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Shinnyi Chou, MD, PhD, John E. Schowalter Resident Member
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Research Committee Roster

Daniel P. Dickstein, MD, Co-chair
Manpreet K. Singh, MD, MS, Co-chair
Abidemi Adegbola, MD
David Cochran, MD, PhD
Rasim Somer Diler, MD
Kate D. Fitzgerald, MD
Lisa R. Fortuna, MD, MPH
Anne L. Glowinski, MD, MPE
Kevin M. Gray, MD
Ellen J. Hoffman, MD, PhD
Leslie Hulvershorn, MD, MSc
Kevin M. Simon, MD
Jeremy Veenstra-VanderWeele, MD

AACAP Staff
Carmen J. Thornton, MPH, MCHES, Director of Research, Grants, & Workforce
Sarah Hellwege, MEd, Deputy Director of Research, Training, & Education
Daphney Chancy-Green, MS, Grants & Research Program Manager
Dear Supporters, Awardees, and Guests,

On behalf of the American Academy of Child and Adolescent Psychiatry (AACAP) and AACAP’s Research Committee, we extend our sincere thanks for your generous support and participation in AACAP’s Research Awards Programs. As we enter the third year of the COVID-19 global pandemic, the need has never been clearer for substantial partnership with providers, parents, researchers, funders, and industry for innovative research that can create better, more accessible ways to diagnose and to treat children, adolescents, young adults, and families struggling with mental health—so that their future, and ours, is brighter than today.

We gratefully acknowledge AACAP’s past and current supporters, Arbor Pharmaceuticals, LLC, Pfizer Inc., PhRMA, Sunovion Pharmaceuticals Inc., and Supernus Pharmaceuticals, Inc. We look forward to continuing our relationships and developing new ones in the coming time. You will find in the enclosed report updates on the accomplishments, programs, and activities of the Research Committee.

The Research Committee-sponsored award programs enable child and adolescent psychiatrists of all levels—from early-career investigators to senior faculty—to get involved with advancing science in our field. We have achieved success on many levels over the past year, but we continue to face the significant challenge of preparing a greater number of child and adolescent psychiatrists (CAPs) to conduct important research necessary to improve health outcomes for youth, and to advance our field—from autism to suicide, from novel medications and psychotherapeutic interventions to brain-based treatments, from genetics to neuroimaging to epidemiology. Your valuable support has allowed us to further our work in these areas by:

- addressing the critical workforce shortage of national child psychiatry researchers through training endeavors, Pilot Research Awards, Junior Investigator Awards, and annual Research Colloquium; and
- disseminating evidence-based practices to child and adolescent psychiatrists, allied mental health professionals, and primary care practitioners through our annual Research Institute, Research Symposium, and other educational programs in collaboration with other AACAP committees.

We are eager to do even more. This will be our fourth year implementing a career development colloquium for promising clinician researchers at AACAP’s Annual Meeting. This exciting endeavor continues to be a popular and successful mechanism to mentor and track the progress of the next generation of child psychiatry clinician scientists, with growing efforts to recruit child and adolescent psychiatrists from backgrounds traditionally under-represented in funded scientific research. We are grateful for potential collaborators and sponsors who want to help us grow this event and cohort of resultant researchers.

We thank you for your commitment and partnership to further research training, implementation, and dissemination in child and adolescent psychiatry and welcome your thoughts and ideas at the 2022 Research Committee Meeting, and, of course, on an ongoing basis.

Sincerely,

Daniel P. Dickstein, MD                 Manpreet K. Singh, MD, MS
Co-chairs, AACAP’s Research Committee
Dear Supporters, Awardees, and Guests,

On behalf of AACAP's Pilot Research Award Program, we want to sincerely thank you for your continued support of this essential training program for early investigators in the field of child and adolescent psychiatry. We would like to specifically acknowledge the generous support of Supernus Pharmaceuticals, Inc. for contributing to AACAP's Pilot Research Awards in 2021.

AACAP's Pilot Research Award Program provides general psychiatry residents, child and adolescent psychiatry residents, fellows, and early career faculty up to $15,000 for one year of support for research on child and adolescent mental health. Since 1993, more than 245 promising young investigators have received pilot research awards to support their early academic career trajectory. Based on a 2022 search of the National Institutes of Health (NIH) RePORTER database, over 25% of past Pilot Research Award recipients have gone on to secure funding from NIH. Of the awards funded by NIH, 31% were K (career development) mechanisms and 69% were R awards, indicating independence in research. This year’s pool of applicants was well-qualified and made for a competitive selection process. We received 21 complete applications, representing a wide diversity of candidates, institutions, and research areas. We welcome you to view poster presentations of past Pilot Award recipients who completed their projects in 2022 during the AACAP/CACAP 2022 Annual Meeting.

Sincerely,

David Cochrane, MD, PhD
Kate D. Fitzgerald, MD
AACAP Pilot Award Program Co-chairs
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Junior Investigator Award: Recipients

Pilot Research Award: How it Works

Pilot Research Award: Research and Careers

Pilot Research Award: Recipients

From AACAP’S Pilot Award to AACAP’s K12 Award

Research Institute

Research Symposium

Research Colloquium

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Research Committee Roster

AACAP Research Program Sponsors
AACAP’s Research Committee is responsible for the leadership and direction of AACAP’s research-related programs and awards, devoted to advancing medical science for the benefit of mentally ill youth.

**Goals and Responsibilities:**
- To promote the application of a wide variety of methods from a broad array of scientific disciplines to the study of diagnosis and treatment of mental illness in children and adolescents.
- To develop and disseminate information about mental illness and its treatment to patients, providers, research, and policy makers.
  - Responsibilities:
    - To plan and promote the Research Institute and Research Symposium at the Annual Meeting.
- To facilitate junior scientists to enter, develop, and sustain research careers.
  - Responsibilities:
    - To administer the selection processes each year for the Junior Investigator Award, the AACAP Pilot Research Award, the AACAP Pilot Research Award for Attention Disorders, and the AACAP Pilot Research Award for Learning Disabilities. The availability of all awards is contingent upon adequate funding.
    - To plan and promote the Research Colloquium.
- To shape research policy pertaining to research in child and adolescent psychiatry.
- To stimulate, build, and sustain collaboration with other AACAP committees.

**Yearly Activities of the Research Committee**
- Serve as an informal peer oversight committee for AACAP research award programs
- Work to address current issues facing pediatric psychiatry
- Meet virtually once per month
- Meet face-to-face once per year
- Attend research-related meetings in an as-needed basis
Executive Overview

In 2022 the Research Committee focused on...

- Increasing the number of child and adolescent psychiatry researchers through mentored research awards.
- Supporting early career investigators in becoming independent researchers through the Research Colloquium for Early-Career Investigators and the Mentoring Mingle.
- Providing professional development and continuing education to AACAP members through the AACAP Research Institute, the Research Symposium, and other Annual Meeting programming.
- Distributing information to the AACAP membership and the public on issues relevant to research.

There is a critical workforce shortage of child and adolescent psychiatrists in the US. The number of psychiatrists spending a majority of their time performing research into child and adolescent mental health has reached a level of crisis for the future of this field. Some of the obstacles include:

- Increased financial debt due to additional education needed for the medical specialization.
- Lack of funded protected time for research related to child and adolescent mental health.
- An insufficient amount of residency training positions at the nation’s teaching hospitals.

AACAP’s Department of Research, Grants, and Workforce strives to prepare the future child and adolescent psychiatry workforce through research training, clinical training, mentorship, and professional networking. Some of the solutions supported include:

- Exploring new funding streams for research awards made possible by private organizations, federal agencies, and industry contacts.
- Offering numerous funded award programs that provide training opportunities for AACAP members.
- Offering ways to be cross-trained in pediatric and psychiatric care, such as the Triple Board Program.
**AACAP’S RESEARCH, GRANTS, & WORKFORCE RESEARCH AWARD PORTFOLIO**

* DENOTES OVERSIGHT BY RESEARCH COMMITTEE

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**MEDICAL STUDENTS**

**AACAP Summer Medical Student Fellowship Program, supported by AACAP’s Endowment Fund**
- Oversight by the Training and Education Committee and Committee on Medical Students and Residents
- $3,500 for a 12-week mentored summer research fellowship plus travel expenses to AACAP’s Annual Meeting
- Poster presentation at AACAP’s Annual Meeting

**AACAP Jeanne Spurlock, MD, Research Fellowship in Substance Abuse and Addiction for Minority Medical Students, supported by NIDA and AACAP’s Campaign for America’s Kids**
- Oversight by the Substance Use Committee and Diversity and Culture Committee
- $4,000 for a 12-week mentored summer research fellowship plus travel expenses to AACAP’s Annual Meeting
- Poster presentation at AACAP’s Annual Meeting

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**RESIDENTS AND EARLY CAREER FACULTY**

**NIDA/AACAP Resident Training Program in Substance Use Disorders, supported by NIDA**
- Oversight by the Substance Use Committee
- $10,000 for one-year mentored project aimed at the dissemination of substance use treatment research findings plus $2,000 mentor stipend
- Poster presentation at AACAP’s Annual Meeting

**AACAP Junior Investigator Award, supported by AACAP and Industry Supporters***
- Oversight by the Research Committee
- $30,000 per year for a two-year mentored research project relevant to the understanding, treatment, and prevention of child and adolescent health disorders
- Poster presentation at AACAP’s Annual Meeting

**AACAP Pilot Research Award for Early Career Faculty and Child and Adolescent Psychiatry Fellows, supported by AACAP***: **AACAP Pilot Research Award for Attention Disorders and/or Learning Disabilities, supported by AACAP’s Elaine Schlosser Lewis Fund***: **and AACAP Pilot Research Award for General Psychiatry Residents, supported by Industry Supporters***
- Oversight by the Research Committee
- $15,000 for one-year mentored research project plus travel expenses to AACAP’s Annual Meeting
- Poster presentation at AACAP’s Annual Meeting

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**EARLY CAREER FACULTY**

**NIDA/AACAP Physician Scientist Training Program in Substance Use, supported by a NIDA Career Development Award (K12)**
- Oversight by Program Director and Research Committee Member, Kevin Gray, MD, and an AACAP Advisory Committee
- $50,000 research support per year for five-year mentored research project in substance use
- Up to $100,000 per year salary support
- Submission of independent research grant prior to the end of the five-year project period
# AACAP Research Committee-Related Revenue and Expenditures

## Revenue

<table>
<thead>
<tr>
<th>Supporter</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arbor Pharmaceuticals, LLC</td>
<td>$15,000</td>
<td>$20,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Individual Contributions</td>
<td>$1,564</td>
<td>$352</td>
<td>$1,550</td>
<td>$500</td>
</tr>
<tr>
<td>Pfizer Inc.</td>
<td>$40,000</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sunovion Pharmaceuticals Inc.</td>
<td>$25,000</td>
<td>$25,000</td>
<td>$25,000</td>
<td></td>
</tr>
<tr>
<td>Supernus Pharmaceuticals, Inc.</td>
<td>$10,000</td>
<td>$10,000</td>
<td>$5,000</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$76,564</strong></td>
<td><strong>$40,352</strong></td>
<td><strong>$56,550</strong></td>
<td><strong>$5,500</strong></td>
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</tbody>
</table>

## Expenditures

<table>
<thead>
<tr>
<th>Event</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Committee Dinner</td>
<td>$2,378</td>
<td>$6,275</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Junior Investigator Award</td>
<td>$30,277</td>
<td>$44,910</td>
<td>$43,187</td>
<td>$47,859</td>
</tr>
<tr>
<td>Research Symposium</td>
<td>$3,300</td>
<td>$5,991</td>
<td>$3,262</td>
<td>$2,448</td>
</tr>
<tr>
<td>Research Committee</td>
<td>$16,091</td>
<td>$25,929</td>
<td>$14,742</td>
<td>$19,509</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$52,046</strong></td>
<td><strong>$83,105</strong></td>
<td><strong>$61,191</strong></td>
<td><strong>$69,816</strong></td>
</tr>
</tbody>
</table>
To increase the number of child and adolescent psychiatry researchers.

