The Department of Child & Adolescent Psychiatry and Behavioral Sciences

2015 Annual Report

The Children’s Hospital of Philadelphia®
# Table of Contents

- Letter from the Chair 5
- Facts & Figures 6
- Mission 7
- Faculty & Clinical Staff 7
- Historical Data 7
- Leadership, directors & managers 8
- Overview of current clinical programs 9
  - General Psychiatry Outpatient Clinic 9
  - Anxiety Behaviors Clinic (ABC) 9
  - Autism Integrated Care Program 10
  - The Center for Management of ADHD 10
  - Child and Adolescent Mood Program (CHAMP) 10
  - Eating Disorder Program 10
  - Family Stress and Illness Program 11
  - The International Adoption Health Program 11
  - Pediatric Psychology Integrated Program 12
  - Young Child Clinic 12
  - Behavioral Health Integrated Program 13
  - Children’s Intensive Emotional and Behavioral Services 13
  - Neuropsychology and Assessment Service 13
- Overview of current research program 14-15
- Faculty Affairs 16
- Psychiatry Education and Training Programs 17
Post-pediatric Portal Program 17
Psychology Education and Training Programs 18
Psychology Internship Program 18
Clinical Training Track 18
Psychology Fellowship Training Program 19
Psychology Externship Program 19

Appendices
Appendix A: Current Psychiatry Fellows 20
  First year CAP Fellows 20
  Second year CAP Fellows 20
  First year Post-pediatric Portal Program fellows 21
  Third year Post-pediatric Portal Program fellows 21

Appendix B: Current Psychology Trainees 21
  Interns 21
  Fellows 22
  Externs 22

Appendix C: Publications 23
  Research Publications, peer reviewed (print or other media) 23
  Research Publications, peer-reviewed reviews 30
  Research Publications, non-peer reviewed 31
  Abstracts, Peer Reviewed Presentations, and Posters 31
  Editorials, Reviews, Chapters, including participation in committee reports 40
  Books 40
  Alternative Media 41
  Patents and related 42

Appendix D: Grants 43
The 1970s is a time of expansion for Children's Seashore House. They developed an academic affiliation with the University of Pennsylvania to teach residents, fellows, and staff in pediatric disciplines. During this time, Children's Seashore House developed a 12-bed unit at Children's Hospital of Philadelphia, providing premature infants with life-saving treatments. By 1977, CSH contracts with Children's Hospital Philadelphia to act as CHOP's Division of Child Development and Rehabilitation.
Dear Colleagues and Friends,

The Department of Child and Adolescent Psychiatry and Behavioral Sciences at The Children’s Hospital of Philadelphia has enjoyed a remarkable year in 2015. Building upon our tradition of excellence as the first children’s hospital in the United States and University of Pennsylvania Psychiatry’s history as the first department of psychiatry in the U.S., we lead the nation in healthcare for children, education for the next generation of mental health professionals and scientific discovery. Our tradition of innovation in children’s mental health, beginning with the Philadelphia Child Guidance Center many years ago, has grown into a department of more than 200 clinicians, educators and researchers.

In 2015, we focused upon increasing access, efficiency, effectiveness and safety of children’s behavioral healthcare. We’ve streamlined intake processes in the inpatient and outpatient setting, recruited new clinicians, and trained our clinicians to provide state-of-the-art evidence-based treatments. As you will see, we experienced significant volume growth this year. We’ve extended our reach to families in our primary care settings by developing integrated care practices and customizing the electronic health record to improve consistency, communication, quality and value of care.

We led new initiatives to improve and standardize care for some of the most complex patients. We have developed clinical pathways for the management of patients with developmental disabilities and mental health conditions who are cared for in medical settings at CHOP, including the development of an inpatient medical behavioral inpatient unit within Children’s Hospital. The new unit will serve the most complex patients with medical and mental health conditions requiring acute medical care at CHOP. The unit, co-led by Psychiatry and Pediatrics, is scheduled to launch in 2017. It will be the first of its kind to provide acute medical and mental healthcare by a team co-led by mental health and medical professionals in a pediatric hospital. Our behavioral health integrated program, which provides consultation and care for pediatric inpatients, and our Hospital-based pediatric psychologists have played a major role in the development of patient care protocols that will standardize care of medical patients in inpatient pediatric and surgical units and the emergency department.

This year we have launched an exciting and innovative neurosciences research program, the Life Span Brain Institute (LiBI). This program of research will lead the nation in scientific discovery for mental health and neurodevelopmental disorders. We are laying a foundation for the future of pediatric and adult neurosciences research.

Our neuroscientists, at CHOP and Penn, continue to lead the nation in research in disorders of attention, cognition, psychosis, mood and anxiety, autism, and medical and mental health comorbidities. LiBI, our newest scientific venture led by Raquel and Ruben Gur, is a University of Pennsylvania-Children’s Hospital research initiative focused upon children and adults and will increase our focus on integration of our basic and clinical neurosciences research.

We have had a remarkable year! We have accomplished all of this while not losing sight of the needs of our staff by expanding our mentorship and academic affairs program. Congratulations to all of us! I believe that we have been successful in our goals of providing the best care for children and families — not only at CHOP, but everywhere. Thank you for your contributions. I look forward to another great year.

Tami Benton, M.D.
Frederick Allen Professor of Child and Adolescent Psychiatry
Chair, Department of Child and Adolescent Psychiatry and Behavioral Sciences
Facts & Figures

PATIENT VOLUME for CY 2015

<table>
<thead>
<tr>
<th>Description</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outpatient visits</td>
<td>34,685</td>
</tr>
<tr>
<td>Inpatient (BHIP) visits</td>
<td>4,490</td>
</tr>
<tr>
<td>Total visits</td>
<td>39,175</td>
</tr>
</tbody>
</table>

MEDICAL STAFF

128

TRAINEES (Academic year 2015-2016)

<table>
<thead>
<tr>
<th>Description</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Psychiatry Fellows</td>
<td>10</td>
</tr>
<tr>
<td>Post-pediatric Portal Program Fellows</td>
<td>4</td>
</tr>
<tr>
<td>Psychology Interns</td>
<td>8</td>
</tr>
<tr>
<td>Psychology Fellows</td>
<td>6</td>
</tr>
<tr>
<td>Psychology Externs</td>
<td>49</td>
</tr>
</tbody>
</table>

RESEARCH AND FUNDING

- 250+ Scientific Publications
- $900,338 CY15 NIH Grants
- $1,693,249.95 CY15 Total Research Funding

PUBLIC PROGRAMS

350+

Community members educated
Through the Grand Rounds Series, Infant Mental Health Series, Distinguished Lecture Series, Next Steps into Adolescence & Surviving Cancer Competently Intervention Program – Newly Diagnosed (SCCIP – ND), Penn Behavioral Health MIND
Mission

The Children’s Hospital of Philadelphia Department of Child and Adolescent Psychiatry and Behavioral Sciences (DCAPBS) strives to be among the nation’s top leaders in children’s behavioral health. DCAPBS provides an interdisciplinary approach to improving the behavioral health and development of children and their families, and advances knowledge through excellent clinical care, research, training and advocacy. DCAPBS promotes innovative research and the integration of science and practice, focusing on prevention and intervention. We partner with others within the Hospital, regionally and nationally to increase the availability of evidence-based behavioral services for all patients at CHOP. DCAPBS is committed to outstanding scientist-practitioner training and to supporting the competence of caregivers and staff. Our endeavors integrate disciplines and systems of care in children’s health.

Faculty & Clinical Staff

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CRNP</td>
<td>4</td>
</tr>
<tr>
<td>LCSW</td>
<td>11</td>
</tr>
<tr>
<td>LPC</td>
<td>4</td>
</tr>
<tr>
<td>MD</td>
<td>26</td>
</tr>
<tr>
<td>PhD/PsyD</td>
<td>72</td>
</tr>
<tr>
<td>PhD-Neuro</td>
<td>11</td>
</tr>
</tbody>
</table>

Historical Data

<table>
<thead>
<tr>
<th></th>
<th>FY 2015</th>
<th>FY 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Visits</strong></td>
<td>36,872</td>
<td>42,612</td>
</tr>
<tr>
<td><strong>New Patient Visits</strong></td>
<td>10,526</td>
<td>14,866</td>
</tr>
<tr>
<td><strong>Revenue Per Visit</strong></td>
<td>$394</td>
<td>$411</td>
</tr>
<tr>
<td><strong>Percent Revenue Growth from 2014</strong></td>
<td>29.48%</td>
<td>20.57%</td>
</tr>
<tr>
<td><strong>Percent growth in visits from 2014</strong></td>
<td>25.51%</td>
<td>15.57%</td>
</tr>
<tr>
<td><strong>Percent growth in new patient visits from 2014</strong></td>
<td>14.54%</td>
<td>41.23%</td>
</tr>
</tbody>
</table>
Leadership

Tami Benton, M.D., Psychiatrist-in-Chief and Chair, Department of Psychiatry and Behavioral Sciences, Frederick Allen Professor of Psychiatry

Stewart Anderson, M.D., Associate Chair, Director of Research and Professor of Psychiatry, R.A.F. Penrose Endowed Chair in Pediatrics

Thomas Power, Ph.D., Associate Chair, Director of Academic Affairs, Chief Psychologist and Professor of Psychology in Pediatrics and Psychiatry

Avram Mack, M.D., Associate Chair for Patient Safety and Co-Director, Behavioral Health Integrated Program

Administrative Leadership Team

Mary Thompson, M.H.A., Administrative Director

Precious Graham, M.B.A., Behavioral Health Operations Manager

Clinical Directors

Tami Benton, M.D., Psychiatrist-in-Chief and Chair

Lamia Barakat, Ph.D., Director, Psychosocial Services and Professor of Psychology in Pediatrics and Psychiatry

Tom Flynn, Ph.D., Director, Neuropsychology and Pediatric Psychology Programs

Anik Jhonsa, M.D., Medical Director, Emergency Psychiatry

Amy Kim, M.D., Medical Director, Outpatient Clinic and Post Pediatrics Portals Training

Avram Mack, M.D., Co-Medical Director, Consultation Liaison Service

Ambreen Naeem, M.D., Medical Director, Children’s Intensive Emotional & Behavioral Service (CIEBS)

Wanjiku F.M. Njoroge, M.D., Medical Director, Young Child Clinic

Chavis Patterson, Ph.D., Director, Psychosocial Services

Raghuram Prasad, M.D., Medical Director, Autism Integrated Care Program

Alex Scharko, M.D., Co-Medical Director, Consultation Liaison Service

Steve Soffer, Ph.D., Director, Outpatient Clinic

Laurel Weaver, M.D., Ph.D., Medical Director, Eating Disorder Program

Carl Wolfarth, M.A., L.P.C., A.C.S., Operations Manager, CIEBS

Clinical Managers

Joanna Cole, Ph.D., Manager, Psychosocial Programs, Center for Fetal Diagnosis and Treatment

Jennifer Sherker, Psy.D., Manager, Psychosocial Programs, Pain & AMPS

Betsy Turner, Ph.D., M.S., Manager, Psychosocial Programs, Gastroenterology

Education Leadership Team

Tami Benton, M.D., Director of Education

Amy Kim, M.D., Director, Post-pediatric Portal Program

Judith Miller, Ph.D., Clinical Training Director, Center for Autism Research, Assistant Professor of Psychology in Psychiatry

Judi Miller, Ph.D., M.S., Training Director, Center for Autism Research

Wanjiku Njoroge, M.D., Associate Director, Child and Adolescent Psychiatry Fellowship Program

Terri Randall, M.D., Associate Director, Child and Adolescent Psychiatry Fellowship Program

Paul Robins, Ph.D., Training Director, Psychology Internship Training Program
Overview of Clinical Programs

Outpatient Clinic Medical Director: Amy Kim, M.D.
Outpatient Clinic Director: Steve Soffer, Ph.D.

General Psychiatry Outpatient Clinic

Location: 3440 Market St.
The General Psychiatry Outpatient Clinic provides assessment, diagnosis and treatment for a wide range of emotional and behavioral disorders. Most patients are seen through this program upon first referral to the department. Clinicians work with families to provide a comprehensive evaluation and a treatment plan that may include individual and family psychotherapy, medication management, or a combination of both.

Anxiety Behaviors Clinic (ABC)
Clinical Director: Katherine Dahlsgaard, Ph.D., A.B.P.P.
Location: 3440 Market St.

The Anxiety Behaviors Clinic (ABC) provides evaluation, cognitive-behavioral therapy, and medication management for children and adolescents ages 4 to 18 with primary anxiety disorders, including:

- Selective mutism
- Separation anxiety disorder
- Phobias
- OCD
- Social anxiety disorder
- Generalized anxiety disorder
- Panic disorder

We also provide behavioral treatment for difficulties that frequently present with anxiety disorders, such as sleep problems, selective eating and tic disorders. The emphasis is on providing evidence-based and empirically supported treatments that involve and engage the whole family. The ABC frequently expands its services and has added several psychologists in recent years who provide cognitive-behavioral therapy for anxiety disorders.

Autism Integrated Care Program
Medical Director: Raghuram Prasad, M.D.
Medical Director: Susan E. Levy, M.D., M.P.H.
Locations: 3440 and 3550 Market St.

