

Psychiatry

Division Photo



SITTING: Sergio Delgado, MD; Michael Sorter, MD; Daniel Nelson, MD STANDING: Raymond Troy, MD; Sandra Batsel-Thomas, MD; Robert Kowatch, MD; Mark Johnson, MD; Daniel Vogel, MD; Velissarios Karacostas, MD; Suzanne Sampang, MD; Mary Matias-Akhtar, MD

Division Data Summary

Research and Training Details		
Number of Faculty	16	
Number of Joint Appointment Faculty	3	
Number of Support Personnel	27	
Direct Annual Grant Support	\$847,598	
Direct Annual Industry Support	\$25,320	
Peer Reviewed Publications	19	
Clinical Activities and Training		
Number of Clinical Staff	29	
Number of Clinical Fellows	6	
Number of Other Students	85	
Inpatient Encounters	19,666	
Outpatient Encounters	14,884	

Significant Publications

Jarvis, K., M.P. DelBello, et al. (2008). "Neuroanatomic comparison of bipolar adolescents with and without cannabis use disorders."

Bipolar adolescents with CUD demonstrate evidence of greater structural abnormalities than adolescents with bipolar disorder alone.

Pestian, J., P. Matykiewicz, et al. (2008). "Using natural language processing to classify suicide notes."

This is an important first step in developing an evidence based suicide predictor for emergency department use.

Pfeifer, J.C., J. Welge, et al., (2008). "Meta-analysis of amygdala volumes in children and adolescents with bipolar disorder."

Results suggest that structural amygdala abnormalities are present in bipolar youths, but that these do not seem to present in bipolar adults.

Division Highlights

Elana Harris, M.D.

Anxiety disorders, ranging from a simple Adjustment Disorder to more difficult and debilitating disorders such as Posttraumatic Stress Disorder and Obsessive Compulsive Disorder are the most prevalent childhood disorders. Although very prevalent, anxiety disorders in children often are overlooked or misjudged, despite them being treatable conditions with good, persistent medical care.

Dr. Elana Harris, M.D., Ph.D. is a child and adolescent psychiatrist who joined the CCHMC Psychiatry faculty in October 2008, with a research interest in pediatric anxiety disorders. In the past year, Dr. Harris has developed programs that specialize in caring for children with anxiety disorders, selective mutism, and Tourette's Disorder.

To date, Dr. Harris has developed five new research protocols to explore the neurobiology and treatment of anxiety disorders and Tourettes's Syndrome. One of these projects is a treatment protocol using transcranial magnetic stimulation (TMS) to explore the neuroplasticity of the brain in children with Obsessive Compulsive Disorder (OCD). Transcranial magnetic stimulation (TMS) is a noninvasive method to excite neurons in the brain: weak electric currents are induced in the brain by rapidly changing magnetic fields (electromagnetic induction) caused by magnetic coils placed on the scalp. TMS can be used to trigger brain activity with minimal discomfort, and the functionality of the circuitry and connectivity of the brain can be studied.

The aim of Dr. Harris's TMS study is to develop a new treatment modality for patients with treatment-resistant OCD, and to learn about the neural circuitry that underlies OCD.

Division Collaboration

Collaboration with Neurology; Adolescent Medicine; DDBP; Pediatric Primary Care; Behavioral Medicine and Clinical Psychology; Hematology/Oncology; Pediatric Endocrinology

Collaborating Faculty: David Franz and Tracy Glauser; Frank Biro and Laurie Mitan; David Schonfeld and Patricia Manning; Zeina Samaan and Melissa Klein; Lori Stark and Jeff Epstein; John Perentesis; David Repaske and Larry Dolan

Tuberous Sclerosis Clinic; Pharmacogenetics; Mental Health Treatment Clinic in Adolescent Medicine Center; Center for School Crisis and Bereavement; Kelly O'Leary Center/Autism Treatment; Psychiatric Consultation to Primary Care Physician; ADHD Collaborative; Specialized Consultation Service

Faculty Members

Michael Sorter, MD, Associate Professor; Director, Division of Psychiatry

Drew Barzman, MD, Assistant Professor; Director of Child & Adolescent Forensic Psychiatry Service