The Junior Investigator Award was created in 2009 to support AACAP members who are child and adolescent psychiatry researchers reach their goal of becoming independent researchers. Since 2009, AACAP has awarded 16 Junior Investigator Awards.

**AACAP Junior Investigator Award Currently Supported by:**

**AACAP and Industry Supporters**

- Support of up to $30,000 per year for two years
- For child and adolescent psychiatry early career faculty (assistant professor level or equivalent)
- Intended to facilitate innovative research:
  - Basic or Clinical
- Relevant to the understanding, treatment, and prevention of child mental health disorders
- Funding support may be used for salary and fringe benefits, supplies, lab costs, etc. as long as they are in the service of the research project
- Recipients are required to submit a presentation on their research at AACAP’s Annual Meeting

**Evaluation of Program Success**

**Applicants**
- Submission of continuing project summary & budget
- Research Committee reviews summary & new applications
- Continued funding based on evaluation & progress to date

**Short-term**
- Marketing effort & return
- High response rate demonstrates program is fulfilling need in research community
- Success of previous awardees

**Long-term**
- Long-Term development of a research career
- Number of additional grants received, presentations, & publications
- Survey evaluation of awardees
NIH-FUNDED GRANTS

- In July 2022, data was retrieved from the NIH Research Portfolio Online Reporting Tools Expenditure and Results (RePORTER) module to identify NIH-funded K, T, and R grants obtained by the past Junior Investigator awardees.

- Of the 15 past recipients, 33% had secured NIH-funded K, T, or R grants. Two recipients had secured more than 1 R grant.

2022 Survey Results

- In April 2022, 15 AACAP Junior Investigator Award recipients were solicited by email to participate in a brief survey to gain better insight into their career direction since receiving the award. Seven of the total number of past Junior Investigator Award recipients participated in the survey.

- Recipients had been engaged in a broad spectrum of research. The most common area of research was anxiety (71%).

100% believe the Junior Investigator Award was *Highly Valuable* in establishing their research career.
<table>
<thead>
<tr>
<th>Year</th>
<th>Award Recipient</th>
<th>Mentor(s)</th>
<th>Institution</th>
<th>Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>2022</td>
<td>Sara B. VanBronkhorst, MD</td>
<td>Cristiane Duarte, PhD, MPH</td>
<td>Columbia University</td>
<td>Oxytocin, Mother-child Interactions and the Intergenerational Transmission of Risk and Resilience to ACEs in a Low-Resource Setting</td>
</tr>
<tr>
<td>2021</td>
<td>Jessica M. Becker, MD</td>
<td>Kenneth A. Freedberg, MD, MSc</td>
<td>Massachusetts General Hospital</td>
<td>Development of a Novel Mathematical Simulation Model of Pediatric Mental Illness and Applications to Assess Expanded Mental Health Coverage for the General Population and Children with Chronic Medical Illness</td>
</tr>
<tr>
<td>2020</td>
<td>Jennifer B. Dwyer, MD, PhD</td>
<td>Michael Bloch, MD, MS</td>
<td>Yale University</td>
<td>Ketamine for Severe Adolescent Depression: Intermediate-term Safety and Efficacy</td>
</tr>
<tr>
<td>2019</td>
<td>Christina Cruz, MD, MEd</td>
<td>Bradley N. Gaynes, MD, MPH</td>
<td>University of North Carolina</td>
<td>Acceptability of Children Receiving Task-shifted Mental Health Care from Teachers</td>
</tr>
<tr>
<td>2018</td>
<td>Heather M. Joseph, DO</td>
<td>Brooke Molina, PhD</td>
<td>University of Pittsburgh</td>
<td>Early Signals of Inattention in Toddlers at Familial Risk for ADHD</td>
</tr>
<tr>
<td>2017</td>
<td>Natalie Ramos, MD, MPH</td>
<td>Jeanne Miranda, PhD</td>
<td>University of California, Los Angeles</td>
<td>Resiliency Education for LGBT Adolescents with Depression and Parent/Caregiver Psychoeducation Group Proposal</td>
</tr>
<tr>
<td>2015</td>
<td>Ernest Pedapati, MD, MS</td>
<td>Donald Gilbert, MD, MS</td>
<td>Cincinnati Children’s Hospital Medical Center</td>
<td>Eye Tracking as a Predictor of Methylphenidate Response in Autism with Comorbid Attention Deficit Hyperactivity Disorder</td>
</tr>
<tr>
<td>2014</td>
<td>Roger Jou, MD, MPH, PhD</td>
<td>Kevin Pelphrey, PhD, &amp; Fred Volkmar, MD</td>
<td>Yale University</td>
<td>Neural Disconnectivity in Autism: Distinguishing Fact from Artifact in Diffusion Imaging</td>
</tr>
<tr>
<td>Year</td>
<td>Award Recipient</td>
<td>Mentor(s)</td>
<td>Institution</td>
<td>Project Title</td>
</tr>
<tr>
<td>------</td>
<td>---------------------------------------------</td>
<td>-----------------------------------------------</td>
<td>-----------------------------------------------</td>
<td>-------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>2014</td>
<td>Luis Patino Duran, MD, MS</td>
<td>Melissa DelBello, MD, MS</td>
<td>University of Cincinnati</td>
<td>Genetic Markers of Lithium Response for Acute Mania in Adolescents with Bipolar Disorder</td>
</tr>
<tr>
<td>2013</td>
<td>Tamara L. Vanderwal, MD</td>
<td>Linda Mayes, MD, &amp; Francisco X. Castellanos, MD</td>
<td>Yale University School of Medicine Child Study Center</td>
<td>Intrinsic Connectivity Networks in Young Children</td>
</tr>
<tr>
<td>2011</td>
<td>Ryan Herringa, MD, PhD</td>
<td>Ned H. Kalin, MD, &amp; Marilyn J. Essex, PhD</td>
<td>University of Wisconsin</td>
<td>Neural Substrates of Post-Traumatic Stress Disorder (PTSD) in Youth</td>
</tr>
<tr>
<td>2011</td>
<td>Ellen Hoffman, MD</td>
<td>Matthew W. State, MD, PhD, &amp; Antonio J. Giraldez, PhD</td>
<td>Yale University School of Medicine Child Study Center</td>
<td>Functional Analysis of the Autism Susceptibility Gene, Contactin Associated Protein-2 (CNTNAP@), in a Zebrafish Model System</td>
</tr>
<tr>
<td>2010</td>
<td>Michael Bloch, MD, MS</td>
<td>James Beckman, MD, &amp; Christopher Pittenger, MD</td>
<td>Yale University</td>
<td>Double-Blind, Placebo-Controlled Trial of N-acetylcysteine for Childhood Tourette Syndrome</td>
</tr>
<tr>
<td>2010</td>
<td>Craig Erickson, MD</td>
<td>Christopher McDougle, MD</td>
<td>Indiana University</td>
<td>Acamprosate in Youth with Autistic Disorder</td>
</tr>
<tr>
<td>2009</td>
<td>Evelyn Stewart, MD</td>
<td>David Pauls, PhD, &amp; Jordan Smoller, MD, MSc</td>
<td>Harvard University</td>
<td>Translational Application of Genome-Wide Data for Obsessive-Compulsive Disorder Across Development</td>
</tr>
<tr>
<td>2009</td>
<td>Jeremy Veenstra-VanderWeele, MD</td>
<td>Randy Blakely, PhD</td>
<td>Vanderbilt University</td>
<td>Evaluating the SERT 56Ala Knock-In Mouse as a Model for Sensory Aversion in Autism</td>
</tr>
</tbody>
</table>
Dr. Heather Joseph, DO

Institution: University of Pittsburgh
Project Title: Early Signals of Inattention in Toddlers at Familial Risk for ADHD
Project Mentor: Brooke Molina, PhD

Dr. Joseph is currently Assistant Professor of Psychiatry and Pediatrics at the University of Pittsburgh.

Impact of Junior Investigator Award

Through this award, Dr. Joseph was able to:
- Establish a research lab examining early signals of risk for developing ADHD
- Collect preliminary data for a NIMH K23 Mentored Career Development Award

Dr. Joseph’s Honors and Awards

2021:
- Brain Behavior Research Foundation NARSAD Young Investigator Award
- Society of Biological Psychiatry, Chair’s Choice Award

Number of Recent Publications: 15

Dr. Joseph’s Grant Support

2022-2023:
- Pittsburgh Foundation Award Department of Psychiatry’s Rising Star Award
- Brain Behavior Foundation NARSAD Young Investigator Award

2021-2023:
- Pittsburgh Foundation Award Department of Psychiatry’s First Star Award
- NIMH K23 Grant

2020-2021:
- The Children’s Hospital of Pittsburgh Foundation Award
Natalie Ramos, MD, MPH

Institution: University of California, Los Angeles
Project Title: Resiliency Education for LGBT Adolescents with Depression and Parent/Caregiver Psychoeducation Group Proposal
Project Mentor: Jeanne Miranda, PhD

Dr. Ramos is currently Assistant Clinical Professor at University of California, Los Angeles David Geffen School of Medicine, Department of Psychiatry & Biobehavioral Sciences.

Impact of Junior Investigator Award

Through this award, Dr. Ramos was able to:
- Develop a novel group intervention for LGBTQ youth with depression
- Kick-start development of additional CBT-based interventions for LGBTQ youth and their families
- Gain knowledge and experience to apply for K award

Dr. Ramos’ Honors and Awards

2021:
American Academy of Child and Adolescent Psychiatry and National Institute on Drug Abuse (NIDA) Physician Scientist Program in Substance Use (K12DA000357)

2019-present:
American Academy of Child and Adolescent Psychiatry Sexual Orientation & Gender Identity Issues Committee Co-Chair

2021:
Los Angeles' Top Doctors

Dr. Ramos’ Grant Support

2021-present:
American Academy of Child and Adolescent Psychiatry and National Institute on Drug Abuse (NIDA) Physician Scientist Program in Substance Use (K12DA000357)

Number of Recent Publications: 11
Dr. Ernest Pedapati, MD, MS

**Institution:** University of Cincinnati

**Project Title:** Eye Tracking as a Predictor of Methylphenidate Response in Autism with Comorbid Attention Deficit Hyperactivity Disorder

**Project Mentor:** Donald Gilbert, MD, MS

Dr. Pedapati is currently Assistant Professor of Psychiatry-Clinical Affiliated in the Department of Psychiatry and Behavioral Neuroscience at the University of Cincinnati and Assistant Professor of Pediatrics at Cincinnati Children’s Hospital Medical Center.

**Impact of Junior Investigator Award**

*Through this award, Dr. Pedapati was able to:*
- Obtain critical seed funding for an ambitious research project and develop a mentorship team.
- Set up the infrastructure of a lab and learn how to execute a combination clinical drug trial and neurophysiological study.
- Reach an excellent position to apply for and obtain a K23 early in his career.

**Dr. Pedapati’s Honors and Awards**

**2019-Present:**
Cincinnati Children’s Center for Clinical & Translational Science & Training Pilot Translational Research Award

**2019-present:**
FRAXA Research Foundation Fellowship Award

**2018:**
Resident Psychotherapy Supervisor of the Year Award

**2017:**
Developmental and Behavioral Pediatrics, Champion Award

**2014-present:**
National Institutes of Health Loan Repayment Program

**Dr. Pedapati’s Grant Support**

**2019-present:**
Co-Principal Investigator on FMR1 Gene Therapy for Fragile X Syndrome, funded by the Center for Genetics Accelerator Project

**2017-2022:**
Principal Investigator on Anomalous Sensorimotor Physiology in Fragile X Syndrome (K23), funded by the NIMH for $185,088/year

**2016-present:**
Mechanisms and Brain Circuits Underlying Fragile X Syndrome. (Fragile X U54 Center Grant), funded by NIMH

**Number of Recent Publications:** 28
Luis Patino Duran, MD

Institution: University of Cincinnati
Project Title: Genetic Markers of Lithium Response for Acute Mania in Adolescents with Bipolar Disorder
Project Mentor: Melissa DelBello, MD, MS

Dr. Duran is currently Assistant Professor in the Department of Psychiatry and Behavioral Neuroscience at the University of Cincinnati College of Medicine.