In addition to evaluating, diagnosing and creating treatment plans for children with autism spectrum disorder (ASD), the Autism Integrated Care Program at CHOP:

- Creates a positive Hospital experience for children with ASD and their families
- Offers specialty care and interventions for children with ASD
- Provides resources for families, primary care physicians and community providers
- Conducts cutting-edge research into the cause, developmental course and treatments of ASD

Our team of diagnostic experts includes developmental and behavioral pediatricians, neurologists, nurse practitioners, psychiatrists, and psychologists. The care team may also include social workers, behavior therapists, occupational therapists and/or speech therapists. All of our providers specialize in evaluating and caring for children with autism spectrum disorders and are skilled in distinguishing ASD from other conditions to help make an accurate diagnosis for your child.

Integrated outpatient services for children with ASD
Many children with ASD have associated issues that require careful diagnosis, or they may have additional medical and behavioral issues that change over time. The Autism Integrated Care Program connects patients with the CHOP specialists who have expertise in their specific healthcare need and help to coordinate all the care they receive at CHOP.
The Center for Management of ADHD
Director: Thomas Power, Ph.D.
Medical Director: Nate Blum, M.D.
Locations: Bucks County Specialty Care, Brandywine Valley Specialty Care, Exton Specialty Care, King of Prussia Specialty Care, Voorhees Specialty Care and 3440 Market St.
At the Center for Management of ADHD, we provide diagnostic evaluations, therapy and medication for children who have — or are at risk for developing — attention deficit/hyperactivity disorder (ADHD). We are the region’s largest and most comprehensive ADHD center, and our services are available at CHOP’s Main Campus, as well as several CHOP Care Network locations throughout the Delaware Valley. Children work with a team of healthcare professionals that may include clinical and school psychologists, child and adolescent psychiatrists, developmental and behavioral pediatric physicians and advanced practice nurses.
This team approach to care allows us to offer children 4 through 18 years of age a variety of services aimed at promoting health and wellbeing, including:
• Medication consultation and management
• Family behavior therapy
• Group parent training programs to provide education about ADHD and strategies to promote child’s success at home and school

Child and Adolescent Mood Program (CHAMP)
Director: Tami Benton, M.D.
Co-Director: Rhonda Boyd, Ph.D.
Location: 3440 Market St.
Kids and teens with depression or other mood disorders can find help at the Child and Adolescent Mood Program (CHAMP). We treat a variety of conditions, including:
• Depression
• Bipolar disorder
• Anxiety
• Disruptive mood dysregulation disorder
• Frequently co-occurring conditions such as ADHD

Eating Disorder Program
Medical Director: Laurel Weaver, M.D.
Medical Director: Rebecka Peebles, M.D.
Locations: 3440 and 3550 Market St., CHOP Care Network King of Prussia Specialty Care Center
The Eating Disorder Program offers comprehensive outpatient services to children and adolescents with anorexia nervosa and bulimia nervosa. Our treatment program is available to males and females age 5 to 18 years old. Children enrolled in our program are treated by a dedicated team that includes doctors, nurses and psychosocial staff. Team members have a range of specialties including adolescent medicine, psychiatry, nutrition and social work.

Our team of eating disorder specialists will treat patients using a model we call systems-based family therapy. This is an extension of a type of therapy developed by CHOP and the Philadelphia Child Guidance Center. Systems-based family therapy emphasizes the important role that families play in helping their child recover from an eating disorder. An individualized treatment plan will be developed based on each child’s and family’s needs. Research has proven the effectiveness of the family-centered approach to treatment, and we are one of the only programs in Pennsylvania to specialize in family treatment for eating disorders. The beginning phases of the plan will focus on restoring nutrition and stopping eating disordered behaviors such as purging. Later phases focus on ongoing therapy for children and families as a whole. The goal is for children to resume age-appropriate development with the support of the entire family unit.
Treatment includes six to nine months of weekly to biweekly outpatient visits. We work collaboratively with the Department of Adolescent Medicine, requiring medical and psychiatric appointments at recommended intervals. Initial treatment is followed by three to six months of follow-up “booster” care. Some patients may require medical stabilization as an inpatient at The Children’s Hospital of Philadelphia before beginning outpatient treatment. This is determined on a case-by-case basis. Depending on the child’s need and age, he or she may be able to attend either program or both in succession for two to six months. The programs are designed to meet the varying needs of each child and family.
Families that are dealing with a child’s illness often face significant stresses in their lives. During these challenging times, families can harness their unique strengths to help manage illness and improve their child’s long-term outcomes. The experts at CHOP’s Family Stress and Illness Program (FSIP) are specially trained to recognize the stressors that are affecting families and the particular challenges presented by each child’s course of care. Our team partners with family members, including the child, and the child’s doctors to address the associated psychological challenges the family experiences as members cope with illness.

Our FSIP team provides individual and family therapy for children and adolescents ages 3 to 18 with acute or chronic illness. Our goal is to optimize each child’s care and health outcomes and family adjustment. The FSIP team includes pediatric psychologists and psychologists-in-training who focus on the impact of chronic illness on individual and family functioning. We help families caught in negative interactional patterns learn new ways to help their children and move forward in their development. The program embraces a twofold mission of clinical care and teaching. Our experts are leaders in their field and offer care that integrates best practices in pediatric medicine and psychology.

To develop a customized plan for each family, our experts will:
• Meet with each family to better understand its needs and concerns.
• Consult with each child’s doctor(s) to assess existing and potential challenges in the management of the child’s illness.
• Provide counseling that supports each family as it moves forward with implementing changes.

The International Adoption Health Program
Clinic Director: Stephanie Drabble, LCSW
Location: Main Hospital Wood Center and King of Prussia Specialty Care Center
The International Adoption Health Program strives to meet the needs of both the adopting family and the adoptive child throughout the adoption process. We also support families during the child’s first years with his or her new family. Our team aims to help families gain knowledge and understanding of the implication of medical, emotional and developmental histories of their potential child(ren) and to offer guidance during transition phase of the adoption process and beyond.

Pre-adoption counseling
Review of the child’s records can help a family understand more about their prospective child and recognize the issues this child may have upon arrival or transition into their home. Pre-adoption counseling helps parents make an informed decision about whether the child is a good fit for their family and to appropriately prepare for bringing the child home. Preparing for meeting and travelling with the child and understanding immediate physical and behavioral needs can help ease the travel and transition period both the child and the parents.

Post-adoption consultation
Our consultation service is available to adoptive families, pediatricians and other healthcare providers. Initial consultation shortly after the child’s arrival into the home will be with a pediatrician and an occupational therapist. Our team members have extensive experience caring for adopted children who:
• Have special healthcare and developmental needs
• Have lived in institutions or foster homes
• Have been exposed to drugs, alcohol or other toxins
• Have a biological family history of psychiatric disease
• Have experienced, witnessed or been an active part of abuse or neglect

Early emotional adjustment to the new family, growth, development, feeding, sleeping, health issues and immunization planning are among the issues our team will address. Our team works to review the child’s history; help educate the family about potential issues; and support adoptive parents in the early, post-adoption issues; We are there to support children and families if they’re faced with longer term challenges. Consultation is also available for children who have already been with their families for months or years, and whose emerging or persisting issues may be physical, behavioral or developmental. Our team of physicians also support families by communicating with their primary pediatricians concerning the ongoing care of referred children. To empower families with the best knowledge and care they may need to help their child thrive, our team also makes referrals to specialists at CHOP and to community resources when indicated.

Therapy is often recommended for children who have special healthcare and developmental needs, who have lived in institutions or foster homes, and who may have experienced abuse or neglect. Through various therapies available at CHOP, our team helps facilitate the advancement of developmental skills, feeding and nutrition.
Pediatric Psychology Integrated Program

The Clinical Director: Thomas Flynn, Ph.D.
Locations: Wood Center, Buerger Center for Advanced Pediatric Care, CHOP Main Building

Many specialty medical programs within Children’s Hospital include pediatric psychologists as part of their medical treatment teams. Our pediatric psychologists specialize in providing assessment, intervention and consultation services to children who need help adjusting to a diagnosis, adhering to treatment, or who may require support related to the trauma of their illness or procedure.

Members of our multidisciplinary team treat patients with acute and chronic pediatric illnesses, including:

- Attention deficit/hyperactivity disorder
- Autistic spectrum disorders
- Behavioral and school difficulties
- Cancer and cardiac conditions
- Enuresis and encopresis
- Feeding disorders
- Gastrointestinal disorders
- Learning disabilities
- Neurodevelopmental disorders
- Obesity
- Organ and stem cell transplantation
- Sickle cell disease
- Traumatic injury

Our services

- Assessments
  - Cognitive and developmental assessments
  - Neuropsychological evaluations

- Evaluation of emotional, social and family functioning
- Interventions
  - Child therapy
  - Family therapy
  - Pain and stress reduction approaches
- Consultations

We consult with medical teams throughout the Hospital about the psychological well-being of patients and families and treatment adherence. We also consult with school counselors when needed.

Young Child Clinic

Clinical Director: Wanjiku F.M. Njoroge, M.D.
Co-Director: Stephanie Drabble, L.C.S.W.
Location: 3440 Market St.

The Young Child Clinic (YCC) serves families with young children who have emotional and behavioral challenges. We treat children from birth through kindergarten. The evidence shows that nearly 10 percent of preschoolers have a severe impairing psychiatric disorder. Psychiatric impairment interferes with caregiver-child relationship, social-emotional development, ability to participate in child care and early learning environments, family functioning, and optimal developmental trajectory. We know that healthy, early childhood social-emotional development is essential for educational readiness, social well-being and preventative mental health. These emerging capacities arise early from the critical, complex and intimate interactions with others that become embedded in the developing structure of a genetically unique brain. Early childhood research continues to demonstrate the power and necessity of these interactive experiences for social-emotional wellness and many other closely linked developmental capacities. Our multidisciplinary clinic, offered by a team of psychologists, psychiatrists and social workers, works together to provide the best possible care to support children’s ongoing growth and development.

The expert staff of the YCC offers comprehensive evaluation and treatment recommendations for children with:

- Disruptive behavior disorders
- Behavior problems, with or without developmental or learning delays
- Anxiety disorders
- Mood disorders (depression)
- Attachment or relationship problems
- History of early childhood neglect or disrupted placement
- Trauma and stressor-related disorders
- Behavioral issues related to chronic medical conditions
After multiple evaluations are complete and recommendations are shared with the family, we may offer a combination of the following services:

• Parent-child interaction therapy: Proven treatment program that focuses on promoting positive parent-child relationships and interactions, and teaching parents effective child management skills
• Psychiatric consultation: Multisession evaluation includes comprehensive, multi-axial assessment and formulation followed by detailed written report
• Medication evaluation: Comprehensive evaluation and recommendations for treatment with medication
• Play therapy: Individual assessment that includes child-directed play
• Clinical work with parents: Parent engagement in treatment plan development and child’s ongoing care

Behavioral Health Integrated Program
Directors: Alexander Scharko, M.D. and Avram Mack, M.D.
Location: CHOP Main Building

The Behavioral Health Integrated Program (BHIP), a consultation liaison service, provides comprehensive assessments to children who are hospitalized for medical illnesses. Staff is available for inpatient and outpatient psychiatric, psychological and psychosocial consultation, evaluation, and treatment. Referrals to this service come from the patient’s attending physician. Issues often addressed on our service include:

• Urgent assessment and intervention, and safety planning with mental health crises
• Evaluation, medication management and supportive therapy for mental health needs including: mood and anxiety disorders, psychotic symptoms, substance misuse
• Evaluation and intervention for Eating Disorders including Anorexia Nervosa and Bulimia Nervosa
• Intervention for behavioral or emotional concerns that interfere with medical treatment
• Supportive therapy for patients and families in coping with chronic illness or trauma
• Assessment of organic mental health syndromes that result in alteration of mental status
• Evaluation and treatment of unexplained physical symptoms that may be a result of psychological processes

Children’s Intensive Emotional and Behavioral Services (CIEBS)
Medical Director: Ambreen Naeem, M.D.
Location: CHOP Care Network Atlantic County Specialty Care
Operations Manager: Carl Wolfarth, M.A., L.P.C., A.C.S.

Children’s Intensive Emotional and Behavioral Services (CIEBS) provides comprehensive psychiatric partial hospitalization services in a trauma-informed, behaviorally based therapeutic setting to children in the Atlantic, Cape May, Cumberland and Ocean Counties of New Jersey. The program is for children between the ages of 5 and 13 who have significant emotional, behavioral and social needs. Children are referred to us by schools, pediatricians, the mental health community, child protective services and parents. Our patients have a variety of behavioral, emotional and social needs that are significantly impacting the child’s ability to learn and participate constructively in their home, school or community.

CIEBS offers two separate but integrated psychiatric programs:

• Children’s Intensive Emotional and Behavioral Program, a full-day psychiatric program that runs six hours a day (9 a.m. to 3 p.m.), five days a week. The program is available for children age 5 to 13.
• The Children’s Extended Day Hospital Program, an extended-day psychiatric program that runs 4½ hours a day (3 to 7:30 p.m.), two to four days a week. The program is available for children age 8 to 13.