Sandra Batsel-Thomas, MD, Assistant Professor

Sergio Delgado, MD, Associate Professor; Director of Outpatient Services

Carol Engel, MD, Assistant Professor

Elana Harris, MD, Assistant Professor

Mark Johnson, MD, Assistant Professor

Velissarios Karacostas, MD, Assistant Professor; Director of Consultation Services

Robert Kowatch, MD, Professor; Director of Mood Disorders Clinic

Mary Matias-Akhtar, MD, Assistant Professor

Daniel Nelson, MD, Associate Professor; Director of Inpatient Services

Hilton Rodriguez, MD, Assistant Professor

Suzanne Sampang, MD, Assistant Professor; Residency Training Director, Child & Adolescent Psychiatry

Stamatakos Maria, MD, Assistant Professor

Raymond Troy, MD, Assistant Professor; Residency Training Director, Triple Board Program

Daniel Vogel, MD, Assistant Professor

Joint Appointment Faculty Members

Melissa DelBello, MD, Associate Professor Clinical Psychiatry

Brian McConville, MD, Professor Psychiatry

Jayasree Nandagopal, **MD**, Assistant Professor Psychiatry

Trainees

- Susan Kuschnir, MD, PGY 5, University of Cincinnati
- Jonathan Pfeifer, MD, PGY 5, University of Cincinnati
- J. Chris Reed, MD, PGY 5, Wake Forest University Baptist Medical Center
- o Andrea Ribier, MD, PGY 5, University of Michigan
- Julie Alonso-Katzowitz, MD, PGY 4, Vanderbilt University
- William Taft, MD, PGY 4, Washington University in St. Louis
- Rabindra Tambyraja, MD, PGY 4, Case Western Reserve University
- · Heather Dlugosz, MD, PGY 4, University of Cincinnati
- Jeffrey Strawn, MD, PGY 4, University of Cincinnati
- o Thuhuong Vu, MD, PGY 4, University of Cincinnati
- o Chinwe Erike, MD, PGY 3, School of Medicine at Stony Brook
- Justus Kam, MD, PGY 3, Emory University
- · Loretta Sonnier, MD, PGY 3, Louisiana State University
- Heather Adams, MD, PGY 2, Chicago College of Osteopathic Medicine
- Jennifer Bowden, MD, PGY 2, Michigan State University
- Cathy Southammakosane, MD, PGY 2, George Washington University
- Mercedes Dullum, MD, PGY 1, Georgetown University
- · Lindsay Schotts, MD, PGY 1, University of Missouri Columbia
- Elizabeth Wassanaar, MD, PGY 1, Jefferson Medical College of Thomas Jefferson University

Significant Accomplishments

Expansion of Psychiatric Emergency Services to Liberty Township

As CCHMC has expanded services to Liberty Township, Psychiatry has increased its' emergency psychiatric services to the Butler County community. The Psychiatric Intake Response Center in the Division of Child and Adolescent Psychiatry is the largest mental health assessment center for children and adolescents in the tri-state region, evaluating over 4,000 children in the emergency room and handling greater than 10,000 calls for service per year. A branch of this service has been expanded to the Liberty Township emergency department. Since Liberty's opening in August of 2008, the psychiatric social workers in the Response Center have completed 491 psychiatric evaluations. These social workers also provide support services for the medical teams at Liberty Township and also provide assessment, triage, and initial treatment for children who have suffered from physical trauma or abuse. To meet the ever-growing demand, there are now 6 full-time social workers providing psychiatric consultation services at the Liberty campus, and we expect this number to increase as the Liberty campus expands.

Post-Traumatic Healing Center [The Healing Center] Division of Psychiatry/ CCHMC

Maltreatment of children is a major health concern throughout the United States and in the Tri-state region, causing life altering deficits in physical, social, and psychological development. With the financial support from The Health Foundation of Greater Cincinnati's Youth Behavioral Health Initiate, CCHMC Division of Psychiatry developed the Post-Traumatic Healing Center which provides effective evidence-based services to respond to the needs of our traumatized

