Division Summary

RESEARCH AND TRAINING DETAILS

<table>
<thead>
<tr>
<th>Number of Faculty</th>
<th>21</th>
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<tr>
<td>Number of Joint Appointment Faculty</td>
<td>3</td>
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<td>Number of Support Personnel</td>
<td>22</td>
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<td>Direct Annual Grant Support</td>
<td>$1,207,981</td>
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<td>Direct Annual Industry Support</td>
<td>$151,581</td>
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<td>Peer Reviewed Publications</td>
<td>34</td>
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CLINICAL ACTIVITIES AND TRAINING

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<thead>
<tr>
<th>Number of Staff Psychiatrists</th>
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<td>Number of Clinical Fellows</td>
<td>19</td>
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<td>Number of Other Students</td>
<td>15</td>
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<tr>
<td>Inpatient Encounters</td>
<td>4,055</td>
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<tr>
<td>Outpatient Encounters</td>
<td>37,436</td>
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Significant Accomplishments

**Lessening the impact of post-traumatic stress**

*Rich Gilman, PhD,* is Director of Clinical Care and Training at the newly established University of Cincinnati (UC) Health Stress Center Program. The center brings together clinicians from UC Health, Cincinnati Children’s and the Cincinnati Veterans Administration Medical Center. They care for families living with post-traumatic stress disorder (PTSD), with the goal of alleviating the impact of PTSD and resuming a healthy life. Established in part by seed money from the Joey Votto Foundation, several clinical trials are underway, including projects funded by the Eunice Kennedy Shriver National Institute of Child Health and Human Development.

**Lowering the risk of self-injury**

Children and adolescents struggling with acute psychiatric disorders frequently pose a serious risk to themselves from self-injury or suicide attempts. Inpatient psychiatric units are high-risk sites for such behaviors. Division-wide efforts to improve safe management of these patients, led by *Michael Sorter, MD; Dan Vogel, MD;* and *Adam Hill, MSN, RN-BC,* have decreased significant self-injury events from near-monthly to no occurrences in more than 700 days and more than 5,000 inpatient admissions. Through performance improvement methodology, they developed better assessment and risk prediction tools to improve care and achieve these safe outcomes for patients.

**OCD research recognized**

Obsessive Compulsive Disorder (OCD) is a neuropsychiatric condition that affects two percent of children worldwide. First-line treatment with cognitive behavior therapy plus medication only leads to remission in half of the children treated. *Elana Harris, MD, PhD,* has initiated a research program to look for a
neurophysiological marker that will predict treatment response in children with OCD, thereby eliminating the need for a trial-and-error approach in the choice of treatment and tailor the treatment to what is best suited for each individual. In recognition of her efforts, the National Institute of Mental Health awarded Harris a Mentored Patient-Oriented Research Career Development Award (K23) that protects her time so that she can hone her skills in magnetoencephalography.

Research Highlights

Craig Erickson, MD, and Logan Wink, MD
In 2013 we demonstrated that acamprosate engaged molecular deficits associated with autism spectrum disorder and fragile X disorder. Specifically, acamprosate was shown to normalize levels of brain derived neurotrophic factor (BDNF) and secreted amyloid precursor protein alpha in the blood of youth with these disorders. Additionally, change in these molecular blood markers correlated with positive clinical treatment response in youth.

Division Publications

12. Erickson CA, Wink LK, Ray B, Early MC, Stieglmeyer E, Mathieu-Frasier L, Patrick V, Lahiri DK,
Major Depressive Disorder and Treatment of Long-Chain Omega-3 Fatty Acid Deficiency in Adolescents with SSRI-Resistant

McNamara RK.