Neuropsychology and Assessment Service
Director: Thomas Flynn, Ph.D.
Location: Children’s Seashore House and CHOP Main Building

The Neuropsychology and Assessment Service treats:

• Children with known or possible brain trauma
• Children whose medical condition or treatment is placing them at risk for neuropsychological problems
• Children with developmental problems that affect their behavior and learning

Psychologists and neuropsychologists test memory, attention, language and information processing to assess brain functioning and the need for intervention. The team produces extensive reports based on its evaluations and helps make treatment and service recommendations.
Overview of Current Research Program

The Department of Child and Adolescent Psychiatry and Behavioral Sciences includes a wide range of research activities — such as the use of transgenic mice and mice and human stem cells to model human brain development in normal and disease-like conditions, the study of genetics of neuropsychiatric disorders, and the development of new approaches for optimizing the education of children with ADD in public schools. The ultimate goal of this research, whether focused on genes, brain circuitry, psychosocial influences on behavior or combinations of these, is to improve both the immediate health and the developmental trajectory of children in our care. Publications can be found in Appendix C and grants in Appendix D.

The Lifespan Brain Institute (LiBI) is a multidisciplinary research initiative dedicated to translational investigation of brain structure and function in youth applying cutting-edge technology.

Below are those actively involved in research within the department and their primary research focus:

Stewart A. Anderson, M.D.
Associate Professor of Psychiatry with Tenure at The Children’s Hospital of Philadelphia, Department of Psychiatry, Perelman School of Medicine at the University of Pennsylvania
Research Director, Department of Child and Adolescent Psychiatry and Behavioral Sciences
Brain development in autism, schizophrenia and epilepsy using animal models and human stem cells

Lamia P. Barakat, Ph.D.
Professor of Clinical Psychology at The Children’s Hospital of Philadelphia, Department of Psychiatry and Department of Pediatrics, Perelman School of Medicine at the University of Pennsylvania
Psycho-oncology; clinical trials enrollment

Tami D. Benton, M.D.
Associate Professor of Psychiatry at The Children’s Hospital of Philadelphia, Department of Psychiatry, Perelman School of Medicine at the University of Pennsylvania
Psychiatrist-in-Chief and Chair, Department of Child and Adolescent Psychiatry and Behavioral Sciences
Pediatric mood and anxiety disorders, sickle cell disease and psychiatric conditions, HIV and psychiatric conditions, neuroimmunology and mood disorders

Robert I. Berkowitz, M.D.
Professor of Psychiatry at The Children’s Hospital of Philadelphia, Department of Psychiatry, Perelman School of Medicine at the University of Pennsylvania
Genomic and behavioral bases for pediatric obesity and associated eating disorders; behavioral and pharmacological treatment of pediatric obesity and binge eating disorder

Karin E. Borgmann-Winter, M.D.
Assistant Professor of Psychiatry at The Children’s Hospital of Philadelphia, Department of Psychiatry, Perelman School of Medicine at the University of Pennsylvania
Cellular and molecular underpinnings of depression and schizophrenia

Rhonda C. Boyd, Ph.D.
Associate Professor of Clinical Psychology at The Children’s Hospital of Philadelphia, Department of Psychiatry and Department of Pediatrics, Perelman School of Medicine of the University of Pennsylvania
Maternal depression, preventive interventions, developmental psychopathology for at-risk youth, mental health disparity

Ricardo Eiraldi, Ph.D.
Associate Professor of Clinical Psychology at The Children’s Hospital of Philadelphia, Department of Psychiatry & Department of Pediatrics, Perelman School of Medicine at the University of Pennsylvania
Assessment and treatment of ADHD; dissemination and implementation of mental health evidence-practices in schools

Raquel E. Gur, M.D., Ph.D.
Professor, Department of Psychiatry with secondary appointments Departments of Neurology and Radiology, Perelman School of Medicine at the University of Pennsylvania
Director, Lifespan Brain Institute, Department of Child and Adolescent Psychiatry and Behavioral Sciences
Neurodevelopmental studies of brain and behavior in psychosis
John Herrington, Ph.D.
Assistant Professor of Psychology at The Children’s Hospital of Philadelphia, Department of Psychiatry, Perelman School of Medicine at the University of Pennsylvania
Autism spectrum disorder, anxiety, cognitive neuroscience, psychophysiology

Matthew C. Hocking, Ph.D.
Assistant Professor of Psychology at The Children’s Hospital of Philadelphia, Department of Psychiatry, Perelman School of Medicine at the University of Pennsylvania
Neurodevelopmental and family outcomes of childhood cancer, psychosocial intervention in childhood cancer

Stephen S. Leff, Ph.D.
Professor of Clinical Psychology at The Children’s Hospital of Philadelphia, Department of Psychiatry and Department of Pediatrics, Perelman School of Medicine at the University of Pennsylvania
Therapeutic implications of the roles of gender and social cognition in aggression

Jennifer A. Mautone, Ph.D.
Assistant Professor of Clinical Psychology at The Children’s Hospital of Philadelphia, Department of Psychiatry, Perelman School of Medicine at the University of Pennsylvania
Family-school-health system collaboration, school mental health, integrated behavioral health in primary care, improving access to evidence-based care for underserved communities

Judith S. Miller, Ph.D., M.S.
Assistant Professor of Clinical Psychology at The Children’s Hospital of Philadelphia, Department of Psychiatry, Perelman School of Medicine at the University of Pennsylvania
Screening, identification, differential diagnosis, and phenotyping on Autism Spectrum Disorders and related conditions.

Julia Parish-Morris, Ph.D.
Research Assistant Professor of Clinical Psychology at The Children's Hospital of Philadelphia, Department of Psychiatry, Perelman School of Medicine at the University of Pennsylvania
Development of language and social cognition in individuals with autism spectrum disorder, using NLP, machine-learning and infrared eye tracking

Thomas J. Power, Ph.D., A.B.P.P.
Professor of School Psychology at The Children’s Hospital of Philadelphia, Department of Psychiatry & Department of Pediatrics, Perelman School of Medicine at the University of Pennsylvania
Assessment and treatment of ADHD

Robert T. Schultz, Ph.D.
Professor of Psychiatry with Tenure at The Children’s Hospital of Philadelphia, Department of Psychiatry and Department of Pediatrics, Perelman School of Medicine at the University of Pennsylvania
Developmental disabilities including autism and genetic syndromes, quantitative phenotyping, outcome measure development, cognitive neuroscience/imaging

C. Alix Timko, PhD
Assistant Professor of Psychology at The Children’s Hospital of Philadelphia, Department of Psychiatry, Perelman School of Medicine at the University of Pennsylvania
Eating disorders in children and adolescents, use of acceptance based behavioral treatment, the role of executive functioning and hormones in anorexia

Benjamin E. Yerys, Ph.D.
Assistant Professor of Psychology at The Children’s Hospital of Philadelphia, Department of Psychiatry, Perelman School of Medicine at the University of Pennsylvania
Brain function and treatment of attention and cognitive control in autism, ADHD, and other neurodevelopmental disorders
Faculty Affairs

As of June 30, 2016, we have 29 faculty members appointed to the Perelman School of Medicine at the University of Pennsylvania. Thomas Power, Ph.D., Associate Chief of Academic Affairs and Professional Development, meets with interested candidates and assists them in identifying the most suitable track and rank for them. Dr. Power serves as a resource for candidates in developing their academic and mentoring plans. The Academic Affairs Committee in DCAPBS (Stewart Anderson, M.D., Lamia Barakat, Ph.D., Robert Berkowitz, M.D., Karin Borgmann M.D., Paul Robins, Ph.D., Anthony Rostain, M.D., and Robert Schultz, Ph.D.) carefully reviews the academic materials of each candidate, raises and discusses questions, and makes recommendations about readiness for appointment, changes to the academic plan, and revisions to the mentoring plan. Dr. Power works with candidates and the Academic Affairs Committee to resolve questions that are raised. With the approval of Tami Benton, M.D., Division Chief, Dr. Power then advances candidates to the next steps of the appointment process, including review by the Committee on Appointments and Promotions (COAP) in the Department of Psychiatry and the School of Medicine and review by the Office of the Provost. Stephanie Brennan, M.H.A., serves as the Academic Coordinator for Academic Affairs and Professional Development. She assists candidates in preparing their materials for appointment, reappointment and promotion, and she maintains their teaching data. During the past three years, there has been a rapid growth in faculty, particularly on the Academic Clinician (AC) track, which is appropriate for faculty engaged primarily in clinical practice, teaching, and leadership.
Training

Psychiatry Training Program
Director: Tami Benton, M.D.
Associate Training Directors: Terri Randall, M.D., and Wanjiku Njoroge, M.D.

Psychiatry training began at the Philadelphia Child Guidance Center in 1925, and when it merged with The Children’s Hospital of Philadelphia in 1996, the child and adolescent fellowship program became part of the CHOP Department of Child and Adolescent Psychiatry.

The Department of Child and Adolescent Psychiatry blends modern psychiatry with the richness of one of the first child and family community mental health centers in the nation. We offer a two-year, ACGME-approved Child and Adolescent Psychiatry Fellowship Program. The Department of Child and Adolescent Psychiatry is part of the Division of Child and Adolescent Psychiatry at the University of Pennsylvania, accepting five PGY 4 or 5 residents each year.

The mission of the Child and Adolescent Psychiatry Fellowship Program is to train competent, passionate child and adolescent psychiatrists who will serve as model clinicians, educators and advocates within the field of medicine and other disciplines. Our dynamic program provides fellows with a thorough understanding of child and adolescent development, psychopathology, etiology and natural history, and medical and behavioral treatments.

Fellows participate in a wide range of clinical, research and didactic activities. Didactic seminars occurring during a protected day emphasize normal development, phenomenology, psychopathology, psychotherapeutic and pharmacologic interventions, consultation strategies, and research methodology. A wide range of theoretical perspectives and modalities are emphasized for the care of infants, preschool children, grade-school children, adolescents and their families.

Fellows have the opportunity to work with children of all ages in a wide variety of treatment settings. Additionally, they will gain experience in research and education to help them become a critical consumer of new information, at the very least, or a contributor, if so desired.

Post-pediatric Portal Program
Director: Amy Kim, M.D.

The Post-pediatric Portal Program is a three-year combined training program in general psychiatry and child and adolescent psychiatry, which initially began as an ACGME Special Innovations Project, and is now an approved combined training program overseen by the American Board of Psychiatry and Neurology. Portal trainees complete 18 months of general psychiatry training through the ACGME accredited psychiatry residency program at the Hospital of the University of Pennsylvania, and an additional 18 months of child and adolescent psychiatry training through the ACGME accredited child and adolescent psychiatry fellowship at the Children’s Hospital of Philadelphia.

Physicians who have completed a core pediatric residency are eligible to apply. Upon successful completion of the program, graduates are eligible for the board certification examinations in Adult Psychiatry and Child and Adolescent Psychiatry.

Typical applicants are individuals who have recently completed their pediatric residency (within the past five years) or later career pediatricians seeking additional training/career shifts in psychiatry and child and adolescent psychiatry.

Graduates of our Post-pediatric Portal Program have chosen to work in outpatient general psychiatry, outpatient child and adolescent psychiatry, consultation-liaison psychiatry, emergency psychiatry, and integrated mental healthcare within primary care settings.
Psychology Training Program
Internship Director: Paul Robins, Ph.D.
Associate Training Directors: Tom Flynn, Ph.D., Debra S. Lefkowitz, Psy.D., and Steve Soffer, Ph.D.
Externship and Fellowship Director: Lauren Krivitzky, Ph.D., A.B.P.P.-C.N.

At The Children’s Hospital of Philadelphia, psychologists provide training in assessment, consultative, intervention and prevention services to infants, children, adolescents and families across a wide variety of medical, behavioral and psychosocial concerns, across medical inpatient, outpatient, primary care and community contexts. Faculty and staff promote the integration of empirically supported research and clinical service through research, teaching and clinical activities within an academic medical setting.

Psychology Internship Program
The Psychology Internship Program at The Children’s Hospital of Philadelphia is a one-year clinical experience and includes six to 10 interns matched nationally. The goal of the Psychology Internship Program is to train future child psychologists for entry-level professional practice. Specifically, the program aims to prepare advanced doctoral-level students to take leadership roles in developing, providing, evaluating and disseminating effective psychological services for the diverse population of children and families with health and/or mental health needs. The program is committed to preparing psychologists as leaders in the field who will be engaged in clinical practice, interdisciplinary collaboration, advocacy and scientific investigation. Interns participate in a cumulative sequence of clinical rotations, individual and group supervision, and a variety of didactic learning forums. These training opportunities guide interns in the application of empirically supported interventions, within the multiple contexts of a child’s development.