youth, the first such center in the region. This clinic uses Trauma-Focused Cognitive Behavioral Therapy (TF-CBT) as its primary mode of treatment. TF-CBT is evidence based psychotherapeutic intervention designed to help children, youth, and their care givers overcome the negative effects of traumatic life events, such as child sexual abuse, physical abuse, traumatic loss of a loved one, violence, exposure to disasters, and other emotional or physical trauma. The Healing Center services range from group, individual, parent, and family psychotherapies, and psychopharmacologic management. The Center's clinical outcome data is focused on returning identified patients to a normal developmental pathway by: (1) diminishing trauma symptoms severity that interferes with daily functioning; (2) identifying co-morbidities and associated developmental challenges, with resulting appropriate management; and (3) increasing the families' understanding of the trauma and overall improvement of family functioning. With the Youth Behavioral Health Initiative's support, CCHMC has established a comprehensive treatment program for childhood trauma at Cincinnati Children's Hospital Medical Center. This type of service is of great need in our region.

Research of Dr. Elana Harris

Anxiety disorders, ranging from a simple Adjustment Disorder to more difficult and debilitating disorders such as Posttraumatic Stress Disorder and Obsessive Compulsive Disorder are the most prevalent childhood disorders. Although very prevalent, anxiety disorders in children often are overlooked or misjudged, despite them being treatable conditions with good, persistent medical care.

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Division Publications

- 1. Brackenbury L, Barzman D, Dunsieth N. <u>Evaluating forensic interviewing of children in sexual abuse cases:</u> <u>guidelines for the forensic psychiatrist</u>. *Am J Forensic Psychiatr.* 2009; 30: 45-61.
- 2. Delgado S, Songer D. "Personality disorders and behavioral disturbances." *More than medication: incorporating psychotherapy into community psychiatry appointments.* Edgemont, PA: Matrix Medical Communications; 2009: 65-76.
- 3. Sites J, Wade TJ, Collopy J, Velilla B, Cayard L, Graft J. Southwest Ohio Early Learning Collaborative: promoting mental health wellness for children ages birth to six. APSAC Advisor. 2009; 21: 21-34.
- 4. Nandagopal JJ, DelBello MP, Kowatch R. <u>Pharmacologic treatment of pediatric bipolar disorder</u>. *Child Adolesc Psychiatr Clin N Am.* 2009; 18: 455-69, x.
- Carlson GA, Findling RL, Post RM, Birmaher B, Blumberg HP, Correll C, DelBello MP, Fristad M, Frazier J, Hammen C, Hinshaw SP, Kowatch R, Leibenluft E, Meyer SE, Pavuluri MN, Wagner KD, Tohen M. <u>AACAP 2006 Research Forum--Advancing research in early-onset bipolar disorder: barriers and suggestions</u>. *J Child Adolesc Psychopharmacol*. 2009; 19: 3-12.
- Redden L, DelBello M, Wagner KD, Wilens TE, Malhotra S, Wozniak P, Vigna NV, Greco N, Kovacs X, Abi-Saab W, Saltarelli M. <u>Long-term safety of divalproex sodium extended-release in children and adolescents with bipolar I disorder</u>. *J Child Adolesc Psychopharmacol*. 2009; 19: 83-9.
- 7. Strakowski SM, Fleck DE, DelBello MP, Adler CM, Shear PK, McElroy SL, Keck PE, Jr., Moss Q, Cerullo MA, Kotwal R, Arndt S. Characterizing impulsivity in mania. Bipolar Disord. 2009; 11: 41-51.
- 8. Perlis RH, Dennehy EB, Miklowitz DJ, Delbello MP, Ostacher M, Calabrese JR, Ametrano RM, Wisniewski SR, Bowden CL, Thase ME, Nierenberg AA, Sachs G. <u>Retrospective age at onset of bipolar disorder and outcome during two-year follow-up: results from the STEP-BD study</u>. *Bipolar Disord*. 2009; 11: 391-400.
- Wagner KD, Redden L, Kowatch RA, Wilens TE, Segal S, Chang K, Wozniak P, Vigna NV, Abi-Saab W, Saltarelli M.
 <u>A double-blind, randomized, placebo-controlled trial of divalproex extended-release in the treatment of bipolar disorder in children and adolescents</u>. *J Am Acad Child Adolesc Psychiatry*. 2009; 48: 519-32.