Faculty, Staff, and Trainees

Faculty Members

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

Drew Barzman, MD, Assistant Professor
Leadership Director of Child and Adolescent Forensic Psychiatry Service

Sandra Batsel-Thomas, MD, Assistant Professor

Jennifer Bowden, MD, Assistant Professor

Anthony Cavalieri, MD, Assistant Professor

Cynthia Daugherty, MD, Assistant Professor

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

Carol Engel, MD, Assistant Professor
Leadership Residency Training Director, Triple Board Program

Craig Erickson, MD, Assistant Professor

Richard Gilman, PhD, Professor

Reyna Gilmore, MD, Assistant Professor

Elana Harris, MD, Assistant Professor

Emily Harris, MD, Assistant Professor

Mark Johnson, MD, Assistant Professor

Brian Kurtz, MD, Assistant Professor
Leadership Director of Consultation Services
Mary Matias-Akhtar, MD, Assistant Professor
Daniel Nelson, MD, Associate Professor
  Leadership Director of Inpatient Services
Hilton Rodriguez, MD, Assistant Professor
Suzanne Sampang, MD, Assistant Professor
  Leadership Residency Training Director, Child and Adolescent Psychiatry
Raymond Troy, MD, Assistant Professor
Daniel Vogel, MD, Assistant Professor
Logan Wink, MD, Assistant Professor

Joint Appointment Faculty Members
Melissa DelBello, MD, Associate Professor (Psychiatry)
Jeffrey Strawn, MD, Assistant Professor (Psychiatry)
Brooks Keeshin, MD, Assistant Professor (Psychiatry)

Clinical Staff Members
  • Lindsay Tobler, MD

Trainees
  • Deana McReynolds, DO, PGY 5, Murray State University, Murray KY
  • John Vraciu, DO, PGY 5, Kent State University, Kent OH
  • Daniel Almeida, MD, PGY 4, Universidade Federal Do, Ceara, Brazil
  • Amelia Campos, MD, PGY 4, University of Louisville, Louisville, KY
  • Giuliana Centurion, DO, PGY 4, Nova Southeastern College of Osteopathic Medicine, Ft. Lauderdale, FL
  • Leslie Deckter, MD, PGY 4, University of Cincinnati, Cincinnati, OH
  • Diana Frey, MD, PL 5, Mayo Medical School, Rochester, MN
  • Delanie Janke, MD, PL 5, University of Texas Medical Branch, Galveston, TX
  • Ernest Pedapati, MD, PL 5, University of Massachusetts Medical School, North Worcester, MA
  • Courtney Cinko, MD, PL 4, Rush Medical College, Chicago, IL
  • Paul Houser, MD, PL 4, St. Louis University School of Medicine, St. Louis, MO
  • Kelli Dominick, MD/PhD, PL 3, Boston University School of Medicine
  • Yesie Yoon, MD, PL 3, Yonsei University
  • Sophianne Subbiah, MD, PL 2, University of Iowa School of Medicine, Iowa City, IA
  • Theresa Umhoefer, MD, PL 2, University of Wisconsin School of Medicine and Public Health, Madison, WI
  • Melissa Schuman-Wagner, MD, PL 2, Medical College of Wisconsin, Milwaukee, WI
  • Nina Butler, MD, PL 1, Michigan State University College of Medicine, East Lansing, MI
  • Martine Lamy, MD/PhD, PL 1, University of Cincinnati School of Medicine, Cincinnati, OH
  • Joseph Sin, MD, PL 1, University of Utah, Salt Lake City, UT

Division Collaboration
Tuberous Sclerosis Clinic, Pharmacogenetics (Daniel A. Nelson, MD / Assure Rx; Pharmacogenetics)
  Neurology » David Neal Franz, MD and Tracy Glauser
Mental Health Treatment Clinic in Adolescent Medicine Center and Eating Disorders (Carol Brown Engel, MD)

Adolescent and Transition Medicine » Laurie A. Mitan, MD

Center for School Crisis and Bereavement, Kelly O'Leary Center/Autism Treatment, Comorbid Intellectual Disability and Mental Illness Services. (Daniel A. Nelson, MD; Dr. Schonfeld (Trama); Craig A. Erickson, MD)

Developmental and Behavioral Pediatrics » Patricia Manning-Courtney, MD and Rena J. Sorensen, PhD