Clinical training tracks
1. Autism Spectrum Disorders. This track is designed for interns wishing to pursue clinical and research careers related to the field of autism spectrum disorders (ASD). Interns in this track spend approximately 50 percent of clinical training in assessment and consultation rotations within the Center for Autism Research (CAR) and the Autism Integrated Care Program. Assessment competencies are accomplished through track-specific clinical rotations related to ASD. Interns in the ASD track also complete a second year of funded training as clinical postdoctoral fellow through CAR. Postdoctoral training at CAR is primarily focused on clinical development and preparation for licensure by providing clinical support to a variety of research projects, with scientific participation to the extent it matches the trainee’s interests and goals.
2. Behavioral Health Integrated Care. This track provides training for interns wishing to pursue clinical careers in providing integrated intervention and consultation services to children, families, medical providers and school personnel within underserved communities. Interns in this track will spend approximately 66 percent of their total clinical hours dedicated to pediatric primary care. Both the intervention and consultation competencies are accomplished through track-specific clinical rotations.
3. Clinical Child Psychology. This track provides training for interns wishing to obtain more focused training in assessment and/or intervention skills in children with anxiety, depression, ADHD and behavioral disorders. There are no required rotations on this track, and interns are encouraged to participate in clinical rotations that support their training goals.
4. Pediatric Neuropsychology. This track provides training for interns wishing to pursue a career as a pediatric neuropsychologist. Interns devote approximately 66 percent of their clinical training within track-specific rotations. During the first half of the year, interns participate in the inpatient neuropsychological assessment rotation, paired with the inpatient rehabilitation rotation (consultation), and select an intervention rotation. During the second half of the year, interns typically participate in the outpatient neuropsychological assessment rotation, paired with an outpatient consultation (in recent years, Stroke Clinic), and select an intervention rotation.
5. Pediatric Psychology. This track provides training for interns wishing to pursue a career as a pediatric psychologist. There are no track-specific required rotations, and interns are encouraged to participate in clinical rotations that support their training goals, selecting from the wide range of Hospital-based assessment, consultation and intervention rotations.
Psychology Fellowship Training Program

The primary goal of the Postdoctoral Fellowship Program in Clinical Psychology is to help fellows develop the clinical and research skills necessary to provide care for diverse pediatric populations and to obtain a position in a pediatric healthcare setting or university-based training program.

Fellows will participate in a variety of clinical and didactic experiences, and will have opportunities to integrate research goals into their overall plan for the fellowship. In addition, fellows may have opportunities to supervise interns, externs and practicum students and to collaborate in multidisciplinary forums (case-centered consultations, research activities). We are committed to promoting the strongest match possible between the training needs and goals of the fellows, and our program mission and goals.

Faculty members of the Fellowship Program in Clinical Psychology offer many fellowship experiences, as funding permits. Our four general areas of specialization are:

- Pediatric Psychology — with placements in Oncology, Plastic Surgery, Injury Prevention, Solid Organ Transplant and Sleep Medicine, as examples.
- Clinical/Community/Schools Psychology — with placements commonly available in the Center for the Management of ADHD, community-based youth Violence Prevention Initiative and Behavioral Health in urban schools.
- Pediatric Neuropsychology — with placements fulfilling INS-Division 40 and Houston Conference guidelines for training in neuropsychology.

Although these specialized postdoctoral fellowships vary in their clinical, didactic and research opportunities, there is a community of psychology postdoctoral fellows who share some common experiences throughout their fellowship training.

Psychology Externship Program

The Child and Adolescent Psychiatry and Behavioral Sciences Externship Program consists of year-long or semester-long rotations in one (or more) of our clinical programs. Psychology externs are typically at CHOP for rotations two days per week and have the opportunities to participate in various clinical and research activities. The majority of these experiences involve assessment, consultation and treatment of patients with various pediatric medical and mental health conditions. Externs also have the opportunities to work with caregivers and families and may also be asked to assist with research projects and program development. Externship students may also have the opportunity to attend educational presentations, such as lectures, grand rounds and seminars, relevant to pediatric conditions and professional development of healthcare providers. By providing such opportunities, we hope to contribute to the students’ professional growth, education and competence. We recruit students from psychology doctoral programs throughout the Philadelphia region (and often beyond) and typically take 30 to 40 externship students per academic year.
Appendix A: Current Psychiatry Fellows (2015-2016 Academic Year)

**First year CAP Fellows**

Adrienne Clark, MD  
Psychiatry residency: Hospital of the University of Pennsylvania  
Education: The University of Pittsburgh School of Medicine

Andi Fu, MD  
Psychiatry residency: Hospital of the University of Pennsylvania  
Education: University of Pennsylvania

Stacy McAllister, MD  
Psychiatry residency: Mount Sinai  
Education: Sidney Kimmel Medical College (Thomas Jefferson University)

Juliet Muzere, DO  
Psychiatry residency: Morehouse School of Medicine  
Education: Rowan University School of Osteopathic Medicine

Barbara Robles-Ramamurthy, MD  
Psychiatry residency: Hospital of the University of Pennsylvania  
Education: Baylor College of Medicine

**Second Year CAP Fellows**

Patrick Cleary, MD  
Psychiatry residency: University of Maryland/Sheppard Pratt  
Education: Drexel University College of Medicine

William Kim, MD  
Psychiatry residency: Thomas Jefferson University  
Education: Sidney Kimmel Medical College (Thomas Jefferson University)

Pradipta Majumder, MD  
Psychiatry residency: Mount Sinai Group of Hospitals at St Luke’s Roosevelt Hospital Center  
Education: Medical College (Kolkata, India)

Nirali Patel, MD  
Psychiatry residency: University of Chicago  
Education: Georgetown University School of Medicine

Varun Sharma, MBBS  
Psychiatry residency: SUNY Downstate Medical Center and Kings County Hospital Center  
Education: University College of Medical Sciences (New Delhi, India)

**First Year Post-pediatric Portal Program Fellows**

**Gabriela Andrade, MD**
Pediatric residency: Boston Children’s Hospital/Boston Medical Center
Education: Vanderbilt University School of Medicine

**Preeti Soi, MD**
Pediatric residency: Cooper University Hospital
Education: St. George’s University School of Medicine

**Third Year Post-pediatric Portal Program Fellows**

**Catharyn Turner, MD**
Pediatric residency: Stanford Hospital and Clinics
Education: The University of Iowa Carver College of Medicine

**Jeein Yoon, MD**
Pediatric residency: Cleveland Clinic
Education: Ewha Women’s University (Seoul, South Korea)

Appendix B: Current Psychology Trainees (2015-2016 Academic Year)

**Interns**

Emily Becker, Clinical Child Psychology, University of Miami

Chelsea Black, Neuropsychology, Temple University

Whitney Guthrie, Autism Spectrum Disorders, Florida State University

Anna Hung, Integrated Behavioral Health, Miami University of Ohio

Alexandra Psihogios, Pediatric Psychology, Loyola University of Chicago

Whitney Raglin Bignall, Integrated Behavioral Health, University of Cincinnati

**Lauren Swift**, Integrated Behavioral Health, University of Delaware

**Ariel Williamson**, Integrated Behavioral Health, University of Delaware
Appendix B: Current Psychology Trainees (2015-2016 Academic Year) cont.

Fellows

Brenna Maddox, Center for Autism Research, Virginia Tech

Jennifer Maldarelli, Center for Autism Research, Tulane University

Krista Mehari, School Community Based Interventions for Aggression and Bullying Among Urban Youth Virginia Commonwealth University

Elizabeth Robinson, Pediatric Psychology, Virginia Commonwealth University

Billie Schwartz, Behavioral Health in Urban Schools Program, University of Miami

Ashley Whitaker, Neuropsychology, Alliant International University

Externs

Agnes Konokpa  Gwen Lawson  Matthew Carper
Amanda NeMoyer  Hai Duong  Melanie Franklin
Azlen Theobald  Heather Clifford  Mina Yadegar
Becky Cheung  James Abiola  Mira Mooreville
Brittany Pollack  Jessica Bodie  Mirzya Syed
Caitlin Clements  Jessica Hamilton  Mona Elgohail
Catherine Madden  Julie Petersen  Morgan Kamerdze
Cecilia Gaultney  Justine Benedicks  Rachel Keegan
Christina Bricca  Katherine Gentile  Richa Aggarwal
Courtney DeAngelis  Kristina Puzino  Sarah Amedoro
Courtney Murphy  Laura Wallace  Sarah Morris
Danielle Brinkman  Lauren Brumley  Tamique Ridgard
Danielle Ryan  Lauren DeRuyter  Victoria Grunberg
Darcy Burgers  Lucy Lubinski  Bethany Watson
Eleanor Benner  Maria Hoff  Izabela Milaniak
Emilo Valadez  Maria Lauer
Emily Stasko  Mark McCurdy
Appendix C: Publications

Research Publications, peer reviewed (print or other media):


Research Publications, peer-reviewed reviews:


Research Publications, non-peer reviewed:


Abstracts, Peer Reviewed Presentations, and Posters:


Boyd, R., Discussant: Rethinking women’s sexual and psychosocial health through novel technology, access, and programming. Symposium at the American Psychological Association annual meeting, Toronto, Canada, August, 8, 2015.


Culnan, E., Mindell, J. A., Walters, R., Day, D., & Telofski, L., (June, 2015). How recommendations on baby sleep have changed and expanded over the last 100 years. Poster presentation at the annual Sleep meeting, Seattle, WA.


Curry, A.E., Pfeiffer, M.R., Power, T.J., Winston, F.K., Metzger, K.B. (2015, Nov.) Driver licensing rates and motor vehicle crash risk among adolescents with attention deficit hyperactivity disorder. Presented at the American Public Health Association meeting, Chicago, IL.

Daniel, LC, Barakat, LP, Butler, E., Digiuseppe, A, & Schwartz, LA. (June, 2015). Sleep in Adolescents and Young Adults in the Year Post Cancer Treatment. Poster presentation at the Associate Professional Sleep Societies Annual Meeting, Seattle, WA.


Impact of Perinatal Palliative Care and Bereavement Programs: Provider and Patient Panel. Update on Fetal Diagnosis and Treatment International Conference, Center for Fetal Diagnosis and Treatment, The Children’s Hospital of Philadelphia, May 14, 2015.


Miller, J.S., Shamash, J., Norry, J.E., Gabrielsen, T.E.: Response to name: Increasing the sensitivity of this very specific sign of ASD. Poster presented at the International Meeting for Autism Research, Salt Lake City, Utah, May 2015.


Mindell, J. A., Sedmak, R., Boyle, J. T., & Butler, R. (June, 2015). Sleep Well!: Improving sleep of disadvantaged children. Poster presentation at the annual Sleep meeting, Seattle, WA.


Psychological Support for the At Risk Pregnant Mother. Update on Fetal Diagnosis and Treatment International Conference, Center for Fetal Diagnosis and Treatment, The Children’s Hospital of Philadelphia, May 14, 2015.


Puzino, K., Mindell, J.A., Leichman, E.S., Walters, R., & Bhullar, B. (June, 2015). An iphone application for young children’s sleep: Caregivers’ concerns. Poster presentation at the annual Sleep meeting, Seattle, WA.

Puzino, K., Mindell, J. A., Moore, M., & Guite, J. (October, 2015). Functional disability in adolescents with chronic pain: It’s all about sleep and cognitions. Poster presentation at the biennial Pediatric Sleep Medicine meeting, Amelia Island, FL.


The Role of Perinatal Psychology: Partnering with Families Carrying Babies with Fetal Abnormalities. Symposium on Expanding the Frontiers of Pediatric Psychology in Perinatal


Rubens, S. L., Patrick, K., Sampilo, M. L., Moore, M., & Mindell, J. A. (June, 2015). Demographic factors predictive of sleep problems in a clinical sample of youth. Poster presentation at the annual Sleep meeting, Seattle, WA.


Szalda, D.E., Pultman, S., Sullivan, J., Barakat, L.P., & Schwartz, L.A. (March, 2015). Improving the Care of Adolescent and Young Adults (AYA) Oncology: Educational programming for pediatric oncology nurses. Poster presentation/published abstract at the annual meeting of the Society for Adolescent Health and Medicine, Los Angeles, CA.


When a Baby Dies: Multidisciplinary Collaborative Care for Women and Families Experiencing an Intrauterine Fetal Demise or Planning to Deliver Via Palliative Care. The Association of Women’s Health, Obstetric and Neonatal Nursing Annual Conference, Long Beach, CA. June 15, 2015


Williamson, A., Patrick, K., Rubens, S., Moore, M., & Mindell, J. A. (October, 2015). The clinical needs of youth with neurodevelopmental conditions in an outpatient sleep clinic. Poster presentation at the biennial Pediatric Sleep Medicine meeting, Amelia Island, FL.


Editorials, Reviews, Chapters, including participation in committee reports:

Brooks, E., Christy, N.E., Mack, A., McFadden, M.: Patients with psychiatric disorders can also have CLABSIs: A response to 'CLABSI or Munchausen's or Both. Infection Control & Hospital Epidemiology 36:996–997, 2015.


Books:


Alternative Media:
“A closer look at study reporting ADHD medications cause sleep problems in kids” Philadelphia Inquirer, 6 December 2015


“Can anxiety disorders be prevented in kids?” philly.com, 7 October 2015


“Does your child still have difficulty swallowing pills?” philly.com, 20 April 2015


“‘Inside Out’ has lessons for child and parent” Philadelphia Inquirer 5 July 2015


LeffSS: Teaching Problem-Solving and Leadership to Young Urban African-American Girls Reduces Their Relational Aggression: CHOP study demonstrated continued effects one year later PRNewswire-USNewswire November 23 2015.