Impact of Junior Investigator Award
Through this award, Dr. Duran was able to:
- Immerse himself in clinical research
- Gain theoretical knowledge and empirical expertise of research
- Obtain important preliminary data on the genetic predictors of clinical response with lithium bipolar disorder in adolescents

Dr. Duran’s Future Plans
Use his preliminary data to apply for K99/RO1 funding from the National Institutes of Health, an essential next step for his career development as an independent investigator

Roger Jou, MD, MPH, PhD

Institution: Yale University
Project Title: Neural Disconnectivity in Autism: Distinguishing Fact from Artifact in Diffusion Imaging
Project Mentor: James Duncan, PhD

Dr. Jou is currently Instructor of Clinical Child Psychiatry in the Yale Child Study Center and specializes in autism spectrum disorders across the lifespan. His work includes a combination of clinical care, community partnerships, and research of clinical trials and neuroimaging.

Impact of Junior Investigator Award
Through this award, Dr. Jou was able to:
- Continue research training as a junior faculty member at Yale University, developing additional expertise in neuroimaging while expanding the scope of current work for greater community impact

Dr. Jou’s Future Plans
Develop balanced, integrated, and sustainable network for promoting community and wellness for individuals with autism across the lifespan
Tamara Vanderwal, MD

**Institution:** Yale University School of Medicine Child Study Center  
**Project Title:** Intrinsic Connectivity Networks in Young Children  
**Mentors:** Linda Mayes, MD, and Francisco X., Castellanos, MD

Dr. Vanderwal is currently an Assistant Professor within the Department of Psychiatry at BC Children’s Hospital Research Institute in the University of British Columbia.

**Impact of Junior Investigator Award**

*Through this award, Dr. Vanderwal was able to:*
- Conduct that crucial first study using naturalistic stimuli (ie. movies) as an acquisition state to study functional connectivity
- Use the data collected during the award period for multiple publications and grant applications

**Dr. Vanderwal’s Honors and Awards**

**2018-2021:**  
BC Children’s Hospital Research Institute Investigator Establishment Award

**2012-2015:**  
Yale Psychiatry Research Scholars Program

**2012-2013:**  
APA/Lilly Psychiatric Research Fellowship

**2009-2015:**  
Lecturer of first year Yale medical students on A Voxel-Based View of Child Development

**2009:**  
Resident Teaching Award, Department of Psychiatry, Yale School of Medicine

**Dr. Vanderwal's Grant Support**

**2019:**  
Brain, Behavior and Development Catalyst Grant

**2012-2015:**  
*Developmental Trajectories of Intrinsic Functional Connectivity Networks,* funded by the Allison Family Foundation for $863,499

**2012-2013:**  
Cross-Modal Sensory Processing in Infants, funded by the American Psychoanalytic Association for $16,000

**2012-2013:**  
Brain Mapping of Critical Developmental Periods funded by the American Psychiatric Association/Lilly Psychiatric Research Fellowship for $45,000

**Number of Recent Publications:** 14
Institution: University of Wisconsin School of Medicine and Public Health

Center Project Title: Neural Substrates of Post-Traumatic Stress Disorder (PTSD) in Youth

Mentors: Ned H. Kalin, MD, and Marilyn J. Essex, PhD

Dr. Herringa is currently the University of Wisconsin Health Professor in Child and Adolescent Psychiatry and Director of the Division of Child and Adolescent Psychiatry at the UW School of Medicine and Public Health.

Dr. Herringa's Honors and Awards

2021: Associate member, ACNP
2018: Distinguished Fellow, AACAP
2015: Invited Speaker, Fourth Annual Conference on Child Protection and Well-Being
2014: Career Development Travel Award, Anxiety and Depression Association of America
2013: Domestic Travel Fellowship Award, Society of Biological Psychiatry

Dr. Herringa's Grant Support

2019-2024: Principal Investigator (PI) on Neurobehavioral Mechanisms of Parent-Child Extinction Learning in Adolescent PTSD (R01), funded by the NIMH for $650,000/year
2018-2023: PI on Normative and Atypical Trajectories of Cognitive-Emotional Development in Adolescence (R01), funded by the NIMH for $650,000/year
2020-2025: Co-Investigator (Co-I) on Acute predictors of long-term post-trauma outcomes in youth victims of violence (R01), funded by the NIMH
2019-2024: Co-I on Computational Biases of Learning and Decision-Making in PTSD (R01), funded by the NIMH
2020-2022: Co-I on Dopamine Enhancement of Fear Extinction Learning in PTSD (R33), funded by the NIMH

Number of Recent Publications: 32
**Ellen Hoffman, MD, PhD**

**Institution:** Yale University School of Medicine Child Study Center

**Center Project Title:** Functional Analysis of the Autism Susceptibility Gene, Contactin Associated Protein-2 (CNTNAP2), in a Zebrafish Model System

**Mentors:** Matthew W. State, MD, PhD, and Antonio J. Giraldez, PhD

Dr. Hoffman is currently an Assistant Professor in the Yale Child Study Center.

**Impact of Junior Investigator Award**

"The Junior Investigator Award...

- Helped support my career development as a child psychiatrist and basic science researcher, as a first step towards becoming an independent investigator; instrumental at the early stage of my career.
- Helped set the groundwork for my future research aimed at understanding basic biological mechanisms underlying ASD.
- Helped me to develop a novel model system using zebrafish to investigate the function of autism risk genes, such as CNTNAP2, in the developing vertebrate brain."

**Dr. Hoffman’s Honors and Awards**

**2020:** Associate Member, American College of Neuropsychopharmacology  
**2020:** Swebilius Foundation Grant Award  
**2018:** Zebrafish Disease Models Society Conference Award  
**2017:** Spector Fund Award, Yale Department of Neuroscience  
**2016:** Ruth York, Myron Drazen, and Frederick Frank Award, National Genetics Foundation  
**2016:** Kavli Foundation Pilot Research Award  
**2016, 2018:** Yale Child Study Center Junior Faculty Development Fund Award  
**2013:** American College of Neuropsychopharmacology (ACNP) Travel Award

**Number of Recent Publications:** 20

*Note: Dr. Hoffman was funded solely in the second year of the Junior Investigator Award by the K08 Mentored Clinical Scientist Research Award.*

**Dr. Hoffman’s Grant Support**

**2018-2022:** Principal Investigator (PI) on High-throughput functional analysis of autism risk genes (R01), funded by the NIMH  
**2018-2022:** PI on Modeling Autism Risk Genes in Zebrafish, funded by the Bial Science Foundation  
**2018-2021:** PI on Translating Drug Discovery in Zebrafish and Mouse Models of ASD Risk Genes, funded by the Simons Foundation  
**2017-2019:** PI on Identifying Neural Circuit Mechanisms in Autism Spectrum Disorders, funded by The Kavli Foundation  
**2017-2018:** PI on Discovering Neural Mechanisms of Sodium Channel Gene Mutations in a Zebrafish Model, funded by the Swebilius Foundation  
**2015-2017:** PI on High-throughput drug discovery in zebrafish models of ASD risk genes, funded by SFARI  
**2012-2016:** PI on Functional Analysis of Autism Risk Genes(K08), funded by the NIMH for $750,000
Dr. Bloch’s Honors and Awards

**2015-present**: Research Review Editor, *Journal of Child Psychology and Psychiatry*

**2015**: Samuel Ritvo Teaching Award for outstanding teaching from the Child Psychiatry Fellows at the Yale Child Study Center

**2013**: AACAP Norbert and Charlotte Rieger Award for Scientific Achievement

**2009**: Seymour L. Lustig Award for Psychiatry Research in Residency

**2007**: ACNP Young Investigator Travel Award

Dr. Bloch served as a mentor to Jadon Webb, MD, PhD, for his 2013 AACAP Pilot Research Award for Attention Disorders and/or Learning Disabilities, supported by the Elaine Schlosser Lewis Fund, and to Jennifer Dwyer, MD, PhD, for her 2015 AACAP Pilot Research Award for General Psychiatry Residents.

Dr. Bloch’s Grant Support

**2017-2018**: Double-Blind, Placebo-Controlled, Single-Dose Crossover Challenge Study Examining the Effects of Sublingual Riluzole (BHV-0223) on Public Speaking in Social Anxiety, funded by Biohaven Pharmaceuticals for $220,000

**2017-2018**: Examining the Efficacy of a Therapeutic Combination of 9-tetrahydracannabinol and Palmitoylethanolamide for Adults with Tourette Syndrome, funded by Therapix Biosciences for $193,000

**2010-2015**: Longitudinal Structural MRI Study of Adulthood Outcome in Tourette Syndrome, funded by the NIMH for $850,000

**Number of Recent Publications**: 130
Dr. Erickson's Honors and Awards

2011 Resident's Award for Teaching Excellence, Department of Psychiatry, Indiana University School of Medicine

Dr. Erickson's Intellectual Property


Number of Recent Publications: 85

Dr. Erickson's Grant Support

2016-2020: National Center on Birth Defects and Developmental Disabilities Grant

2015-2018: Autism Inpatient Collection Grant, Simons Foundation and Nancy Lurie Marks Foundation


2013-2016: Autism Speaks Treatment Grant

2013-2016: John Merck Fund Translational Research Program Award

2013-2014: Angelman Syndrome Foundation Research Grant

2012-2014: Simons Research Foundation SFARI Pilot Award

2012: Indiana University Funding Opportunities for Research Commercialization and Economic Success (FORCES) Grant

Impact of Junior Investigator Award

Through this award, Dr. Erickson was able to:

- Find that acamprosate use was associated with significant reduction in amyloid precursor protein levels in youth with autism spectrum disorders
JUNIOR INVESTIGATOR AWARD
RECIPIENTS: WHERE ARE THEY NOW

Dr. S. Evelyn Stewart, MD

Institution: Harvard University
Project Title: Translational Application of Genome-Wide Data for Obsessive-Compulsive Disorder Across Development
Mentors: David Pauls, PhD, and Jordan Smoller, MD, MSc

Dr. Stewart is currently a Professor of Psychiatry at the University of British Columbia and is the founding director of the Pediatric OCD Clinic and Research Program at BC Children and Women's Health Centre. She is also the Director of Research for Child and Adolescent Psychiatry at BC Children’s Hospital (BCCH) and Medical Director of the BCCH Provincial OCD Program.

