance: Results From the LAMS Study.** *Psychiatr Serv.* 2011; 62:650-8.
15. Pfeifer JC, Kowatch RA, DelBello MP. **Pharmacotherapy of bipolar disorder in children and adolescents: recent progress.** *CNS Drugs.* 2010; 24:575-93.
16. Sonnier L, Barzman D. **Pharmacologic management of acutely agitated pediatric patients.** *Paediatr Drugs.* 2011; 13:1-10.
17. Strakowski SM, Eliassen JC, Lamy M, Cerullo MA, Allendorfer JB, Madore M, Lee JH, Welge JA, DelBello MP, Fleck DE, Adler CM. **Functional magnetic resonance imaging brain activation in bipolar mania: evidence for disruption of the ventrolateral prefrontal-amygdala emotional pathway.** *Biol Psychiatry.*

2011; 69:381-8.

18. Strawn JR, Keeshin BR, DelBello MP, Geraciotti TD, Jr., Putnam FW. **Psychopharmacologic treatment of posttraumatic stress disorder in children and adolescents: a review**. *J Clin Psychiatry*. 2010; 71:932-41.
19. Strawn JR, Pyne-Geithman GJ, Ekhtator NN, Horn PS, Uhde TW, Shutter LA, Baker DG, Geraciotti TD, Jr.. **Low cerebrospinal fluid and plasma orexin-A (hypocretin-1) concentrations in combat-related posttraumatic stress disorder**. *Psychoneuroendocrinology*. 2010; 35:1001-7.
20. Wu SW, Harris E, Gilbert DL. **Tic suppression: the medical model**. *J Child Adolesc Psychopharmacol*. 2010; 20:263-76.

Grants, Contracts, and Industry Agreements

Grant and Contract Awards	Annual Direct / Project Period Direct
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BARZMAN, D

Salivary Hormones and Pediatric Aggression and Violence: A Feasibility Study

AAPL Institute for Education and Research

12/01/10-11/30/11

\$15,000

KOWATCH, R

Longitudinal Assessment of Manic Symptoms (LAMS)

National Institutes of Health

R01 MH 073816

07/01/10-06/30/15

\$570,497

PODS: Lithium in the Treatment of Pediatric Mania

National Institutes of Health(Case Western University)

07/01/10-06/30/11

\$2,534

Improved Diagnosis and Treatment of Pediatric Mood Disorders through Integrated Clinical Genomics

The Oxley Foundation

03/01/2009-02/28/2012

\$50,000

Current Year Direct

\$638,031

Total

\$638,031