“Medical Mystery: Twins talk to parents, but never to anyone else” Philadelphia Inquirer, 3 May 2015
“Medical Mystery: Why is teen socially isolating herself?” Philadelphia Inquirer, 15 October 2015
“Medical Mystery: Why is young picky eater’s palate so limited?” Philadelphia Inquirer, 31 May 2015
“My teen can be so irritable! Is that normal?” philly.com 6 July 2015
“New sleep guidelines little changed, but a worthwhile reminder” Philadelphia Inquirer, 1 March 2015
“Picky eating can be a sign of deeper troubles” Philadelphia Inquirer, 9 August 2015

“Research: Meds for ADHD don’t causeics” Philadelphia Inquirer, 20 September 2015
“Self-control may be why girls outdo boys on tests” Philadelphia Inquirer, 7 June 2015
September 23, 2015: Quoted in FoxSports Online article by Justin Ching: “Tragedy at Penn: What Happened to Tim Hamlett?”
“Successful cognitive behavioral therapy for kids could lead to fewer suicidal thoughts” philly.com, 9 March 2015
“Why sleepy teens are falling to their knees” Anxiety.org, 27 May 2015

**Patents and related:**


**Studer, LS, Anderson, SA, Maroof, AM.** DIRECTED DIFFERENTIATION OF CORTICAL NEURONS for which a provisional application for Letters Patent in the United States was filed as U.S. Serial No. 61/816,624 on April 26, 2013

CORTICAL INTERNEURONS AND OTHER NEURONAL CELLS PRODUCED BY THE DIRECTED DIFFERENTIATION OF PLURIPOTENT AND MULTIPOTENT CELLS for which a PCT application was filed as PCT Patent Application No. PCT/US2014/35760 on April 28, 2014.
Appendix D: Current Grants

**CURRENT GRANT SUPPORT**

<table>
<thead>
<tr>
<th>Sponsor Number#</th>
<th>Role in Grant</th>
<th>Period of Award</th>
<th>% Effort</th>
<th>Funding Source</th>
<th>Current Annual Direct Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. R01 MH066912</td>
<td>PI</td>
<td>1/1/03-4/30/17</td>
<td>3.6</td>
<td>NIMH</td>
<td>$250,000</td>
</tr>
</tbody>
</table>

Generating and studying GABAergic forebrain interneurons using human stem cells. This grant focuses on mechanisms of for the differential fate determination of parvalbumin and somatostatin-expressing interneuron subgroups in the murine ventral forebrain. In the 2012 renewal, this focus has expanded to the use of mouse and human embryonic stem cells to study interneuron fate determination and the regulation of their synaptogenesis.

No overlap.

<p>| | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2. 1 P01 NS048120</td>
<td>Project PI</td>
<td>10/1/06-6/30/16</td>
<td>3</td>
<td>NINDS</td>
<td>$185,000</td>
</tr>
</tbody>
</table>

Cortical interneuron fate determination in the medial ganglionic eminence. Project 2 within a P01, Proliferation, Neural Specification & Brain Function, E. Ross, PI.

This proposal studies the relationship between the regulation of proliferation and fate determination in the subcortical forebrain, with emphasis on generating mouse models of interneuronopathies.

No overlap.

<p>| | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3. PICAB grant PI</td>
<td></td>
<td>2/1/16-1/31/17</td>
<td>0.6</td>
<td>UPenn Institute for Translational Medicine and Therapeutics</td>
<td>$25,000</td>
</tr>
</tbody>
</table>

Cell-based therapy for seizures by transplantation of human stem cell derived inhibitory interneurons modified for rapid maturation.

This proposal is to generate pilot data for development of a cell based therapy for epilepsy project in dogs.

No overlap.
## CURRENT GRANT SUPPORT

**NAME** Lamia P. Barakat, Ph.D.  
**DEPARTMENT** Pediatrics/Oncology  
**DATE** 5/24/16

<table>
<thead>
<tr>
<th>Name of Grant &amp; Sponsor Number#</th>
<th>Period of Award</th>
<th>Grant Category*</th>
<th>Role in Grant **</th>
<th>Funding Source</th>
<th>Current Annual Direct Cost</th>
<th>Additional Comments***</th>
</tr>
</thead>
</table>
| 1. Child coping with medical traumatic stressors  
Sponsor # Not Available | K23 | Mentor | 5% (in kind) | NIH/NIMH | $128,456 | Meghan Marsac, PhD |
| 2. Psychosocial Assessment Tool: Family risk screening in pediatric cancer  
Sponsor # Not Available | 7/1/13-6/30/17 | RSG | Co-I | ACS | $54,571 | Anne E. Kazak, PhD (PI) |
| 3. Neurocognitive and Social Functioning among Children with Brain Tumors  
Sponsor # Not Available | 9/23/13-9/21/18 | K07 | Mentor | NIH/NCI | $108,519 | Matthew Hocking, PhD |
| 4. Validation of the Pediatric Research Participation Questionnaire for AYA with Cancer  
Sponsor # Not Available | 1/1/14-12/31/15 (NCE) | Seed Grant | PI | CCCR ALSF | $25,000 |
| 5. Neurocognitive Outcomes of Pediatric Stem Cell Transplant  
Sponsor # Not Available | 5/1/15-12/31/16 | Private Foundation | Co-PI | Vanore Fund | $125,000 | Nancy Bunin, MD (co-PI) |
| 6. Acceptability and Feasibility of Fetal Stem Cell Transplantation in SCD  
Sponsor # Not Available | 9/1/14-8/31/16 | Private Foundation | PI | CHOP Daisy Day Fundraiser | $133,668 | Alan Flake, MD (PI) |
<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Start Date - End Date</th>
<th>Sponsorship</th>
<th>Role</th>
<th>Sponsor #</th>
<th>Amount ($)</th>
<th>PI(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.</td>
<td>Development of a Second Generation Technology-Focused Intervention to Promote Health and Well-Being of Adolescents and Young Adults Completing Treatment for Cancer</td>
<td>7/1/2015-6/30/2016</td>
<td>Supportive Care Grant</td>
<td>Co-I</td>
<td>2.0</td>
<td>St. Baldrick’s Foundation $55,251</td>
<td>Lisa Schwartz, PhD</td>
</tr>
<tr>
<td>8.</td>
<td>Development of clinical trial decision aid for AYA with cancer</td>
<td>7/1/15-6/30/16</td>
<td>Seed Grant</td>
<td>PI</td>
<td>10.0</td>
<td>CCCR</td>
<td>$100,000</td>
</tr>
<tr>
<td>9.</td>
<td>Evaluating costs of long-term survivorship</td>
<td>9/1/15-8/31/16</td>
<td>CDC SIP</td>
<td>Co-I</td>
<td>8.0</td>
<td>CDC</td>
<td>$100,000</td>
</tr>
<tr>
<td>10.</td>
<td>Integrating Self-management Education with Cancer Survivorship Care Planning; AYA STEPS: Self-management via Texting, Education and Plans for Survivorship</td>
<td>9/1/15-8/31/2018</td>
<td>CDC SIP</td>
<td>Co-I</td>
<td>2.0</td>
<td>CDC</td>
<td>$824,998</td>
</tr>
</tbody>
</table>

*For Grant Category, use code in bold from the following menu

R01  NIH R01
PP   NIH Program Project, Center or Core Grants
FG   Federal Grants - Other (including other individual NIH grants and grants from VA, NSF, Dept. of Energy, etc.)
FM   Fellowship (management)
CT   Clinical Trials
TG   Training Grants
IG   Industrial Grants (including pharmaceutical)
PG   Private Foundation Grants (including internal Penn grants)
O    Other

** For program projects, specify whether PI, co-leader or project leader. For center, core and training grants, similarly specify your role.

*** Include any additional, brief information. For clinical trials, for example, specify if multicenter or single center and indicate role of Penn site. Explain any grants in “Other” category.

If space is needed for more entries, use an additional sheet.
CURRENT GRANT SUPPORT

NAME  Robert Berkowitz, M.D.

Active

<table>
<thead>
<tr>
<th>Name of Grant/Sponsor Number#</th>
<th>Period of Award</th>
<th>% Effort</th>
<th>Funding Source</th>
<th>Current Annual Direct Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1R01HD071981 (Magge)</td>
<td>04/01/12 - 03/31/17</td>
<td>0.36 calendar</td>
<td>Source: NIH/NICHD</td>
<td>$420,234</td>
</tr>
<tr>
<td>Cardiometabolic Risk Factors and Obesity in Adolescents with Down Syndrome</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The goal of this project is to examine the cardiometabolic risk factors in obese adolescents with Down Syndrome.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Role on Project: Co-Investigator</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| 2R01HD056465-06 (Grant)       | 07/01/13 - 06/30/18   | 3 calendar | Source: NIH                           | $832,810                   |
| Genome Wide Association Study for Childhood Obesity |
| The goal of this study is to perform a whole genome scan to test for association to childhood obesity utilizing high-throughput tag-SNP arrays. |
| Role on Project: Co-Investigator |

\textbf{Changed: 2.4 calendar months to 3 calendar months}

| (Wadden)                      | 1/2015 - 12/31/2017   | 0.6 calendar | Source: Eisai Medical Research        | $14,059                    |
| LIBER Weight Loss Maintenance Trial |
| This study is will assess the use of the weight loss medication lorcaserin compared with placebo along with a lifestyle program for the maintenance of weight loss in adults with obesity. |
| Role on Project: Co-Investigator |
### CURRENT GRANT SUPPORT

**NAME**  Lisa Blaskey, Ph.D.  
**DEPARTMENT**  Psychiatry  
**DATE**  July 2013

<table>
<thead>
<tr>
<th>Grant Name &amp; Sponsor Number</th>
<th>Period of Award</th>
<th>Category*</th>
<th>Role in Grant**</th>
<th>% Effort</th>
<th>Funding Source</th>
<th>Annual Direct Cost</th>
<th>Additional Comments***</th>
</tr>
</thead>
</table>
| 1. Roberts R01  
R01HD073258 | 8/13/12-5/31/17 R01 | Co-Investigator | 18% | NIH | $112,440 | MEG of Lexical Processing and Abstraction in ASD |
| Pl's: Embick, Z. (Penn) & Roberts, TPL |
| 2. Roberts Simons  
Grant#251203 | 3/1/12-7/31/14 PG | Psychologist | 27% | Simons Foundation | $181,102 | Neuroimaging of Children with 16p11 Deletion; SVIP project |
| 3. Electrophysiological signatures of language impairment in autism spectrum disorder  
R01DC008871-06A1 | 9/18/14-08/31/19 R01 | Co-I | 40% | NIH/NIDCD | $212,500 | Roberts |
| 4. Magnetoencephalographic studies of lexical processing and abstraction in autism  
R01HD073258-04 | 9/01/12-5/31/17 R01 | Co-I | 12% | NIH/NICHD | $123,877 | Embick |
| 5. Thalamic activity and structure and surface neura | 8/01/15-7/31/17 FG | Co-I | 12% | NIH/ NINDS | $150,000 | Edgar |
CURRENT GRANT SUPPORT

NAME  Karin Borgmann-Winter, M.D.  DEPARTMENT Psychiatry  DATE March 24, 2016

R01 MH 075916-05A1 (Hahn/Siegel)  4/1/15 – 3/30/20  1.2 calendar
“Src mediates molecular alterations leading to NMDAR hypofunction in schizophrenia”
NIMH  $145,939

The goal of this project is to investigate underlying mechanisms for NMDAR hypofunction in schizophrenia.
Role: Investigator

5 P50-MH096891-04 (Gur P.I.)  9/01/12-05/31/17  1.2 calendar NIH/NIMH  $186,000
Developmental Trajectories of Negative Symptoms in Schizophrenia
Project IV (Hahn P.I.)
The goal of this work is to examine molecular and cellular underpinnings for NMDA receptor hypofunction in the amygdala of patients with schizophrenia compared with their matched controls
Role: Investigator

CURRENT GRANT SUPPORT

NAME  Rhonda, Boyd  DEPARTMENT Psychiatry  DATE 5/24/16

08/01/13-06/30/16  Oscar G. and Elsa S. Mayer Family Foundation (PI: Guevara)
A Social Media Intervention to Teach Parenting for Women with Postpartum Depression
Role: Co-Investigator
**CURRENT GRANT SUPPORT**

**NAME**  Lauren Daniel, Ph.D.                       **DEPARTMENT**  Pediatrics/Oncology                      **DATE**  March, 2016

<table>
<thead>
<tr>
<th>Name of Grant &amp; Sponsor Number#</th>
<th>Period of Award</th>
<th>Grant Category*</th>
<th>Role in Grant **</th>
<th>% Effort</th>
<th>Funding Source</th>
<th>Current Annual Direct Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. N/A - Loan Repayment Program for Pediatric Researchers (Daniel)</td>
<td>8/2014-6/2016</td>
<td>FG</td>
<td>NA</td>
<td>NIH</td>
<td>100% of loan burden</td>
<td></td>
</tr>
</tbody>
</table>
NAME **Ricardo Eiraldi, Ph.D.**  DEPARTMENT Division of Developmental and Behavioral Pediatrics  **DATE:** May 30, 2016