Impact of Junior Investigator Award

Through this award, Dr. Stewart was able to:
- Observe other clinical research labs through mentorship
- Learn genomic analysis techniques
- Establish a foundation of skills that enabled stepping into her current leadership roles

Dr. Stewart's Honors and Awards

2021: Awarded BC Children's Hospital Research Institute Geoffrey L. Hammond Lectureship

2020: Awarded Leading Practice status in the recent review of Child & Adolescent Psychiatry Training Program by the Royal College of Physicians and Surgeons of Canada (for research symposium for trainees)

2020: Outstanding Academic Performance (OAP) status awarded by the Department Head of Psychiatry at the University of British Columbia for the period of January 2019- December 2019

2020: Nominated by Dr. Jehannine Austin to speak at the Canadian Parliamentary Health Research Caucus

2020: Listed in Marquis “Who’s Who in the World”

2019: Top Reviewer for outstanding service as a Journal of Child Psychology and Psychiatry reviewer (awarded in 2020)

2019: First female child and adolescent psychiatrist to reach the rank of full professor at UBC

Dr. Stewart's Grant Support

Dr. Stewart was the Principal Investigator on the following grants:

2021-present: BC Centre for Disease Control funding for $7,500

2020-present: BC Ministry of Health COVID-19 Research Priorities Grant for $10,000

2016-2021: Catalyst & Seed Grants totaling $130,000

2014-2019: CIHR Operating Grant, funded by the Canadian Institutes of Health Research for $526,454

2012-2021: Private Donor funding totaling $460,000

2012-2013: PHSA Funded Grants totaling $100,000

Number of Recent Publications: 116
Dr. Veenstra-VanderWeele's Honors and Awards

2017: American Psychiatric Association Blanche F. Ittleson Award for Research in Child and Adolescent Psychiatry

2014: University of Chicago Irving B. Harris Memorial Lecture in Child and Adolescent Psychiatry

2013: Vanderbilt Chancellor’s Award for Research

2011-2016: NIMH Biobehavioral Research Award for Innovative New Scientists

Dr. Veenstra-VanderWeele's Grant Support

2019-2021: Impact of the Maternal Serotonin System on Neurodevelopment, funded by the Simon's Foundation for $200,000

2017-2022: Investigation of EAAT3 in OCD Pathophysiology, funded by the NIH for $1,853,425

2017-2020: Effects of AFQ056 on Language Learning in Young Children with Fragile X Syndrome (FXS), funded by the NIH for $187,928

2017-2020: Translational Research Training in Child Psychiatry, $1,210,500

2016-2018: Autophagy Pathway as a Novel Therapeutic Target in Autism, $299,998

Number of Recent Publications: 126

Impact of Junior Investigator Award

Through this award, Dr. Veenstra-VanderWeele was able to:

- Develop a line of research that has yielded manuscripts in PNAS,
  Neuropsychopharmacology, Autism Research, and the Journal of the American Academy of
  Child and Adolescent Psychiatry
- Fund his first R01 in 2011 and a subsequent Simons Foundation Award in 2019

Dr. Veenstra-VanderWeele's Grant Support

2019-2021: Impact of the Maternal Serotonin System on Neurodevelopment, funded by the Simon's Foundation for $200,000

2017-2022: Investigation of EAAT3 in OCD Pathophysiology, funded by the NIH for $1,853,425

2017-2020: Effects of AFQ056 on Language Learning in Young Children with Fragile X Syndrome (FXS), funded by the NIH for $187,928

2017-2020: Translational Research Training in Child Psychiatry, $1,210,500

2016-2018: Autophagy Pathway as a Novel Therapeutic Target in Autism, $299,998

Number of Recent Publications: 126
AACAP PILOT RESEARCH AWARD: HOW IT WORKS

Award Goal: To help early investigators launch successful careers in pediatric mental health research.

History:
- The first Pilot Award was awarded in 1993.
- Since 1993, AACAP has awarded 228 Pilot Awards.

AACAP Pilot Research Awards for Attention Disorders and Learning Disabilities Supported by: AACAP's Elaine Schlosser Lewis Fund
- Encourages a future career in child and adolescent psychiatry research
- Provides up to $15,000 of funding for child and adolescent psychiatry fellows and junior faculty who have an interest in beginning a career in child and adolescent mental health research, with topics related to attention disorders and/or learning disabilities
- Supports young investigators at a critical stage in their careers

AACAP Pilot Research Awards for Early Career Faculty and Child and Adolescent Psychiatry Fellows, Supported by: AACAP’s General Operating Funds
- Encourages a future career in child and adolescent psychiatry research
- Provides up to $15,000 of funding for child and adolescent psychiatry fellows and junior faculty who have an interest in beginning a career in child and adolescent mental health research
- Supports young investigators at a critical stage in their careers

AACAP Pilot Research Awards for General Psychiatry Residents Supported by: Industry Supporters
- Reduces the shortage in clinical researchers by supporting young investigators engaging in mental health research programs
- Provides up to $15,000 of funding for pilot research
- Supports young investigators at a critical stage in their careers
NIH-FUNDED GRANTS

- In July 2022, data was retrieved from the NIH Research Portfolio Online Reporting Tools Expenditure and Results (RePORTER) module to identify NIH-funded K, T, and R grants obtained by the past Pilot Research awardees.

- Of the past recipients, 30% had secured NIH-funded K, T, or R grants, for a total of 167 federal grants. Of those who had obtained funding, 48% had secured multiple NIH-funded K, T, or R grants.

2022 Survey Results

- In April 2022, 213 AACAP Pilot Award recipients were solicited by email to participate in a brief survey to gain better insight of their career direction since receiving the award. A robust response rate was received. Forty-three percent (91) of the total number of past Pilot Award recipients participated in the survey.

- Recipients had been engaged in a broad spectrum of research. The most common area of research was ADHD.

91% believe the Pilot Research Award was at least Highly Valuable or Valuable in establishing their research career.
<table>
<thead>
<tr>
<th>Year</th>
<th>Award Recipient</th>
<th>Mentor(s)</th>
<th>Institution</th>
<th>Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>2022</td>
<td>Tashalee R. Brown, MD, PhD</td>
<td>John N. Constantino, MD</td>
<td>Washington University School of Medicine</td>
<td>Racial/Ethnic Disparities in Genetic Testing of Psychiatric Patients with Intellectual Disability and Severe Mental Illness</td>
</tr>
<tr>
<td>2022</td>
<td>Gabrielle E. Hodgins, MD</td>
<td>Bradley N. Gaynes, MD, MPH, &amp; Larry J. Barnhill, MD</td>
<td>University of North Carolina at Chapel Hill</td>
<td>The Effects of Guanfacine on Quality of Life and Parental Stress in Children with Intellectual Disabilities: A Prospective Pilot Study</td>
</tr>
<tr>
<td>2021</td>
<td>Ritvij M. Satodiya, MD</td>
<td>Akhgar Ghassabian, MD, PhD &amp; Francisco X. Castellanos, MD</td>
<td>New York University</td>
<td>Exposure to Exogenous Cannabinoids in Prenatal Periods and Early Childhood: Importance of Identifying Critical Windows for Brain Influences</td>
</tr>
<tr>
<td>2021</td>
<td>Robyn P. Thom, MD</td>
<td>Christopher J. McDougle, MD</td>
<td>Massachusetts General Hospital</td>
<td>Effect of Childhood Attention-Deficit/Hyperactivity Disorder on Substance Use Disorder Risk in Adolescents with Autism Spectrum Disorder</td>
</tr>
<tr>
<td>2020</td>
<td>Alison M. Duncan, MD</td>
<td>Andrea Spencer, MD</td>
<td>Boston University School of Medicine, Boston Medical Center</td>
<td>Needs Assessment and Intervention: Communication Challenges for Parents of Adolescents with ADHD</td>
</tr>
<tr>
<td>2020</td>
<td>Rana Elmaghraby, MD</td>
<td>William V. Bobo, MD, MPH, &amp; Matej Markota, MD</td>
<td>Mayo Clinic</td>
<td>Psychostimulants and the Risk of New-Onset Psychosis in a Geographically-Defined Cohort of Youth with ADHD</td>
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<tr>
<td>2019</td>
<td>Anjali Varigonda, MD</td>
<td>Mary O'Connor, PhD, ABPP &amp; Jennifer Levitt, MD</td>
<td>University of California, Los Angeles</td>
<td>Impact of an Aerobic Exercise Intervention in Improving Executive Function in Children with Fetal Alcohol Spectrum Disorder</td>
</tr>
<tr>
<td>2019</td>
<td>Alecia Vogel-Hammen, MD, PhD</td>
<td>Joan Luby, MD</td>
<td>Washington University</td>
<td>Behavioral Observations of Dysregulation in Positive and Negative Affect in ADHD</td>
</tr>
<tr>
<td>2018</td>
<td>Joel Bernanke, MD, MSc</td>
<td>Jonathan Posner, MD</td>
<td>Research Foundation for Mental Hygiene, Inc</td>
<td>Impulsivity and Prediction Error Circuits in Children with Attention Deficit Hyperactivity Disorder</td>
</tr>
<tr>
<td>2018</td>
<td>Andrea Diaz-Stransky, MD</td>
<td>Denis Sukhodolsky, PhD</td>
<td>Yale University</td>
<td>Digital Delivery of Parent Training for Disruptive Behaviors: Increasing Access to Care</td>
</tr>
<tr>
<td>2017</td>
<td>Erica Greenberg, MD</td>
<td>Sabine Wilhelm, PhD</td>
<td>Massachusetts General Hospital</td>
<td>Modified Comprehensive Behavioral Intervention for Tics: Treating Children with Tic Disorders, Co-occurring ADHD and Psychosocial Impairment</td>
</tr>
<tr>
<td>2017</td>
<td>Erik Paschall, MD, MPH</td>
<td>Bonnie Zima, MD, MPH</td>
<td>UCLA Semel Institute for Neuroscience and Human Behavior</td>
<td>Adapting a Mobile Health Application Optimizing ADHD Treatment to the Pediatric Setting</td>
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<td>2016</td>
<td>Naser Ahmadi, MD, PhD</td>
<td>Robert Pynoos, MD</td>
<td>University of California, Los Angeles</td>
<td>Trial of Positive Psychiatry in Comorbid Attention Deficit Hyperactive Disorder with Posttraumatic Stress Disorder</td>
</tr>
<tr>
<td>2016</td>
<td>Ryan Sultan, MD</td>
<td>Mark Olfson, MD, MPH</td>
<td>Columbia University</td>
<td>Analysis of Clinical and Demographic Characteristics of ADHD Youth Prescribed Antipsychotics</td>
</tr>
<tr>
<td>2015</td>
<td>Ismail Badran, MD</td>
<td>Craig Erickson, MD</td>
<td>Cincinnati Children's Hospital Medical Center</td>
<td>TDCS Enhancement of Executive Function in Children with Down Syndrome Open-Label Trial of Transcranial Direct Current Stimulation Enhancement of Executive Function in Children with Down Syndrome</td>
</tr>
<tr>
<td>2015</td>
<td>Heather Joseph, DO</td>
<td>Brooke Molina, PhD</td>
<td>University of Pittsburgh Medical Center/Western Psychiatric Institute and Clinic</td>
<td>Understanding the transmission of ADHD: A Laboratory Examination of Fathers with a History of ADHD and their Children</td>
</tr>
<tr>
<td>2015</td>
<td>Chuanzhong Ye, MD, PhD</td>
<td>Donald J. Newport, MD, MS, MDiv</td>
<td>University of Miami Miller School of Medicine/Jackson Health System</td>
<td>Gut Microbial Community Structure and ADHD: A Pilot Case Control Study</td>
</tr>
<tr>
<td>2014</td>
<td>Argelinda Baroni, MD</td>
<td>F. Xavier Castellano, MD</td>
<td>New York University</td>
<td>Arousal and Cognitive Variability in ADHD: A Pilot Pupillometry Study</td>
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<tr>
<td>2014</td>
<td>Venkat Bhat, MD</td>
<td>Sarojini Sengupta, PhD</td>
<td>McGill University</td>
<td>Epigenetic Modifications Induced By Maternal Smoking During Pregnancy In Children With ADHD</td>
</tr>
<tr>
<td>2013</td>
<td>Mai Uchida, MD</td>
<td>Joseph Biederman, MD</td>
<td>Massachusetts General Hospital</td>
<td>Using Health IT to Improve Medication Adherence in Children with ADHD</td>
</tr>
<tr>
<td>2013</td>
<td>Jadon Webb, MD, PhD</td>
<td>Michael Bloch, MD, MS</td>
<td>Yale University Child Study Center</td>
<td>Meta-Analysis: Do Stimulants Work as &quot;Smart Pills?&quot; The Cognitive Effects of Stimulants in Healthy Subjects Without ADHD</td>
</tr>
<tr>
<td>2012</td>
<td>Jeffrey Strawn, MD</td>
<td>Melissa DelBello, MD, MS</td>
<td>University of Cincinnati</td>
<td>The Neurophysiologic Impact of Anxiety on Attentional Processing in Adolescents with ADHD</td>
</tr>
<tr>
<td>2012</td>
<td>Chad Sylvester, MD, PhD</td>
<td>Joan L. Luby, MD</td>
<td>Washington University</td>
<td>Stimulus-Driven Orienting and the Ventral Attention Network in Children with Anxiety Disorders Versus ADHD</td>
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</table>
The AACAP Pilot Research Awards for Junior Faculty and Child and Adolescent Psychiatry Fellows, supported by AACAP, offer up to $15,000 in research funding support to child and adolescent psychiatry residents and junior faculty who have an interest in starting a research career.