- 10. Danner S, Fristad MA, Arnold LE, Youngstrom EA, Birmaher B, Horwitz SM, Demeter C, Findling RL, Kowatch RA. <u>Early-Onset Bipolar Spectrum Disorders: Diagnostic Issues</u>. *Clin Child Fam Psychol Rev.* 2009; :
- 11. Findling RL, Frazier JA, Kafantaris V, Kowatch R, McClellan J, Pavuluri M, Sikich L, Hlastala S, Hooper SR, Demeter CA, Bedoya D, Brownstein B, Taylor-Zapata P. <u>The Collaborative Lithium Trials (CoLT): specific aims, methods, and implementation</u>. *Child Adolesc Psychiatry Ment Health.* 2008; 2: 21.
- 12. Pestian J, Matykiewicz P, Grupp-Phelan J, Arszman Lavanier Ma S, Combs J, Kowatch R. **Using natural language processing to classify suicide notes.** *AMIA Annu Symp Proc.* 2008; : 1091.
- 13. Jarvis K, DelBello MP, Mills N, Elman I, Strakowski SM, Adler CM. <u>Neuroanatomic comparison of bipolar adolescents with and without cannabis use disorders</u>. *J Child Adolesc Psychopharmacol*. 2008; 18: 557-63.
- 14. Patel NC, Cecil KM, Strakowski SM, Adler CM, DelBello MP. <u>Neurochemical alterations in adolescent bipolar depression: a proton magnetic resonance spectroscopy pilot study of the prefrontal cortex</u>. *J Child Adolesc Psychopharmacol.* 2008; 18: 623-7.
- 15. Singh MK, DelBello MP, Strakowski SM. <u>Temperament in child offspring of parents with bipolar disorder</u>. *J Child Adolesc Psychopharmacol.* 2008; 18: 589-93.
- 16. Heffner JL, DelBello MP, Fleck DE, Anthenelli RM, Strakowski SM. <u>Cigarette smoking in the early course of bipolar disorder: association with ages-at-onset of alcohol and marijuana use</u>. *Bipolar Disord.* 2008; 10: 838-45.
- 17. Pfeifer JC, Welge J, Strakowski SM, Adler CM, DelBello MP. <u>Meta-analysis of amygdala volumes in children and adolescents with bipolar disorder</u>. *J Am Acad Child Adolesc Psychiatry*. 2008; 47: 1289-98.
- 18. Strakowski SM, Adler CM, Cerullo MA, Eliassen JC, Lamy M, Fleck DE, Lee JH, Delbello MP. MRI brain activation in first-episode bipolar mania during a response inhibition task. Early Interv Psychiatry. 2008; 2: 225-233.
- 19. Strawn JR, Dowling BP, Geracioti TD, Jr.. <u>Pregabalin treatment of posttraumatic stress disorder</u>. *J Clin Psychopharmacol.* 2008; 28: 596-7.

Grants, Contracts, and Industry Agreements

Grant and Contract Awards		Annual Direct / Project Period Direct
KOWATCH, R		
Longitudal Assessment of Manic Sy National Institutes of Health	mptoms	
R01 MH 073816	09/16/05 - 06/30/10	\$279,731 / \$1,379,518
Family-Focused Treatment for Bipol National Institutes of Health	ar Adolescents	
R01 MH 074033	07/01/06 - 04/30/11	\$178,968 / \$971,184
Improved Diagnosis and Treatment The Oxley Foundation	of Pediatric Mood Disorder	
	03/01/09 - 02/28/12	\$200,000 / \$500,000
Controlled Trial of Valproate vs. Que Stanley Foundation	etianbine In Young Children	n
	08/01/03 - 07/15/09	\$30,000 / \$369,990
SORTER, M		
Assessment of Individuals with Dua Ohio Department of Mental Health	l Diagnosis	
	07/01/08 - 12/31/08	\$15,000 / \$15,000
Trauma Focused Cognitive Behavior Greater Cincinnati Health Foundation	ral Therapy Clinic	
	10/1/2008 - 6/30/2009	\$143,899 / \$230,000

Industry Contracts

Kowatch	
Bristol-Myer Squibb	\$ 20,212
GlaxoSmithKline	\$ 5,108

Current Year Direct

\$847,598

Total \$872,918