<table>
<thead>
<tr>
<th>Name of Grant</th>
<th>Period of Award</th>
<th>Grant Category*</th>
<th>Role in Grant **</th>
<th>% Effort</th>
<th>Funding Source</th>
<th>Current Annual Direct Cost</th>
<th>Additional Comments***</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Graduate Psychology Education Programs (D40 HP00039-03)</td>
<td>7/1/2013-6/30/2016</td>
<td>TG</td>
<td>Faculty</td>
<td>4%</td>
<td>HRSA (MCHB)</td>
<td>$85,019</td>
<td>Train Interns and Fellows</td>
</tr>
<tr>
<td>2. Targeting School Climate and Behavioral Health in Urban Schools (HD073430-01)</td>
<td>1/1/2013-12/30/2017</td>
<td>R01</td>
<td>PI</td>
<td>60%</td>
<td>NICHD</td>
<td>$414,223</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Team Functioning in School Mental Health Teams Implementing CBT MH-103955</td>
<td>6/1/2014-5/30/2017</td>
<td>T32</td>
<td>Faculty</td>
<td>0%</td>
<td>NIMH</td>
<td>$169,056</td>
<td>Mentor Fellow (Dr. Courtney Benjamin Wolk)</td>
</tr>
</tbody>
</table>
## CURRENTGRANTSUPPORT

**NAME**  
Marsha Gerdes, PhD

**DEPARTMENT**  
Psychiatry

**DATE**  
5/24/16

### ACTIVE GRANTS

<table>
<thead>
<tr>
<th>Grant Description</th>
<th>Start Date</th>
<th>End Date</th>
<th>Percentage</th>
<th>Funding Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA Department of Health (PI: Culhane) Developmental and Behavioral Screening Instruments for Children</td>
<td>1/1/2013 – 11/30/2016</td>
<td>1.2 calendar (10%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NICHD R01 HD-073221-02 (PI: Culhane) Eliciting Maternal Knowledge about the Technology of Skill Formation</td>
<td>05/21/2013 – 3/31/2018</td>
<td>1.2 calendar (10%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NICHD U10 HD-068244-04 (PI: Kirpalani) The goal of this project is be part of the neonatal Research Network and participate in the follow-up efforts on multiple NRN research projects at CHOP/Penn</td>
<td>4/1/2011 – 3/31/2016</td>
<td>.3 calendar (2.5%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>William Penn Foundation (Pt: Guevara) The goal of this project is to see if starting Reach Out and Read at the 2 week visit can have a positive impact on later literacy and development</td>
<td>7/ 2015 – 2/18</td>
<td>.6 calendar (5%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>William Penn Foundation (Pt: Gerdes) The goal of this project is to work across provider systems to design an early childhood learning model that addresses the social emotional needs of children with behavioral issues in a heterogeneous setting in a high quality child care center in Philadelphia</td>
<td>12/1/15-11/30/2016</td>
<td>(15%)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
CURRENT GRANT SUPPORT

NAME: Raquel E. Gur, M.D. Ph.D.

DEPARTMENT: Psychiatry

DATE: 06/22/2016

Ongoing Research Support

NIH T32 MH019112 (Gur, RE) 07/01/14 - 06/30/19
Schizophrenia: A Neuropsychiatric Perspective, This postdoctoral training grant provides stipends for Fellows to pursue research training in the neurobiology of schizophrenia.

NIH P50MH096891 (Gur, RE) 09/01/12 - 05/31/17
Developmental Trajectories of Negative Symptoms in Schizophrenia. The goal of this Center grant is to probe brain circuitry that underlies the core negative symptoms of schizophrenia, diminished emotional expressivity and social drive, in humans and mice. It capitalizes on new collaborations and advances in the field, pursuing translational aims with multi-level complementary approaches focused on dissecting major phenotypic features of schizophrenia that are of clinical importance yet poorly understood.

NIH U01 MH087626 (Gur, RE) 09/10/10 – 05/31/17
1/2 Brain-Behavior and Genetic studies of the 22q11DS
Brain-Behavior and Genetic Studies of the 22q11DS is a collaborative U01 between Children’s Hospital of Philadelphia (CHOP) and the University of Pennsylvania (Penn) combines genetic and neurobiologic paradigms to advance understanding of the pathogenesis of schizophrenia.

NIH U01MH101719 (Gur, RE) 09/26/13 – 07/31/17
1/5 International Consortium on Brain and Behavior in 22q11.2 Deletion Syndrome
This is a collaborative U01 of 22 institutions, with one genomic and four phenotyping leading sites. The collaboration combines genomic with neuropsychiatric and neurobehavioral paradigms to advance the understanding of the pathogenesis of schizophrenia (SZ) and related phenotypes.

NIH U01 MH096756 (Subcontract PI: Gur, RC) 01/10/13 - 12/31/17
1/3 Genomics of Schizophrenia in the South African Xhosa
This project proposes a 10-test neurocognitive battery that’s selected from a larger battery and measures performance across 10 neurocognitive domains in approximately 35 minutes.

NIH P30MH097488 (Evans) 06/03/13 – 05/31/18
Penn mental health AIDS research center
This Center focuses on the combination of mental illness and HIV/AIDS and related comorbidities to develop innovative, integrated treatments to optimize psychiatric, behavioral, and medical outcomes and to achieve a better understanding of the biological, psychological, and behavioral mechanisms underlying these combined illnesses and treatments.
This grant proposes to perform a pilot proof of concept study to construct an effective protocol for incorporating Thespian principles into the treatment of social cognition deficits in CHR.

The goal of this project is to identify rare genetic variations that contribute to the brain deficits and the risk for schizophrenia, using extensive family based resources that we have already accumulated. We aim to identify rare SCZ risk variants in multiplex families using an efficient and cost effective strategy that combines novel founder-specific linkage analyses, whole genome sequencing of selected individuals and panels of selected SNPs. Using the available extensive quantitative data, we will investigate the expression of the risk loci beyond affection status and take a dimensional approach to vulnerability and severity. We will also investigate the expression of the rare variants in neurons differentiated from induced pluripotent stem cells.

This is an eight site international consortium designed to identify rare causal variants for affective and psychotic illnesses using extended multiplex pedigrees. The goal is to identify genes that increase risk for affective and psychotic disorders like schizophrenia, bipolar disorder and major depression.

The project will identify candidate parameters for genomic analysis with a battery of network diagnostics including segregation and modularity as defined by multi-scale community detection methods, establish normative development effects and aberrations associated with psychopathology, examine the GWAS findings from the PGC and associated polygene scores and their effects on patterns of development and emerging biotypes, and validate these findings in a sample with 24 and 36 months follow-up.

The study plan involves the recruitment and evaluation of 162 psychosis-spectrum (PS) cases with clinical, neurocognitive, neuroimaging, and blood-based assays at baseline and 18-month and 36-month follow-up.
### CURRENT GRANT SUPPORT

**NAME:** John D. Herrington, Ph.D.  
**DEPARTMENT:** Psychiatry  
**DATE:** 05/23/2016

<table>
<thead>
<tr>
<th>Name of Grant</th>
<th>Period of Award</th>
<th>Grant Category*</th>
<th>Role in Grant**</th>
<th>% Effort</th>
<th>Funding Source</th>
<th>Current Annual Direct Cost</th>
<th>Additional Comments***</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. SMA1041755 - Temporal Dynamics of Learning: Perceptual and motor learning of dynamic facial expressions: An intervention for children with autism</td>
<td>10/01/2013 - 09/30/2017</td>
<td>FG</td>
<td>Investigator</td>
<td>5</td>
<td>National Science Foundation</td>
<td>$33,000.00</td>
<td></td>
</tr>
<tr>
<td>2. MH099021-01 - Toward Outcome Measurement of Anxiety in Youth with Autism Spectrum Disorders</td>
<td>09/15/2012 - 05/21/2016</td>
<td>RO1</td>
<td>Investigator</td>
<td>15</td>
<td>NIH</td>
<td>$127,003.00</td>
<td></td>
</tr>
<tr>
<td>3. Biobehavioral Markers of Anxiety in Autism Spectrum Disorder</td>
<td>06/01/2012 - 07/01/2015</td>
<td>IG</td>
<td>PI</td>
<td>75</td>
<td>Shire Pharmaceuticals</td>
<td>$682,303.00</td>
<td>In no-cost extension; salary support for the PI will resume January 2015</td>
</tr>
</tbody>
</table>

---

### CURRENT GRANT SUPPORT

**NAME:** Matthew C. Hocking, PhD  
**DEPARTMENT:** Psychiatry  
**DATE:** October, 2015

<table>
<thead>
<tr>
<th>Grant Name &amp; Period of Award</th>
<th>Sponsor Number</th>
<th>Role in Grant**</th>
<th>% Effort</th>
<th>Funding Source</th>
<th>Additional Comments***</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. N/A- A Parent Companion Intervention to CogmedRM in Pediatric Brain Tumor Survivors: An Initial, Randomized Clinical Trial</td>
<td>PG</td>
<td>PI</td>
<td>5%</td>
<td>CCCR/ALSF</td>
<td>$50,000</td>
</tr>
<tr>
<td>2. 1R03CA162970-01A1 - Neurocognitive and Family Functioning at End of Therapy in Pediatric Brain Tumor</td>
<td>FG (R03)</td>
<td>PI</td>
<td>10%</td>
<td>NCI</td>
<td>$50,000</td>
</tr>
</tbody>
</table>

---

54
<table>
<thead>
<tr>
<th>Grant Number</th>
<th>PI</th>
<th>Project Name</th>
<th>Start Date</th>
<th>End Date</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1K07CA178100-01</td>
<td></td>
<td>A Prospective Study of Social Competence in Pediatric Brain Tumor Survivors</td>
<td>9/23/13-8/13/18</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# CURRENT GRANT SUPPORT

**NAME:** Emily Kuschner, PhD  
**DEPARTMENT:** Psychiatry  
**DATE:** 5/12/16

<table>
<thead>
<tr>
<th>Name of Grant &amp; Sponsor Number#</th>
<th>Period of Award</th>
<th>Grant Category*</th>
<th>Role in Grant **</th>
<th>% Effort</th>
<th>Funding Source</th>
<th>Current Annual Direct Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. U54HD086984 - MEG Studies of Auditory Processing in Minimally/Non-verbal Children with ASD and Intellectual Disability</td>
<td>11/1/15 – 5/31/20</td>
<td>PP</td>
<td>Co-I</td>
<td>29.10</td>
<td>NICHD</td>
<td>$177,303</td>
</tr>
<tr>
<td>2. 1R01HD073258 - Magnetoencephalographic Studies Of Lexical Processing And Abstraction In Autism</td>
<td>8/13/12 – 5/13/17</td>
<td>R01</td>
<td>Phenotyping Psychologist</td>
<td>5.00</td>
<td>NICHD</td>
<td>$92,492</td>
</tr>
<tr>
<td>3. N/A – It's not how you start, but how you finish: Development and Standardization of Picky Eating Treatment Outcome Measures</td>
<td>11/1/14 – 10/31/16</td>
<td>PG</td>
<td>PI</td>
<td>0.00</td>
<td>CHOP/UPenn McMorris Autism Initiative</td>
<td>$3,685</td>
</tr>
</tbody>
</table>

---

**NAME:** Stephen Scott Leff, Ph.D.  
**DEPARTMENT:** Pediatrics  
**DATE:** 04/14/2016

<table>
<thead>
<tr>
<th>Name of Grant</th>
<th>Period of Award</th>
<th>Grant Category*</th>
<th>Role in Grant**</th>
<th>% Effort</th>
<th>Funding Source</th>
<th>Current Annual Direct Cost</th>
<th>Additional Comments***</th>
</tr>
</thead>
<tbody>
<tr>
<td>3. - Partner for Prevention (P4P): A Whole School Approach to Peer Bullying</td>
<td>09/01/2013 - 08/31/2016</td>
<td>FG</td>
<td>Principal Investigator</td>
<td>30</td>
<td>The Institute of Education Sciences, Department of Education</td>
<td>$350,000.00</td>
<td></td>
</tr>
<tr>
<td>4. - Leadership Education on Neurodevelopmental &amp; Related Disabilities (LEND)</td>
<td>07/01/2011 - 06/30/2016</td>
<td>TG</td>
<td>Res. Dir. &amp; Training Faculty</td>
<td>22</td>
<td>Maternal and Child Health Bureau</td>
<td>$486,740.00</td>
<td></td>
</tr>
</tbody>
</table>
## CURRENT GRANT SUPPORT

**NAME:** Debra S. Lefkowitz, Psy.D.  
**DEPARTMENT:** Psychiatry  
**DATE:** October 2015

<table>
<thead>
<tr>
<th>Name of Grant &amp; Sponsor Number#</th>
<th>Period of Award</th>
<th>Grant Category*</th>
<th>Role in Grant**</th>
<th>% Effort</th>
<th>Funding Source</th>
<th>Current Annual Direct Cost</th>
<th>Additional Comments***</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Pediatric Heart Transplantation: Transitioning to Adult Care (TRANSIT) 1R34HL111492</td>
<td>7/15/2013-6/30/2016</td>
<td>R34</td>
<td>Site PI</td>
<td>0.01</td>
<td>NIH</td>
<td>$5,500</td>
<td></td>
</tr>
</tbody>
</table>