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<tr>
<td>2022</td>
<td>Amanda Downey, MD</td>
<td>Erin C. Accurso, PhD</td>
<td>University of California San Francisco</td>
<td>Medicaid-Insured Youth With Eating Disorders: Health Disparities And Service Utilization</td>
</tr>
<tr>
<td>2022</td>
<td>Stefanie Gillson, MD</td>
<td>Melissa Walls, PhD</td>
<td>Yale University</td>
<td>Cultural Connectedness and Mental Health Trajectories in Indigenous Youth Displaced from Home</td>
</tr>
<tr>
<td>2022</td>
<td>Madeline Jansen, MD, MPH</td>
<td>Sheryl Kataoka, MD, MSHS, &amp; Helena Hansen, MD, PhD</td>
<td>Washington University in St. Louis</td>
<td>An Investigation of Multiracial Identity Development and Mental Health</td>
</tr>
<tr>
<td>2022</td>
<td>Justin B. Steinfeld, MD, PhD</td>
<td>Jonathan A. Javitch, MD, PhD</td>
<td>NewYork-Presbyterian/ Columbia &amp; Cornell University</td>
<td>New Potential Pharmacological Targets for Childhood Psychiatric Disorders Through Differential Modulation of Glutamate Receptors</td>
</tr>
<tr>
<td>2022</td>
<td>Halide B. Turkozer, MD</td>
<td>Ongur Dost, MD, PhD</td>
<td>Massachusetts General Hospital</td>
<td>Structure of Visual Cortex Subregions in Youth at Clinical High Risk for Psychosis</td>
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<td>2021</td>
<td>Ankit Chalia, MD</td>
<td>Christopher Hammond, MD, PhD, &amp; Cynthia Fontanella, PhD</td>
<td>Children’s National Hospital</td>
<td>Examine The Impact Of Cannabis Use Disorders On Risk Of Inpatient Psychiatric Hospitalization And 90-day Rehospitalization Related To Suicidal Thoughts And Behaviors Among U.S. Adolescent And Young Adults With Mood Disorders</td>
</tr>
<tr>
<td>2021</td>
<td>Alissa D. Hemke, MD</td>
<td>Brent R. Collett, PhD, &amp; Cindy Ola, PhD</td>
<td>University of Washington</td>
<td>Extending Evidence-Based Treatments in Rural Communities</td>
</tr>
<tr>
<td>2021</td>
<td>Amandeep Jutla, MD</td>
<td>Jeremy Veenstra-VanderWeele, MD, &amp; Wendy K. Chung, MD, PhD</td>
<td>Columbia University</td>
<td>Harnessing Insights From a Rare Genetic Variant to Understand Psychosis in Autism</td>
</tr>
<tr>
<td>2021</td>
<td>Jelena G. MacLeod, MD, MHS</td>
<td>Andrea G. Asnes, MD, MSW, &amp; Pamela E. Hoffman, MD</td>
<td>Yale School of Medicine</td>
<td>Harnessing Electronic Medical Record Data to Examine the Association Between Adverse Childhood Experiences, Medical Morbidity, and Healthcare Utilization</td>
</tr>
<tr>
<td>2021</td>
<td>Sara VanBronkhorst, MD, MPH</td>
<td>Cristiane Duarte, PhD, MPH</td>
<td>Research Foundation for Mental Hygiene</td>
<td>Mother-Child Interactions and Oxytocin: A Pilot Study of Mothers, their Toddlers and Intergenerational Transmission of Childhood Adversities</td>
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<tr>
<td>2020</td>
<td>Shinn-yi Chou, MD</td>
<td>Robert Sweet, MD</td>
<td>University of Pittsburgh Medical Center</td>
<td>Cell-type Specific Alterations in Type 1 Cannabinoid Receptors in Patients With Schizophrenia</td>
</tr>
<tr>
<td>2020</td>
<td>Jacqueline Clauss, MD, PhD</td>
<td>Daphne Holt, MD, PhD</td>
<td>Massachusetts General Hospital</td>
<td>A Randomized Controlled Trial of a Community-Based Adolescent Resilience Training Program</td>
</tr>
<tr>
<td>2020</td>
<td>Gaby J. Ritfeld, MD, PhD</td>
<td>Claire D. Coles, PhD, &amp; Julie A. Kable, PhD</td>
<td>Emory University School of Medicine</td>
<td>Neurobehavioral and Physical Health Outcomes in Offspring of Individuals with Fetal Alcohol Spectrum Disorders</td>
</tr>
<tr>
<td>2020</td>
<td>Kunmi Sobowale, MD</td>
<td>Nelson Freimer, MD</td>
<td>University of California Los Angeles Semel Institute</td>
<td>Examining Effects of Perinatal Depressive Symptoms on Maternal-child Interaction Using Audio Recording</td>
</tr>
<tr>
<td>2020</td>
<td>Emily A. Troyer, M.D</td>
<td>Suzi Hong, PhD, &amp; David R. Rosenberg, MD</td>
<td>University of California, San Diego</td>
<td>Immunoglobulin Profiles in Pediatric Obsessive Compulsive Disorder</td>
</tr>
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<td>Year</td>
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<tr>
<td>2019</td>
<td>Chuan Mei Lee, MD, MA</td>
<td>Christina Mangurian, MD, MAS, &amp; Petra Steinbuchel, MD</td>
<td>University of California, San Francisco</td>
<td>Implementation of a Technology-Assisted Child and Adolescent Mental Health Remote Consultation Model for Pediatric Primary Care in Safety Net Settings</td>
</tr>
<tr>
<td>2019</td>
<td>Aneta Krakowski, MSc, MD</td>
<td>Peter Szatmari, MD</td>
<td>University of Toronto</td>
<td>Neurodevelopmental Domains as Predictors of Functional Neuroimaging Measures in ASD and ADHD</td>
</tr>
<tr>
<td>2019</td>
<td>Petya Radoeva, MD</td>
<td>Daniel Dickstein, MD</td>
<td>Bradley Hospital</td>
<td>Neural Correlates of Depressive Symptoms in Adolescents with Autism Spectrum Disorder (ASD)</td>
</tr>
<tr>
<td>2019</td>
<td>Emily Wood, MD</td>
<td>Mirella Dapretto, PhD, &amp; Shulamite Green, PhD</td>
<td>University of California, Los Angeles</td>
<td>Trauma &amp; Early Life Adversity in ASD youth: Sensory Over-Responsivity and fMRI Markers of Behavioral Regulation</td>
</tr>
<tr>
<td>2019</td>
<td>Eunice Yuen, MD, PhD</td>
<td>Flora M. Vaccarino, MD</td>
<td>Yale University</td>
<td>Biological Action of Ketamine in Developing Neurons: Hope in Treating Maternal Depression to Reduce Children Mood Disorders</td>
</tr>
<tr>
<td>Year</td>
<td>Award Recipient</td>
<td>Mentor(s)</td>
<td>Institution</td>
<td>Project Title</td>
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<tr>
<td>2018</td>
<td>Obianuju Obi Berry, MD, MPH</td>
<td>Catherine Monk, PhD</td>
<td>Columbia University</td>
<td>Treatment of Parents of Intimate Partner Violence and Impact on Child Psychopathology</td>
</tr>
<tr>
<td>2018</td>
<td>Isha Jalnapurkar, MD</td>
<td>Jean Frazier, MD</td>
<td>University of Massachusetts</td>
<td>Psychosocial and Biological Correlates of Social Communication Deficits in Autism Spectrum Disorder</td>
</tr>
<tr>
<td>2018</td>
<td>Samantha F. Kennedy, DO</td>
<td>Alyse F. Ley, DO</td>
<td>Michigan State University</td>
<td>Evaluation of the Disorder Screen for Athletes (DES-6) in Adolescent Athletes</td>
</tr>
<tr>
<td>2018</td>
<td>Aviva K. Olsavsky, MD</td>
<td>Pilyoung Kim, PhD</td>
<td>University of Colorado Denver/Children’s Hospital Colorado</td>
<td>Project SIMBA: Stress in Moms and Babies</td>
</tr>
<tr>
<td>2018</td>
<td>Geetanjali Sahu, MD</td>
<td>Cristian P. Zeni, MD, PhD</td>
<td>University of Texas</td>
<td>The Role of Trauma and Bdnf in the Dimensional Evaluation of Psychosis in Children and Adolescents</td>
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<tr>
<td>Year</td>
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<tr>
<td>2017</td>
<td>Aaron D. Besterman, MD</td>
<td>James McCracken, MD</td>
<td>UCLA Semel Institute of Neuroscience and Human Behavior</td>
<td>Deep Behavioral Phenotyping of Children with Non-PTEN, Non-TSC Somatic Overgrowth Disorders</td>
</tr>
<tr>
<td>2017</td>
<td>Christina Cruz, MD, EdM</td>
<td>Bradley, N. Gaynes, MD, MPH</td>
<td>University of North Carolina</td>
<td>Task-Shifting Children’s Mental Health Treatment to Classroom Teachers</td>
</tr>
<tr>
<td>2017</td>
<td>Manivel Rengasamy, MD</td>
<td>Lisa Pan, MD</td>
<td>Western Psychiatric Institute and Clinic</td>
<td>The Interaction of Psychotherapy and Inflammatory Plasma Cytokines in Depressed Adolescents</td>
</tr>
<tr>
<td>2017</td>
<td>Pravesh Sharma, MD</td>
<td>Michelle Horner, DO</td>
<td>Johns Hopkins Bloomberg Children’s Center</td>
<td>The Influence of Transmissible Risk on the Relationship Between Cannabis Use and Psychotic Symptoms</td>
</tr>
<tr>
<td>2017</td>
<td>Amalia Londono Tobon, MD</td>
<td>Linda Mayes, MD</td>
<td>Yale University</td>
<td>Lasting Effects of Minding the Baby® Home Visiting Program for Young Families</td>
</tr>
<tr>
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<tr>
<td>2016</td>
<td>Anthony Deo, MD, PhD</td>
<td>Ragy Grigis, MD, &amp; David Kimhy, PhD</td>
<td>Columbia University</td>
<td>BDNF and Cognition in Individuals at Clinical High-risk for Psychosis</td>
</tr>
<tr>
<td>2016</td>
<td>Kelli C. Dominick, MD, PhD</td>
<td>Craig Erickson, MD</td>
<td>Cincinnati Children's Hospital Medical Center</td>
<td>Functional connectivity in infants with Fragile X Syndrome and High Risk Infant Siblings of Individuals with Autism Spectrum Disorder</td>
</tr>
<tr>
<td>2016</td>
<td>Pilar Trelles, MD</td>
<td>Alexander Kolevzon, MD</td>
<td>Icahn School of Medicine at Mt. Sinai</td>
<td>The Impact of Attention Deficit on Clinical and Functional Outcomes in Autism Spectrum Disorder</td>
</tr>
<tr>
<td>2016</td>
<td>Danielle Baribeau, MD</td>
<td>Evdokia Anagnostou, MD</td>
<td>University of Toronto</td>
<td>Biological Correlates of Social Processing Across Childhood-onset Neurodevelopmental Disorders</td>
</tr>
<tr>
<td>2016</td>
<td>Jerome Taylor, MD</td>
<td>Michael H. Bloch, MD, MS</td>
<td>Yale Child Study Center</td>
<td>Identifying Children and Adolescents at Risk for Antipsychotic-Induced Weight Gain and Metabolic Dysfunction in the Treatment of Early Onset Schizophrenia Spectrum Disorders (TEOSS) Study</td>
</tr>
</tbody>
</table>
### AACAP Pilot Research Awards for Junior Faculty and Child and Adolescent Psychiatry Fellows

Supported by AACAP's Campaign for America's Kids, offered up to $15,000 in research funding support to child and adolescent psychiatry residents and junior faculty who have an interest in starting a research career.