Mental Health Consultation. (Emily Harris, MD, MPH)

Pediatric Primary Care » Mona E. Mansour, MD, MS

ADHD Consultations to Pediatricians, Outpatient Care, Inpatient Consultations. (Mark Johnson, MD)

Behavioral Medicine and Clinical Psychology » Lori J. Stark, PhD, ABPP and Jeff N. Epstein, PhD

Specialized Consultation Service. (Mark Johnson, MD)

Oncology » John P. Perentesis, MD, FAAP

Management of Atypical Antipsychotic/Metabolic Syndrome

Endocrinology » Lawrence M. Dolan, MD and David Klein, MD, PhD

Velocardio Facial Syndrome. (Michael T. Sorter, MD; Susan Franer, MSN, CNS)

Human Genetics » Howard M. Saal, MD, FACMG

Trauma Treatment and Clinic. (Daniel A. Nelson, MD / Assure Rx; Pharmacogenetics)

Mayerson Center for Safe and Healthy Children » Robert Allan Shapiro, MD

International Adoption, Consultation for Mental Health Concerns. (Sandra Batsel-Thomas, MD)

Infectious Diseases » Mary Allen Staat, MD, MPH

Outpatient Services and IQ Testing. (Ernest Pedapati, MD, MS; Logan K. Wink, MD)

Behavioral Medicine and Clinical Psychology » Jessica M. McClure, PsyD

ED Study. (Sergio V. Delgado, MD; Linda Richey)

Emergency Medicine » Jacqueline Grupp-Phelan, MD, MPH

Outpatient Neurology Clinic in Mason. (Elana Harris, MD, PhD)

Radiology » Mark DiFrancesco, PhD

MEG Center. (Craig A. Erickson, MD)

Neurology » Jing Xiang, MD, PhD and Douglas F. Rose, MD

Autism Biorepository Project. (Tori Schaefer, PhD)

Biostatistics and Epidemiology » Ping-I (Daniel) Lin, MD, PhD and Katherine A. Bowers, PhD, MPH

Phenotyping of KO Mouse Models. (Tori Schaefer, PhD)

Developmental Biology » Kenneth J. Campbell, PhD
## Grants, Contracts, and Industry Agreements

### Grant and Contract Awards

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<th>Funding Agency</th>
<th>Start Date</th>
<th>End Date</th>
<th>Amount ($)</th>
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<td>Acamprosate in Fragile X Syndrome</td>
<td>The John Merck Fund</td>
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<td>Acamprosate in Youth with Autism Spectrum Disorder</td>
<td>Autism Speaks Grant Administration</td>
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<td>Extracellular Signal-Related Kinase Biomarker Development in Autism</td>
<td>Simons Foundation</td>
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<td>Preclinical Validation of Behavioral, Molecular, and Electrophysiological Effects of Acamprosate in a Mouse Model of Angelman Syndrome</td>
<td>Angelman Syndrome Foundation</td>
<td>10/01/13-09/30/15</td>
<td>$74,210</td>
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<td>Frontal Cortical Gamma Oscillations Mark Contamination Obsessions in Youth</td>
<td>National Institutes of Health</td>
<td>K23 MH 100640</td>
<td>02/15/14-01/31/18</td>
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<td>Longitudinal Assessment of Manic Symptoms (LAMS)</td>
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<td>07/01/10-02/28/15</td>
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<td>Cortical Neuroplasticity in Adolescent Depression</td>
<td>American Academy of Child &amp; Adolescent Psychiatry</td>
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<td>Development of a Novel GABA(A) 2, 3 Agonist in Fragile X Syndrome</td>
<td>FRAXA Research Foundation</td>
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<td><strong>WINK, K</strong></td>
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<td>Phenotyping of the Severely Affected Autism Population</td>
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<td>Industry Contracts</td>
<td>Current Year Direct Receipts</td>
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<td>DELGADO, S Pfizer, Inc</td>
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<td>WINK, L SynapDx</td>
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**Current Year Direct** $1,207,981

**Total** $1,359,562