**NAME:** Leanne Magee, PhD  
**DEPARTMENT:** DCAPBS/Plastic & Reconstructive Surgery  
**DATE:** October, 2013

<table>
<thead>
<tr>
<th>Grant Name &amp; Sponsor Number</th>
<th>Period of Award</th>
<th>Grant Category*</th>
<th>Role in Grant**</th>
<th>% Effort</th>
<th>Funding Source</th>
<th>Annual Direct Cost</th>
<th>Additional Comments***</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Craniofacial Microsomia: Longitudinal Outcomes in Children pre-Kindergarten (CLOCK) 1R01DE022438-01</td>
<td>2012 – 2017</td>
<td>R01</td>
<td>Co-Investigator</td>
<td>20%</td>
<td>NIDCR</td>
<td></td>
<td>Multicenter</td>
</tr>
<tr>
<td>2. Importance of Appearance to Patients with Visual Impairment</td>
<td>2013</td>
<td>PG</td>
<td>Co-Investigator</td>
<td>0%</td>
<td>Center for Human Appearance, University of Pennsylvania</td>
<td></td>
<td>Single center; $10,000 one-time award; No salary support provided</td>
</tr>
<tr>
<td>3. Psychosocial Functioning in Pediatric Ptosis Patients and their Parents</td>
<td>2010-2015</td>
<td>PG</td>
<td>Principal Investigator</td>
<td>0%</td>
<td>Center for Human Appearance, University of Pennsylvania</td>
<td></td>
<td>Single center; $10,000 one-time award; No salary support provided</td>
</tr>
<tr>
<td>4. Family and Adolescent Self Image Study (IRB maintenance only)</td>
<td></td>
<td>FG</td>
<td>Site PI</td>
<td>0%</td>
<td>NIH-NIDCR</td>
<td></td>
<td>Multicenter; serving as IRB of record for Dr. Crerand’s project at Nationwide</td>
</tr>
<tr>
<td></td>
<td>Project Description</td>
<td>Sponsor #</td>
<td>PI %</td>
<td>Site PI</td>
<td>Other Information</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>--------------------------------------</td>
<td>-----------</td>
<td>------</td>
<td>---------</td>
<td>-----------------------------------------------------------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Child Learning Project</td>
<td>Not Available</td>
<td>0</td>
<td></td>
<td>Multicenter; serving as recruitment sub-site for Northwestern</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Name of Grant &amp; Sponsor Number#</td>
<td>Period of Award</td>
<td>Grant Category*</td>
<td>Role in Grant **</td>
<td>% Effort</td>
<td>Funding Source</td>
<td>Current Annual Direct Cost</td>
<td></td>
</tr>
<tr>
<td>--------------------------------</td>
<td>-----------------</td>
<td>-----------------</td>
<td>------------------</td>
<td>----------</td>
<td>----------------</td>
<td>---------------------------</td>
<td></td>
</tr>
<tr>
<td>1. Distributing Cellie Cancer Kits Sponsor # Not Available</td>
<td>12/15/2011- Ongoing</td>
<td>PG</td>
<td>PI</td>
<td>1%</td>
<td>Coach Wags Foundation</td>
<td>$34,500</td>
<td></td>
</tr>
<tr>
<td>2. Understanding Predictors of Post-Traumatic Stress After Pediatric Medical Events Sponsor #1K23MH093618-01A1</td>
<td>4/5/2012- 6/30/2016</td>
<td>FG</td>
<td>PI</td>
<td>75%-90%</td>
<td>NIH/NIMH K23</td>
<td>$134,000</td>
<td></td>
</tr>
<tr>
<td>3. Violence Prevention Initiative Sponsor # Not Available</td>
<td>7/1/2013- 6/30/2018</td>
<td>PG</td>
<td>Training Lead</td>
<td>10%</td>
<td>CHOP</td>
<td>$746,057</td>
<td></td>
</tr>
<tr>
<td>4. Testing the Feasibility and Effectiveness of the Cellie Coping Kit for Injury in Children Who Have Experienced a Mild or Moderate TBI Sponsor # Not Available</td>
<td>1/1/2015 - 12/31/2016</td>
<td>PG</td>
<td>Co-PI</td>
<td>1%</td>
<td>Akron Children's Hospital Foundation</td>
<td>$8,000</td>
<td></td>
</tr>
<tr>
<td>5. An eHealth solution for posttraumatic stress and pain screening integrated in pediatric injury care</td>
<td>12/1/2015- 11/30/2016</td>
<td>FG</td>
<td>Co-I</td>
<td>10%</td>
<td>NIH</td>
<td>$210,472</td>
<td></td>
</tr>
</tbody>
</table>
## CURRENT GRANTS SUPPORT

**NAME** Jennifer A. Mautone, Ph.D., NCSP, ABPP  
**DEPARTMENT** Psychiatry  
**DATE** May 2016

<table>
<thead>
<tr>
<th>Name of Grant &amp; Sponsor Number</th>
<th>Period of Award</th>
<th>Grant Category*</th>
<th>Role in Grant**</th>
<th>% Effort</th>
<th>Funding Source</th>
<th>Annual Direct Cost</th>
<th>Additional Comments***</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Targeting School Climate and Children’s Behavioral Health in Urban Schools R01HD073430</td>
<td>1/1/13-12/31/17</td>
<td>R01</td>
<td>Co-I/PD</td>
<td>45</td>
<td>NIH/NICHD</td>
<td>$401,824</td>
<td>PI – R. Eiraldi</td>
</tr>
<tr>
<td>2. Graduate Psychology Education at CHOP D40HP25714</td>
<td>7/1/13-6/30/16</td>
<td>TG</td>
<td>Training faculty</td>
<td>20</td>
<td>HRSA/BHPr</td>
<td>$150,149</td>
<td></td>
</tr>
</tbody>
</table>

---

60
### CURRENT GRANT SUPPORT

**NAME** Judith S. Miller, Ph.D.  
**DEPARTMENT** Psychiatry  
**DATE** March, 2016

<table>
<thead>
<tr>
<th>Name of Grant &amp; Category*</th>
<th>Period of Grant</th>
<th>Grant</th>
<th>Role in Grant**</th>
<th>% Effort</th>
<th>Funding Source</th>
<th>Annual Direct Cost</th>
<th>Additional Funding</th>
<th>Sponsor Number</th>
<th>Award</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Leadership Education in Neurodevelopmental And Related Disabilities</td>
<td>7/1/1999-6/30/2016</td>
<td>FG</td>
<td>Investigator</td>
<td>22%</td>
<td>Health Resources and Services Administration</td>
<td>$753,690</td>
<td></td>
<td></td>
<td>PI: N. Blum</td>
</tr>
<tr>
<td>Project Title</td>
<td>Start Date</td>
<td>End Date</td>
<td>Role</td>
<td>% of Cost</td>
<td>Source</td>
<td>Budget</td>
<td>PIs/Owners</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------------------------------------------------</td>
<td>------------</td>
<td>----------</td>
<td>-----------------------</td>
<td>-----------</td>
<td>-------------------------------------</td>
<td>--------</td>
<td>-----------------------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. CHOP/Penn McMorris Autism Initiative</td>
<td>7/1/2014</td>
<td>6/30/2018</td>
<td>Training Director</td>
<td>10%</td>
<td>McMorris Family Foundation</td>
<td>$125,000</td>
<td>PIs: R Schultz &amp; D. Mandell</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Finally Making Response to Name useful as a</td>
<td>11/1/2014</td>
<td>3/31/2016</td>
<td>Primary Investigator</td>
<td>1.28%</td>
<td>McMorris Family Foundation</td>
<td>$25,000</td>
<td>PIs: R Schultz &amp; D. Mandell Diagnostic Indicator Extension</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Administrative – Core A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5P30HD026979-25-S1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. Supporting the Clinical Development Program of</td>
<td>9/1/2015</td>
<td>6/30/2016</td>
<td>Primary Investigator</td>
<td>3%</td>
<td>Lumos Pharma</td>
<td>$40,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LUM001 in Creatine Transporter Deficiency</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. A Study to Assess the Janssen Autism Knowledge Engine in Children and Adults with Autism Spectrum Disorder Developing Cohort</td>
<td>8/1/2015</td>
<td>12/31/2016</td>
<td>Primary Investigator</td>
<td>3%</td>
<td>Janssen Research &amp; Development</td>
<td>$125,277</td>
<td>Multisite Clinical Trial; Budget is variable depending on the number of and in a Normally Developing Cohort participants enrolled</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
CURRENTGRANT SUPPORT

NAME **Wanjiku F. M. Njoroge, M.D.**  
DEPARTMENT Psychiatry  
DATE 2/27/15

<table>
<thead>
<tr>
<th>Name of Grant &amp; Period of Award</th>
<th>Sponsor Number#</th>
<th>Grant Category*</th>
<th>Role in Grant **</th>
<th>% Effort</th>
<th>Funding Source</th>
<th>Current Annual Direct Cost</th>
<th>Additional Comments***</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Graduate Psychology Education Programs</td>
<td>D40 HP25714-01-00</td>
<td>FG/TG</td>
<td>Training Faculty</td>
<td>5%</td>
<td>Health Resources and Services Administration</td>
<td>$150,149</td>
<td></td>
</tr>
</tbody>
</table>

CURRENTGRANT SUPPORT

NAME **Iris Paltin, Ph.D.**  
DEPARTMENT Psychiatry  
DATE November, 2015

<table>
<thead>
<tr>
<th>Grant Name &amp; Sponsor Number</th>
<th>Period of Award</th>
<th>Grant Category*</th>
<th>Role in Grant **</th>
<th>% Effort</th>
<th>Funding Source</th>
<th>Annual Direct Cost</th>
<th>Additional Comments***</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Proton Radiation Therapy Data Registry for Childhood Brain and Spinal Tumors</td>
<td>10/1/2011-current</td>
<td>0</td>
<td>Co-Investigator</td>
<td>10%</td>
<td>CHOP/PENN</td>
<td>Unfunded</td>
<td>Note: no end date; ongoing collection process; perpetuity Neuropsychologist/Co-Investigator; Supervise data management PI: Peter Phillips, MD</td>
</tr>
<tr>
<td>Study Title</td>
<td>Start Date</td>
<td>End Date</td>
<td>Role in Grant**</td>
<td>% Effort</td>
<td>Funding Source</td>
<td>Annual Direct Cost</td>
<td>Additional Comments</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------</td>
<td>------------</td>
<td>----------</td>
<td>-----------------</td>
<td>---------</td>
<td>-----------------------------------------</td>
<td>-------------------</td>
<td>-------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>2. Neuropsychological, Social, Emotional and Behavioral Outcomes in Children with Cancer (COG ALTE07C1)</td>
<td>11/01/2011 - current</td>
<td></td>
<td>CT</td>
<td>Behavioral Site Monitor/Site Neuropsychologist</td>
<td>Children's Oncology Group (COG)</td>
<td>Children's Oncology Group (COG)</td>
<td>Note: no end date; ongoing collection process until a certain number of patients enroll. Communicate with multiple hospitals in US and Australia, liaison with national COG. PI: Leanne Embry, PhD</td>
</tr>
<tr>
<td>3. Comparison of treatment-related morbidities in pediatric patients with standard risk medulloblastoma treated with craniospinal irradiation using either photons or protons</td>
<td>6/1/2013 - current</td>
<td></td>
<td>O</td>
<td>Site Principal Investigator</td>
<td>NYU</td>
<td>Unfunded</td>
<td>Note: no end date; ongoing collection process; perpetuity Site Neuropsychologist PI: Jeffrey C. Allen, M.D.</td>
</tr>
<tr>
<td>4. A Parent Companion Intervention to CogmedRM in Pediatric Brain Tumor Survivors: An Initial, Randomized Clinical Trial (CCCR-ALSF)</td>
<td>7/1/2013 – 6/30/2014 with No Cost Extension [NCE] to 12/31/2014</td>
<td></td>
<td>PG</td>
<td>Site Co-I</td>
<td>CCCR-ALSF (Alex’s Lemonade Stand Foundation)</td>
<td>$25,000</td>
<td>Site Neuropsychologist PI: Matthew Hocking, PhD</td>
</tr>
<tr>
<td>5. Computerized Cognitive Training for Pediatric Brain Tumor Patients: A Pilot Study. (ACCL10P1)</td>
<td>11/1/2013-12/31/2014</td>
<td></td>
<td>CT</td>
<td>Behavioral Site Monitor/Site Neuropsychologist</td>
<td>Children's Oncology Group (COG)</td>
<td>Children's Oncology Group (COG)</td>
<td>Site Neuropsychologist/Co-Investigator PI: Kristina Hardy, PhD</td>
</tr>
<tr>
<td>6. A Phase II Study for the Treatment of Non-Metastatic Desmoplastic Medulloblastoma in Children Less than 4 Years of Age. (ACNS1221)</td>
<td>4/1/2014 – current</td>
<td></td>
<td>CT</td>
<td>Behavioral Site Monitor/Site Neuropsychologist</td>
<td>Children's Oncology Group (COG)</td>
<td>Children's Oncology Group (COG)</td>
<td>Note: no end date; ongoing collection process until a certain amount of patients have been enrolled. Communicate with multiple hospitals in US and Australia, liaison with national COG. PI: Lucie LaFay-Cousin, MD</td>
</tr>
</tbody>
</table>
## CURRENT GRANT SUPPORT