<table>
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<tr>
<th>Year</th>
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</tr>
</thead>
<tbody>
<tr>
<td>2015</td>
<td>Mirjana Domakonda, MD</td>
<td>Rachel Marsh, PhD</td>
<td>NYP Hospital of Columbia and Cornell Universities</td>
<td>Attentional Bias to Food Cues and Frontostriatal Circuit Function in Adolescents with Bulimia Nervosa</td>
</tr>
<tr>
<td>2015</td>
<td>Rebecca Muhle, MD, PhD</td>
<td>Craig Erickson, MD</td>
<td>Yale University</td>
<td>Mapping the Cell-type Specific Regulatory Networks of the ASD Risk Gene KDM6B Molecular and Genetic Mechanisms in Autism: From Bench to Bedside</td>
</tr>
<tr>
<td>2015</td>
<td>Carrie Vaudreuil, MD</td>
<td>Dina Hirshfeld-Becker, PhD</td>
<td>Massachusetts General Hospital</td>
<td>RAGE-Control: Teaching Emotional Self-regulation Through Videogame Play</td>
</tr>
<tr>
<td>2014</td>
<td>Stephanie Ameis, MD, MSc</td>
<td>Peter Szatmari, MD, MSc</td>
<td>The Centre for Addiction and Mental Health, University of Toronto</td>
<td>rTMS for the Treatment of Executive Function Deficits in Autism Spectrum Disorder and Associations with Brain Structure: A Pilot Study</td>
</tr>
<tr>
<td>2014</td>
<td>Matthew Burkey, MD, MPH</td>
<td>Lawrence S. Wissow, MD, MPH</td>
<td>Johns Hopkins University</td>
<td>Developing an Adaptable Assessment Tool for Disruptive Behavior Disorders</td>
</tr>
</tbody>
</table>
### AACAP Pilot Research Awards for Junior Faculty and Child and Adolescent Psychiatry Fellows

The AACAP Pilot Research Awards for Junior Faculty and Child and Adolescent Psychiatry Fellows, supported by AACAP’s Endowment, offered up to $15,000 in research funding support to child and adolescent psychiatry residents and junior faculty who have an interest in starting a research career.

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</thead>
<tbody>
<tr>
<td>2015</td>
<td>Daniel Medeiros Almeida, MD</td>
<td>Robert McNamara, PhD</td>
<td>Cincinnati Children's Hospital Medical Center</td>
<td>Long-Chain Omega-3 Fatty Acid Levels and Declarative Memory Testing in Adolescent Depressive Disorders</td>
</tr>
<tr>
<td>2015</td>
<td>Carolina Vidal, MD</td>
<td>Lawrence Wissow, PhD</td>
<td>Johns Hopkins University</td>
<td>Perceived Relative Deprivation and Depression in an Adolescent Urban Population</td>
</tr>
<tr>
<td>2014</td>
<td>Emily Gray, MD</td>
<td>Kamryn Eddy, PhD</td>
<td>Massachusetts General Hospital</td>
<td>Characterization of Deficits in Social Cognition and Associated Dysregulation of Oxytocin Secretion in Low Weight Adolescent Eating Disorders</td>
</tr>
<tr>
<td>2014</td>
<td>Timothy Rice, MD</td>
<td>Dorothy Grice, MD</td>
<td>The Icahn School of Medicine at Mount Sinai</td>
<td>Mediators and Moderators of Group Cognitive Behavioral Therapy for Childhood Obsessive Compulsive Disorder</td>
</tr>
</tbody>
</table>
## AACAP Pilot Research Award for Junior Faculty and Child and Adolescent Psychiatry Fellows

Supported by Lilly USA, LLC.

The AACAP Pilot Research Awards for Junior Faculty and Child and Adolescent Psychiatry Fellows, supported by Lilly USA, LLC, offered up to $15,000 in research funding support to child and adolescent psychiatry residents and junior faculty who have an interest in starting a research career.

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</thead>
<tbody>
<tr>
<td>2013</td>
<td>Michael Birnbaum, MD</td>
<td>Christoph Correll, MD</td>
<td>North Shore LIJ Zucker Hillside Hospital</td>
<td>Exploring Barriers to Care in Early Psychosis</td>
</tr>
<tr>
<td>2013</td>
<td>Shannon Delaney, MD</td>
<td>Annisa Abi-Dargham, MD</td>
<td>Columbia University</td>
<td>An Investigation of Anti-NMDA Receptor Antibodies in Patients with Psychosis, Comparing Adolescents and Young Adults at Clinically High Risk for Psychosis, to those Meeting DSM-IV Criteria for Schizophrenia</td>
</tr>
<tr>
<td>2013</td>
<td>Lawrence Fung, MD, PhD</td>
<td>Allan Reiss, MD</td>
<td>Stanford University</td>
<td>Developmental Pathodynamics of Structural and Connectional Neuroanatomy in a Mouse Model of Fragile X Syndrome</td>
</tr>
<tr>
<td>2013</td>
<td>Tejal Kaur, MD</td>
<td>Bradley S. Peterson, MD</td>
<td>Columbia University Medical Center/New York State Psychiatric Institute</td>
<td>Surface Anatomy of the Hippocampus and Cortex: Relationship to Familial Risk for Schizophrenia</td>
</tr>
<tr>
<td>2013</td>
<td>Christina Khan, MD, PhD</td>
<td>Victor Carrion, MD</td>
<td>Stanford University</td>
<td>Empowering Girls to Take Charge of their Health through Mindfulness and Movement Therapy</td>
</tr>
<tr>
<td>2013</td>
<td>Ernest Pedapati, MD, MS</td>
<td>Elana Harris, MD, PhD, &amp; Steve Wu, MD, MS</td>
<td>Cincinnati Children's Hospital Medical Center</td>
<td>Cortical Plasticity in Adolescent Depression</td>
</tr>
<tr>
<td>Year</td>
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<tr>
<td>2012</td>
<td>Jon P. Carlson, MD</td>
<td>D. Cyril D’Souza, MD, &amp; Scott W. Woods, MD</td>
<td>Yale Child Study Center</td>
<td>Imaging Nicotinic Acetylcholine Receptors in the Psychosis Prodrome</td>
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<tr>
<td>2012</td>
<td>Jatinder M. Chawla, MD</td>
<td>Christoph Correll, MD</td>
<td>North Shore-Long Island Jewish Medical Center</td>
<td>Differential Effects of Risperidone and Aripiprazole on Prolactin-Mediated Alterations in Sex Hormones, Sexual Functioning and Bone Turnover in Antipsychotic-Naive Adolescents</td>
</tr>
<tr>
<td>2012</td>
<td>Aaron Krasner, MD</td>
<td>Agnes Whitaker, MD</td>
<td>Columbia University</td>
<td>Revisiting Attention Deficit Disorder (ADD) in a Preterm Low Birthweight Cohort at Age 16 Years: Evidence for a Distinct Disorder?</td>
</tr>
<tr>
<td>2012</td>
<td>Teresa Lim, MD, MSc</td>
<td>Alexander Kolevzon, MD, &amp; Tng A. Wang, PhD</td>
<td>Mount Sinai School of Medicine</td>
<td>A Pilot Neuroimaging Study of 22q13 Deletion Syndrome</td>
</tr>
<tr>
<td>2012</td>
<td>Sunil Mehta, MD, PhD</td>
<td>S. Lawrence Zipursky, PhD, &amp; James McCracken, MD</td>
<td>University of California, Los Angeles</td>
<td>The Role of Neurexin IV in Drosophila Neural Development</td>
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<td>2012</td>
<td>Donna Roybal, MD</td>
<td>Kiki D. Chang, MD</td>
<td>Stanford University</td>
<td>The Effects of Social Stress on Brain Activation and Inflammatory Cytokines in Youth with Bipolar Disorder</td>
</tr>
<tr>
<td>2012</td>
<td>Amy M. Yule, MD</td>
<td>Timothy E. Wilens, MD</td>
<td>Massachusetts General Hospital</td>
<td>The Impact of Exposure to Parental Substance Use Disorders (SUD) on SUD Risk in Growing-up Boys and Girls</td>
</tr>
</tbody>
</table>
### AACAP Pilot Research Award for General Psychiatry Residents

**Supported by Industry Supporters**

The AACAP Pilot Research Awards for General Psychiatry Residents, supported by Arbor Pharmaceuticals, LLC, Pfizer Inc., PhRMA, Sunovion Pharmaceuticals, Inc., and/or Supernus Pharmaceuticals, Inc., offer up to $15,000 in research funding support to child and adolescent psychiatry residents and junior faculty who have an interest in starting a research career.

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<tr>
<th>Year</th>
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<th>Institution</th>
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</tr>
</thead>
<tbody>
<tr>
<td>2022</td>
<td>Joseph M. Aloi, MD, PhD</td>
<td>Leslie Hulvershorn, MD, MSc</td>
<td>Indiana University</td>
<td>Neuroimaging of Reinforcement Learning in Pre-Adolescents at Risk for Substance Use Disorder</td>
</tr>
<tr>
<td>2021</td>
<td>German E. Velez, MD</td>
<td>Michelle Durham, MD, MPH</td>
<td>Boston University School of Medicine</td>
<td>Cultural Factors That Positively Influence Resilience in Undocumented Youth</td>
</tr>
<tr>
<td>2020</td>
<td>Alexandra L. Bey, MD, PhD</td>
<td>Kafui Dzirasa, MD, PhD</td>
<td>Duke University Health System</td>
<td>Identifying Convergent Networks Underlying Sleep Disruption In Autism Spectrum Disorder Mouse Models</td>
</tr>
<tr>
<td>2019</td>
<td>Jack Turban III, MD</td>
<td>Timothy E. Wilens, MD, &amp; Alex S. Keuroghlian, MD, MHS</td>
<td>Massachusetts General Hospital</td>
<td>Childhood and Adolescent Experiences with Gender-related Medical Care and Adult Mental Health Outcomes: Analysis of the 2015 U.S. Transgender Survey</td>
</tr>
<tr>
<td>2018</td>
<td>Emily Olfson, MD, PhD</td>
<td>Thomas V. Fernandez, MD</td>
<td>Yale University</td>
<td>Pilot study investigating the role of de novo genetic variants in trichotillomania</td>
</tr>
<tr>
<td>2017</td>
<td>Yael Kufert, MD</td>
<td>Vilma Gabbay, MD, MS</td>
<td>Icahn School of Medicine at Mount Sinai</td>
<td>Gamma-Aminobutyric Acid as a Biomarker in Adolescent Depression: A Longitudinal Study</td>
</tr>
<tr>
<td>Year</td>
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<tr>
<td>2017</td>
<td>David C. Saunders, MD, PhD</td>
<td>Hedy Kober, PhD</td>
<td>Yale University</td>
<td>Mindfulness-Based ADHD Treatment for Children (MBAT-C)</td>
</tr>
<tr>
<td>2016</td>
<td>Hannah Reed, MD</td>
<td>William Fifer, PhD</td>
<td>Columbia University</td>
<td>Autonomic Regulation as a Biomarker of Perinatal Frontolimbic Connectivity and Later Social and Emotional Development</td>
</tr>
<tr>
<td>2016</td>
<td>Christina Tolbert, MD</td>
<td>Michael A. de Arellano, PhD</td>
<td>Medical University of South Carolina</td>
<td>The Differential Effects of Race/Ethnicity in Childhood Victimization, the Development of Trauma-Related Mental Illness and Trauma Service Utilization</td>
</tr>
<tr>
<td>2015</td>
<td>Jennifer Dwyer, MD, PhD</td>
<td>Michael H. Bloch, MD, MS</td>
<td>Yale University</td>
<td>Efficacy of Rapid-Acting NMDA Antagonist for Treatment of Adolescent Depression</td>
</tr>
<tr>
<td>2015</td>
<td>Kathryn Ridout, MD, PhD</td>
<td>Audrey R. Tyrka, MD PhD</td>
<td>Brown University</td>
<td>The Effects of Childhood Adversity on Cellular Mechanisms of Stress Response and Risk for Psychiatric Disorders</td>
</tr>
<tr>
<td>2015</td>
<td>Gerrit Ian Van Schalkwyk, MD, ChB</td>
<td>Fred R. Volkmar, MD</td>
<td>Yale University</td>
<td>Internet Mediated Communication in Adolescents with Autism Spectrum Disorders</td>
</tr>
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<tr>
<td>2014</td>
<td>Jorge Almeida, MD PhD</td>
<td>Daniel Dickstein, MD</td>
<td>Brown University</td>
<td>Dysfunctional Emotion Processing Brain Circuitry as a Potential Endophenotype in a High-plus Risk Group For Bipolar Disorder</td>
</tr>
<tr>
<td>2014</td>
<td>Araba Chintoh, MBBS, PhD</td>
<td>Gary Remington, MD, PhD, FRCPC</td>
<td>University of Toronto</td>
<td>MR Imaging of Fat Deposition in Adolescents with First-Time Use of Antipsychotics</td>
</tr>
<tr>
<td>2014</td>
<td>Naomi Pitskel, MD</td>
<td>Megan V. Smith, DrPH</td>
<td>Yale University</td>
<td>Effects of Prenatal SRI Exposure on Maternal-Child Interactions</td>
</tr>
</tbody>
</table>
Through the Pilot Award, Dr. Lee was able to conduct focus group research on remote consultation services, which then led to a successful KL2 grant on adapting the Collaborative Care Model for remote consultation.

Christina M. Cruz, MD, EdM, Supported by AACAP

<table>
<thead>
<tr>
<th>Institution: University of North Carolina</th>
<th>Project Title: Task-Shifting Children's Mental Health Treatment to Classroom Teachers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mentor: Bradley, N. Gaynes, MD, MPH</td>
<td>Current Position: Assistant Professor, Division of Child and Adolescent Psychiatry; Associate Director, Division of Global Mental Health; Department of Psychiatry, UNC School of Medicine; Clinical Assistant Professor, School Psychology Program, UNC School of Education</td>
</tr>
</tbody>
</table>

Through the Pilot Award, Dr. Cruz was able to test the feasibility of a novel intervention she co-created in which teachers delivered task-shifted child mental health care to their students in Darjeeling, India, a low and middle income resourced area. She continues to grow the evidence to support this form of care delivery. She recently completed acceptability testing of teacher-led care. She will soon be conducting a cluster-randomized trial to investigate the ability of teacher-led task-shifted child mental health care to improve the mental health of children receiving the care.

Obianuju "Uju" Berry, MD, MPH, Supported by AACAP

<table>
<thead>
<tr>
<th>Institution: Columbia University</th>
<th>Project Title: Treatment of Parents of Intimate Partner Violence and Impact on Child Psychopathology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mentor: Catherine Monk, PhD</td>
<td>Current Position: Medical Director, NYC Health + Hospitals Family Justice Center Mental Health Collaboration; Clinical Assistant Professor, Department of Child and Adolescent Psychiatry, NYU</td>
</tr>
</tbody>
</table>

Through the Pilot Award, Dr. Berry was able to gain a tremendous amount in building her career towards becoming an independent physician scientist. She learned how to critically think about the science, identify gaps, and implement her team to find the answers to her hypotheses. Due to COVID-19, she learned to adapt to challenges of the unexpected and pivot to find alternative avenues for success. The pilot award made it possible for her to link science and research with policy and clinical pursuits. As Medical Director of the Family Justice Center Mental Health Collaboration, she is currently working on integrating research into clinical practice to investigate how maternal trauma history impacts parental capacity and childhood development, and specifically how mental health interventions directed at the mother’s trauma history can ameliorate adverse childhood development.

Emily Olfson, MD, PhD, Supported by Pfizer Inc.

<table>
<thead>
<tr>
<th>Institution: Yale University</th>
<th>Project Title: Pilot Study Investigating the Role of de novo Genetic Variants in Trichotillomania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mentor: Thomas V. Fernandez, MD</td>
<td>Current Position: Clinical Fellow at the Yale School of Medicine, Child Study Center</td>
</tr>
</tbody>
</table>

Through the Pilot Award, Dr. Olfson was able to initiate the first whole-exome sequencing study focused on parent-child trios impacted by trichotillomania. This pilot study led to the development of the Trichotillomania And other Body-focused repetitive behaviors Sequencing (TABS) study. As a clinical fellow, Dr. Olfson has continued to expand her neurogenomic investigations of trichotillomania and other childhood onset psychiatric conditions, including excoriation disorder, ADHD, and anxiety. Her work seeks to advance our fundamental understanding of the genes and biological mechanisms underlying these conditions to ultimately identify novel treatment targets. She was a 2020 recipient of the Klingenstein Third Generation Foundation Fellowship in ADHD.
AACAP PILOT RESEARCH
AWARD RECIPIENTS: WHERE ARE THEY NOW?

Aaron Besterman, MD, Supported by AACAP

Institution: UCLA Semel Institute of Neuroscience and Human Behavior
Project Title: Deep Behavioral Phenotyping of Children with Non-PTEN, Non-TSC Somatic Overgrowth Disorders
Mentor: James McCracken, MD
Current Position: Attending Psychiatrist, Rady Children’s Hospital; Clinical Investigator, Rady Children’s Institute for Genomic Medicine; Health Sciences Assistant Clinical Professor, UCSD Department of Psychiatry

Through the Pilot Award, Dr. Besterman was able to pursue research into the neurobehavioral aspects of a rare neurogenetic condition called Smith-Kingsmore Syndrome. It helped him start to transition to an independent research career and support his training in genetics research. He now has a career split between clinical care and psychiatric genetics research, focusing mainly on neurodevelopmental disorders. Dr. Besterman’s goal is to integrate clinical genetics into the everyday practice of psychiatry.

Erica Greenberg, MD, Supported by AACAP’s Elaine Schlosser Lewis Fund

Institution: Massachusetts General Hospital
Project Title: Modified Comprehensive Behavioral Intervention for Tics: Treating Children with Tic Disorders, Co-occurring ADHD and Psychosocial Impairment
Mentor: Sabine Wilhelm, PhD
Current Position: Director of Pediatric Psychiatry OCD and Tic Disorders Program at Massachusetts General Hospital; Assistant Professor at Harvard Medical School

Through the Pilot Award, Dr. Greenberg was able to conduct a pilot clinical trial, and present on it at AACAP and various other symposia/forums. It provided the opportunity to share preliminary results with clinical research luminaries around the country. She recently published a paper based on clinical observations observed during the treatment component of the study. Dr. Greenberg continues to treat youth with co-occurring Tourette’s disorder and ADHD, and utilizes many of the behavioral strategies that she learned as a treater in the MCBIT study. Through the study, she also had the opportunity to train two additional treaters in CBIT.

Manivel Rengasamy, MD, Supported by AACAP

Institution: University of Pittsburgh
Project Title: The Interaction of Psychotherapy and Inflammatory Plasma Cytokines in Depressed Adolescents
Mentor: Lisa Pan, MD
Current Position: Post-doctoral Scholar at University of Pittsburgh Medical Center

Through the Pilot Award, Dr. Rengasamy was able to examine cross-sectional and longitudinal associations of cytokines with depressive and anhedonic symptoms in depressed adolescents. He has built on this work with ongoing research in adolescents and adults that examines the role of cytokines in dysregulation of reward neural circuitry and symptoms of depression, to ultimately help better understand biological mechanisms of depression and suicidal behavior in adolescents.

Amalia Londoño Tobón, MD, Supported by AACAP

Institution: Yale University
Project Title: Lasting Effects of Minding the Baby® Home Visiting Program for Young Families
Mentor: Linda Mayes, MD
Current Position: Post-Doctoral Research Fellow at the National Institutes on Minority Health and Health Disparities

Through the Pilot Award, Dr. Londoño Tobón was able to investigate the long term effects of Minding the Baby, an attachment-based home-visiting intervention for low-income, underserved, perinatal young women and their infants. She continues to work on psychosocial intervention development and dissemination for families during the perinatal period, particularly for underserved families.
AACAP PILOT RESEARCH
AWARD RECIPIENTS: WHERE
ARE THEY NOW?

Jerome H. Taylor, MD, Supported by AACAP

Institution: Yale Child Study Center
Project Title: Identifying Children and Adolescents at Risk for Antipsychotic-Induced Weight Gain and Metabolic Dysfunction in the Treatment of Early Onset Schizophrenia Spectrum Disorders (TEOSS) Study
Mentor: Michael H. Bloch, MD, MS
Current Position: Children’s Hospital of Philadelphia (CHOP) and University of Pennsylvania (UPenn), Department of Psychiatry, Assistant Professor

Through the Pilot Award, Dr. Taylor was able to analyze NIMH data from the Treatment of Early Onset Schizophrenia Spectrum Disorders Study (TEOSS) and publish two first-author manuscripts using the data. These publications were key to helping him secure his faculty position at CHOP-UPenn and a NIH National Center for Advancing Translational Sciences KL2 Award from UPenn. In his current position, he spends 20% of his time treating children with psychosis spectrum symptoms and 80% of his time conducting research aimed at understanding the biological mechanisms of psychosis symptom progression.

Naser Ahmadi, MD, PhD, Supported by AACAP’s Elaine Schlosser Lewis Fund

Institution: University of California Los Angeles
Project Title: Trial of Reminder Focused Positive Psychiatry in Comorbid Attention Deficit Hyperactive Disorder with Posttraumatic Stress Disorder
Mentors: Robert Pynoos, MD, MPH, Mohammed Molla, MD, and James McCracken, MD
Current Position: Health Science Assistant Professor of Psychiatry at UCLA and UCLA Olive-View Medical Center, and Director of Family Traumatic Stress Clinic at UCLA-Olive View.

Through the Pilot Award, Dr. Ahmadi was able to demonstrate the feasibility of reminder-focused positive psychiatry (RFPP); revealing RFPP is associated with improving symptoms of PTSD and ADHD, increase in wellbeing and biopsychosocial traits, vascular function, and reducing inflammation in adolescents with comorbid ADHD and PTSD, as compared to trauma-focused cognitive-behavioral therapy. He established the Family Traumatic Stress Clinic in Olive View, providing clinical and research services to adolescents with PTSD and their families.

Danielle Baribeau, MD, PhD (Cand), Supported by AACAP

Institution: University of Toronto
Project Title: Biological Correlates of Social Processing Across Childhood-onset Neurodevelopmental Disorders
Mentor: Evdokia Anagnostou, MD
Current Position: Clinical Research Fellow in the Department of Psychiatry at the University of Toronto and Hospital for Sick Children. Dr. Baribeau is working on her PhD, which examines trajectories of anxiety in ASD.

Through the Pilot Award, Dr. Baribeau was able to gain experience designing and funding a study, managing a budget, and contributing knowledge to the scientific literature about biomarkers of social deficits in neurodevelopmental disorders. This experience helped support her continued pursuit of scientific training towards a career in child psychiatry research. Ultimately, building on her experiences through the AACAP Pilot Award and her PhD training, she aims to better understand treatment trajectories and responses in children who have neurodevelopmental disorders and rare genetic variants.