### NAME  
Juhi Pandey, PhD

### DEPARTMENT

### DATE  
10/07/2015

<table>
<thead>
<tr>
<th>Grant Name &amp; Period of Grant</th>
<th>Category*</th>
<th>Role in Grant**</th>
<th>% Effort</th>
<th>Funding Source</th>
<th>Annual Funding</th>
<th>Direct Cost</th>
<th>Comments***</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. A Longitudinal MRI Risk for Autism; 5R01HD055741-09</td>
<td>9/4/12-5/31/17</td>
<td>FG</td>
<td>Co-Investigator</td>
<td>30% effort</td>
<td>NIH</td>
<td>$316,737 Prime (PI: Piven, Study of Infants at UNC) Subcontract to CHOP (PI: Schultz)</td>
<td></td>
</tr>
<tr>
<td>2. Centers for Autism and Developmental Disabilities Epidemiology (CADDRE): Study to Explore Early Development; 5U01DD000752-05</td>
<td>7/1/11-6/30/16</td>
<td>FG</td>
<td>Co-Investigator</td>
<td>30% effort</td>
<td>CDC</td>
<td>$207,485 Prime (PI: Pinto-Martin, Penn) Research and Epidemiology Subcontract to CHOP (PI: Levy)</td>
<td></td>
</tr>
<tr>
<td>3. Concluding Follow-Up Of Families Enrolled in EARLI Cohort; No Award No.</td>
<td>12/1/11-6/30/16</td>
<td>PG</td>
<td>Co-Investigator</td>
<td>30% effort</td>
<td>Autism Speaks</td>
<td>$83,226 Prime (PI: Newschaffer, Drexel)Subcontract to CHOP (PI: Levy)</td>
<td></td>
</tr>
<tr>
<td>4. CROSS: Collaborative Risk and Outcome Scientific The IBIS-EARLI Collaboration</td>
<td>1/1/09-12/31/15</td>
<td>PG</td>
<td>Other Significant</td>
<td>0% effort</td>
<td>Autism Speaks</td>
<td>$8,238 Prime (PI: Piven, UNC) Subcontract Study to CHOP (PI: Schultz)</td>
<td></td>
</tr>
</tbody>
</table>
### CURRENT GRANT SUPPORT

**NAME** Julia Parish-Morris, Ph.D.  
**DEPARTMENT** Psychiatry  
**DATE** September, 2015

<table>
<thead>
<tr>
<th>Name of Grant &amp; Sponsor Number#</th>
<th>Period of Award</th>
<th>Grant Category*</th>
<th>Role in Grant **</th>
<th>% Effort</th>
<th>Funding Source</th>
<th>Current Annual Direct Cost</th>
<th>Additional Comments***</th>
</tr>
</thead>
</table>
| 1. Language as a moderator of treatment response in preschoolers with ASD  
Sponsor # N/A | 11/1/14-10/31/15 | PG | PI | 10% | McMorris Foundation | $24,847 | Research support, no salary |
| 2. Developing automated algorithms to assess linguistic variation in individuals with autism  
Sponsor # 14.1007 | 7/1/14-6/30/15  
(6-month no cost extension until 12/30/15) | TG | PI | 10% | Autism Science Foundation | $35,000 | Currently in a 6-month no-cost extension until 12/30/15 |
| 3. Maturational biology of social attention in autism spectrum disorder  
Sponsor # UL1TR000003 | 7/1/15-6/30/17 | PG | Postdoctoral Researcher | 12.5% | ITMAT Pilot Grant, CHOP | $45,801 | Research and salary support |
| 4. Finding a "linguistic signature" of autism spectrum disorder  
Sponsor # N/A | 7/1/08-6/30/18 | PG | Co-I | 67.5% | Allerton Foundation | $500,000 | Research and salary support |
## CURRENT GRANT SUPPORT

**NAME**  **Thomas J. Power, Ph.D.**  
**DEPARTMENT**  Pediatrics  
**DATE**  7/1/14

<table>
<thead>
<tr>
<th>Name of Grant</th>
<th>Period of Award</th>
<th>Grant Category*</th>
<th>Role in Grant **</th>
<th>% Effort</th>
<th>Funding Source</th>
<th>Current Annual Direct Cost</th>
<th>Additional Comments***</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Preparing Psychology Interns For Community Practice</td>
<td>9/30/12-9/29/15</td>
<td>TG</td>
<td>Project Faculty</td>
<td>.05</td>
<td>HRSA</td>
<td>$58,500</td>
<td>PI: Robins</td>
</tr>
<tr>
<td>2. Targeting school climate and children’s behavioral health in urban schools</td>
<td>2/1/13-1/31/18</td>
<td>R01</td>
<td>Co-I</td>
<td>.04</td>
<td>NICHD</td>
<td>$479,000</td>
<td>PI: Eiraldi</td>
</tr>
<tr>
<td>3. Graduate Psychology Education</td>
<td>2/22/10-2/21/15</td>
<td>TG</td>
<td>Co-PI</td>
<td>.075</td>
<td>HRSA/BHPr</td>
<td>$139,027</td>
<td>Co-PI: Robins</td>
</tr>
<tr>
<td>4. Educating and Supporting Primary Care Providers in Implementing EBP for ADHD</td>
<td>1/1/14-12/31/15</td>
<td>IG</td>
<td>Co-PI</td>
<td>.125</td>
<td>Pfizer</td>
<td>$201,272</td>
<td>Co-PI: Fiks</td>
</tr>
<tr>
<td>5. Longitudinal study of adverse driving outcomes among adolescents with ADHD</td>
<td>10/1/14-7/31/17</td>
<td>R01</td>
<td>Co-I</td>
<td>.05</td>
<td>NICHD</td>
<td>$305,000</td>
<td>PI: Curry</td>
</tr>
</tbody>
</table>

---

*Period of Award*  

**Role in Grant**  

**% Effort**  

**Funding Source**  

**Current Annual Direct Cost**  

**Additional Comments***
6. Communication to Improve Shared Decision Making in ADHD

7. Diagnostic Driving: Real Time Driver Condition Detection through Analysis of Driving Behavior

<table>
<thead>
<tr>
<th>Name of Grant &amp; Period of Grant</th>
<th>Award</th>
<th>Sponsor Number</th>
<th>Funding Source</th>
<th>Annual Direct Cost</th>
<th>Additional Comments***</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Training Behavioral Pediatricians: The MCHB-Penn Partnership 7/1/2013-6/30/2018</td>
<td>FG/TG</td>
<td>T77MC00012-18-00</td>
<td>Maternal Child Health Bureau/Health Resources and Services Administration</td>
<td>$763,555</td>
<td></td>
</tr>
<tr>
<td>2. UAP Leadership Education in Neurodevelopmental Disabilities 7/1/2013-11-01</td>
<td>FG/TG</td>
<td>T73MC00051-11-01</td>
<td>Maternal Child Health Bureau/Health Resources and Services Administration</td>
<td>$64,000</td>
<td></td>
</tr>
<tr>
<td>3. Mental and Behavioral Health Education and Training Program 9/30/12-9/29/15</td>
<td>FG/TG</td>
<td>M01HP25180</td>
<td>Health Resources and Services Administration</td>
<td>$64,000</td>
<td></td>
</tr>
<tr>
<td>4. Graduate Psychology Education Programs 7/1/2013-6/30/2016</td>
<td>FG/TG</td>
<td>$150,149</td>
<td>Project Director</td>
<td>Health Resources and Services Administration</td>
<td></td>
</tr>
</tbody>
</table>

CURRENT GRANT SUPPORT

NAME  **Paul M. Robins, Ph.D.**

DEPARTMENT  Psychiatry

DATE  July 2015

<table>
<thead>
<tr>
<th>Name of Grant &amp; Period of Grant</th>
<th>Award</th>
<th>Sponsor Number</th>
<th>Funding Source</th>
<th>Annual Direct Cost</th>
<th>Additional Comments***</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Training Behavioral Pediatricians: The MCHB-Penn Partnership 7/1/2013-6/30/2018</td>
<td>FG/TG</td>
<td>T77MC00012-18-00</td>
<td>Maternal Child Health Bureau/Health Resources and Services Administration</td>
<td>$763,555</td>
<td></td>
</tr>
<tr>
<td>2. UAP Leadership Education in Neurodevelopmental Disabilities 7/1/2013-11-01</td>
<td>FG/TG</td>
<td>T73MC00051-11-01</td>
<td>Maternal Child Health Bureau/Health Resources and Services Administration</td>
<td>$64,000</td>
<td></td>
</tr>
<tr>
<td>3. Mental and Behavioral Health Education and Training Program 9/30/12-9/29/15</td>
<td>FG/TG</td>
<td>M01HP25180</td>
<td>Health Resources and Services Administration</td>
<td>$64,000</td>
<td></td>
</tr>
<tr>
<td>4. Graduate Psychology Education Programs 7/1/2013-6/30/2016</td>
<td>FG/TG</td>
<td>$150,149</td>
<td>Project Director</td>
<td>Health Resources and Services Administration</td>
<td></td>
</tr>
</tbody>
</table>
### CURRENTGRANT SUPPORT

**NAME:** Alix Timko, Ph.D.  
**DEPARTMENT:** Psychiatry  
**DATE:** March 2015

<table>
<thead>
<tr>
<th>Name of Grant &amp; Sponsor Number#</th>
<th>Period of Award</th>
<th>Grant Category*</th>
<th>Role in Grant **</th>
<th>% Effort</th>
<th>Funding Source</th>
<th>Current Annual Direct Cost</th>
<th>Additional Comments***</th>
</tr>
</thead>
</table>

---

### CURRENTGRANT SUPPORT

**NAME:** Melissa S. Xanthopoulos, Ph.D.  
**DEPARTMENT:** Child and Adolescent Psychiatry and Behavioral Sciences  
**DATE:** 05/31/16

<table>
<thead>
<tr>
<th>Name of Grant</th>
<th>Period of Award</th>
<th>Grant Category*</th>
<th>Role in Grant**</th>
<th>% Effort</th>
<th>Current Annual Direct Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. R01HD071981 Cardiometabolic Risk Factor and Obesity in Adolescents with Down Syndrome</td>
<td>09/01/2012–07/31/2017</td>
<td>R01</td>
<td>Co-Investigator</td>
<td>10</td>
<td>$386,559</td>
</tr>
<tr>
<td>2. Infant Growth and Microbiome Study</td>
<td>04/01/2014–03/31/2017</td>
<td>0</td>
<td>Collaborator</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>3. Bridge Funding-Treatment of Adolescent Obesity</td>
<td>07/01/15–06/30/2016</td>
<td>0</td>
<td>Clinical Research Psychologist</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>
## CURRENT GRANT SUPPORT

**NAME**  Benjamin E. Yerys, Ph.D.  
**DEPARTMENT**  Psychiatry  
**DATE**  May, 2016

<table>
<thead>
<tr>
<th>Name of Grant &amp; Period of Grant</th>
<th>Sponsor Number</th>
<th>Award Category*</th>
<th>Role in Grant**</th>
<th>% Effort</th>
<th>Funding Source</th>
<th>Annual Direct Cost</th>
<th>Additional Comments***</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Longitudinal study 9/22/14-7/31/17 FG</td>
<td></td>
<td></td>
<td>Co-I</td>
<td>10</td>
<td>NICHD</td>
<td>$350,000</td>
<td>of adverse driving outcomes among adolescents with ADHD</td>
</tr>
<tr>
<td>2. Focus testing/Pilot of Planet EVO 7/1/15-6/30/16 IG</td>
<td></td>
<td></td>
<td>PI</td>
<td>1</td>
<td>Akili Interactive Labs</td>
<td>$30,000</td>
<td></td>
</tr>
<tr>
<td>3. Dimensional analysis of developmental brain disorders using an online, genome-first approach 9/15/15-5/31/20 FG</td>
<td></td>
<td></td>
<td>Co-I</td>
<td>10</td>
<td>NIMH</td>
<td>$485,256</td>
<td></td>
</tr>
<tr>
<td>4. Development of an executive function battery 4/1/15-9/30/15 PG</td>
<td></td>
<td></td>
<td>PI</td>
<td>4</td>
<td>McMorris Family Foundation</td>
<td>$25,000</td>
<td>for preschoolers with AS</td>
</tr>
</tbody>
</table>
CURRENT GRANT SUPPORT

NAME: James Yi, MD, PhD  DEPARTMENT: Psychiatry  DATE: 02/05/16

<table>
<thead>
<tr>
<th>Name of Grant</th>
<th>Period of Award</th>
<th>Grant Category*</th>
<th>Role in Grant**</th>
<th>% Effort</th>
<th>Funding Source</th>
<th>Annual Direct Cost</th>
<th>Additional Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>1K23MH108736-01</td>
<td>09/15/15-08/31/19</td>
<td>NIMH K23</td>
<td>PI</td>
<td>80%</td>
<td>NIMH</td>
<td>$169,279</td>
<td></td>
</tr>
</tbody>
</table>

*For Grant Category, use code in bold from the following menu:

** For program projects, specify whether PI, co-leader or project leader. For center, core and training grants, similarly specify your role.*** Include any additional, brief information. For clinical trials, for example, specify if multicenter or single center and indicate role of Penn site. Explain any grants in Other category.