Heather Joseph, DO, Supported by AACAP’s Elaine Schlosser Lewis Fund

Institution: University of Pittsburgh
Project Title: Understanding the Transmission of ADHD: A Laboratory Examination of Fathers with a History of ADHD and their Children
Mentor: Brooke Molina, PhD
Current Position: Assistant Professor of Psychiatry and Pediatrics at the University of Pittsburgh

Support from both AACAP research awards have helped Dr. Joseph launch her career as a physician investigator. The Elaine Schlosser Lewis award-funded project experiences and findings enhanced Dr. Joseph’s interest in early precursors of the development of ADHD prior to the onset of the disorder and parenting behaviors that may modify the trajectory of cognitive development and behavior among offspring at familial risk ADHD. With the support of the Klingenstein Third Generation Foundation ADHD Fellowship and the AACAP Junior Investigator Award, she enrolled 73 mother-father-infant triads (half with a parent with ADHD) into the Pittsburgh ADHD Risk in Infancy Study (PARIS) and followed them to toddlerhood. This work was crucial to her successful application for a NIMH K23 Mentored Career Development Award.
AACAP PILOT RESEARCH AWARD RECIPIENTS: WHERE ARE THEY NOW?

Stephanie H. Ameis MD, MSc, FRCP(C), Supported by AACAP’s Campaign for America’s Kids

**Institution:** The Centre for Addiction and Mental Health, University of Toronto  
**Project Title:** rTMS for the Treatment of Executive Function Deficits in Autism Spectrum Disorder and Associations with Brain Structure: A Pilot Study  
**Mentor:** Peter Szatmari, MD, MSc  
**Current Position:** Clinician-Scientist, Centre for the Addiction and Mental Health, Associate Professor, University of Toronto, Faculty of Medicine, Department of Psychiatry

Through the Pilot Award, Dr. Ameis was able to obtain critical start-up operating funds at an early career stage and allowed her to collect pilot data as junior faculty. This pilot data led to a successful operating grant application to undertake her first study as an independent scientist. The results of the pilot clinical trial indicated the feasibility of using brain stimulation in the context of a rigorous clinical trial design in autistic youth. This led to a successful application for federal operating funds to conduct an efficacy study to examine brain stimulation as a treatment for depression in autistic youth, which is currently underway. The Award influenced her increased focus on researching mental health presentations, and their treatment in autistic youth, has helped attract trainees to her lab, and has led to a number of high-impact publications, both as first and senior-author.

Timothy Rice, MD, Supported by AACAP’s Endowment Fund

**Institution:** Mount Sinai Hospital  
**Project Title:** Mediators and Moderators of Group Cognitive Behavioral Therapy for Childhood Obsessive Compulsive Disorder  
**Mentor:** Dorothy Grice, MD  
**Current Position:** Associate Professor, Psychiatry, at the Icahn School of Medicine at Mount Sinai; Chief, Child and Adolescent Inpatient Psychiatry Services; Director, Medical Student Education in Psychiatry, Mount Sinai St. Lukes-West

Through the Pilot Award, Dr. Rice was able to orient towards maintaining a full time academic position and contribute towards trainee education. He has hosted multiple medical students, residents, and child and adolescent psychiatry fellows in research and writing electives and used the tools obtained through the AACAP Pilot Award experience to further those experiences. Several educational research initiatives and case reports, systematic reviews, chapters and other endeavors have excited trainees and furthered their interest in child and adolescent psychiatry.

Michael L. Birnbaum, MD, Supported by Lilly USA, LLC

**Institution:** North Shore LIJ Zucker Hillside Hospital  
**Project Title:** Exploring Barriers to Care in Early Psychosis  
**Mentor:** Christoph Correll, MD  
**Current Position:** Director of the Early Treatment Program at The Zucker Hillside Hospital at Northwell Health

Through the Pilot Award, Dr. Birnbaum was able to gain invaluable mentorship, substantial research experience, and a jumpstart to his research career. Several years later, now with support from the National Institute of Mental Health, he continues to research the role of social media and the internet in pathways to care for youth with emerging mental illness. The AACAP Pilot Research Award helped make this possible.

Anna M. Georgiopoulos, MD, Supported by AACAP’s Elaine Schlosser Lewis Fund

**Institution:** Massachusetts General Hospital  
**Project Title:** Mood and Attention in Cystic Fibrosis: Prevalence and Impact on Health Outcomes  
**Mentors:** Janet Wozniak, MD, and Jerrold Rosenbaum, MD  
**Current Position:** Assistant Professor of Psychiatry at Harvard Medical School and Massachusetts General Hospital (MGH). She also works in the MGH Cystic Fibrosis (CF) Program and collaborates with the MGH Clinical and Research Program in Pediatric Psychopharmacology and Adult ADHD.

Through the Pilot Award, Dr. Georgiopoulos was able to demonstrate the feasibility of routine psychiatric screening in CF clinic, revealing an elevated prevalence of ADHD symptoms, which were associated with reduced quality of life. She has played a leadership role to develop and implement international mental health guidelines for the CF Foundation and European CF Society, resulting in newly funded mental health coordinator positions integrated into 138 CF centers in the US. She is the 2018 recipient of the CF Foundation’s Carolyn and C. Richard Mattingly Leadership in Mental Health Care Award.
AACAP PILOT RESEARCH AWARD RECIPIENTS: WHERE ARE THEY NOW?

Donna Roybal, MD, Supported by Lilly USA, LLC

Institution: Stanford University  
Project Title: The Effects of Social Stress on Brain Activation and Inflammatory Cytokines in Youth with Bipolar Disorder  
Mentor: Kiki D. Chang, MD  
Current Position: Associate Professor at UT Health San Antonio, Department of Psychiatry, Division of Child and Adolescent Psychiatry

Through the Pilot Award, Dr. Roybal was able to have a fantastic opportunity to be PI on a grant studying the functional neural effects of social ostracism on youth with bipolar disorder. The data generated from this grant was then used as preliminary data for an NIMH K23 application which was funded in 2017 and ends in 2021. A manuscript was also produced from the AACAP Pilot Research Award study.

Jeffrey Strawn, MD, Supported by AACAP’s Elaine Schlosser Lewis Fund

Institution: University of Cincinnati  
Project Title: The Neurofunctional Impact of Anxiety in Adolescents With Attention-Deficit/Hyperactivity Disorder  
Mentor: Melissa DelBello, MD, MS  
Current Position: Associate Professor of Psychiatry and Pediatrics at the University of Cincinnati and Cincinnati Children’s Hospital Medical Center

Through the Pilot Award, Dr. Strawn was able to investigate functional magnetic resonance imaging in the assessment of functional abnormalities related to attentional and emotional processing in adolescents with ADHD and co-occurring anxiety. He continues this work in adolescents with anxiety and uses neuroimaging, pharmacogenetics, and other biomarker-driven approaches to identify markers of treatment response and SSRI tolerability in pediatric anxiety disorders. His research program is funded by the National Institutes of Health, PCORI and he has had federal funding for nearly a decade.

Suzan Song, MD, MPH, PhD, Supported by Lilly USA, LLC

Institution: Stanford University/Palo Alto Veterans Affairs Mental Illness Research Education and Clinical Center  
Project Title: Effects of Experiences of Perpetrators of Violence on Parenting and their Children’s Mental Health  
Mentors: Ruth O’Hara, PhD, and Carl Feinstein, MD  
Current Position: Director of the Division of Child/Adolescent & Family Psychiatry and Associate Professor at the George Washington Medical Center. She is also a humanitarian protection adviser for various United Nations organizations and national government agencies.

Through the Pilot Award, Dr. Song was able to understand the social mechanism around intergenerational trauma between former child soldiers and their offspring in Burundi. This work was a feasibility study and allowed her to pursue a PhD, which she later obtained on globalization and mental health of war-affected families. She is a renowned international leader on children of forced displacement, as a subject matter expert to US national government agencies on issues around refugee mental health, human trafficking, and unaccompanied minors. Her work spanned KwaZulu/Natal, Sierra Leone, Liberia, Ethiopia, Haiti, Jordan/Syria, and DR Congo, now focusing on domestic policies affecting vulnerable youth and families.

Ryan Herringa, MD, PhD, Supported by Lilly USA, LLC

Institution: University of Pittsburgh  
Project Title: Functional Brain Changes in Young Adult Combat Veterans with PTSD: Impacts of Childhood Maltreatment and Current Sleep Patterns  
Mentors: Mary Phillips, MD, and Anne Germain, PhD  
Current Position: University of Wisconsin Health Professor in Child & Adolescent Psychiatry and Director of the Division of Child & Adolescent Psychiatry at the University of Wisconsin School of Medicine and Public Health

Through the Pilot Award, Dr. Herringa was able to gain invaluable experience in conducting a clinical neuroscience study, from writing an IRB, recruiting and screening subjects, to analyzing neuroimaging data. This opportunity was crucial for his career development, and laid the foundation for a career development award (K08) funded in 2014, and his first two R01s funded in 2018-19, both through NIMH. Dr. Herringa also received the AACAP Junior Investigator Award in 2011, and was recognized as an AACAP Distinguished Fellow in 2018.
### Tushita Mayanil, MD, MBBS, Supported by AACAP's Elaine Schlosser Lewis Fund

<table>
<thead>
<tr>
<th>Institution:</th>
<th>University of Illinois at Chicago</th>
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<tbody>
<tr>
<td>Project Title:</td>
<td>Functional Magnetic Resonance Imaging Using Attentional and Affective Paradigms in Early Onset Psychosis</td>
</tr>
<tr>
<td>Mentor:</td>
<td>Mani Pavuluri, MD, PhD</td>
</tr>
<tr>
<td>Current Position:</td>
<td>Faculty at the University of Pittsburgh Medical Center</td>
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</table>

**Through the Pilot Award, Dr. Mayanil was able to** study the attentional mechanisms in early onset psychosis. Dr. Mayanil also received the 2013-2014 Center for Mental Health Services (CMHS)-AACAP Fellowship.

### David T.W. Chen, MD, FAPA, Supported by Lilly USA, LLC

<table>
<thead>
<tr>
<th>Institution:</th>
<th>National Institute of Mental Health/Genetic Basis of Mood and Anxiety Disorder Program</th>
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<tbody>
<tr>
<td>Project Title:</td>
<td>Whole Exome Sequencing in First Degree Cousin Pairs with Early Age-At-Onset Bipolar Disorder</td>
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<tr>
<td>Mentor:</td>
<td>Francis McMahon, PhD</td>
</tr>
<tr>
<td>Current Position:</td>
<td>Dr. Chen is currently engaged full time in private practice while continuing to teach at Children's National Medical Center as well as George Washington University Department of Psychiatry.</td>
</tr>
</tbody>
</table>

**Through the Pilot Award, Dr. Chen was able to** fund the preliminary data that went on to facilitate his discovery of three novel risk loci for bipolar disorder. He has recently become involved in the field of bioethics and telemedicine.

### Joan Daughton, MD, Supported by AACAP’s Elaine Schlosser Lewis Fund

<table>
<thead>
<tr>
<th>Institution:</th>
<th>University of Nebraska</th>
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<tbody>
<tr>
<td>Project Title:</td>
<td>Ritalin LA in the Treatment of Young Children with ADHD</td>
</tr>
<tr>
<td>Mentor:</td>
<td>Christopher J. Kratochvil, MD</td>
</tr>
<tr>
<td>Current Position:</td>
<td>Children's Hospital and Medical Center, Behavioral Health Department, Child and Adolescent Psychiatrist</td>
</tr>
</tbody>
</table>

**Through the Pilot Award, Dr. Daughton was able to** gain valuable experience in learning the intricacies of applying for funding, navigating the IRB process, running a research study, and analyzing and presenting the data. While she is not currently participating in research, she utilizes those skills to collaborate within her community and advocate for quality mental health assessment and treatment of all children.
Hanna Stevens, MD, PhD, Supported by Lilly USA, LLC

**Institution:** Yale University  
**Project Title:** Prenatal Stress and Effects on Inhibitory Neurons  
**Mentor:** Flora M. Vaccarino, MD  
**Current Position:** Ida P. Haller Chair of Child and Adolescent Psychiatry in the Department of Psychiatry at University of Iowa Carver College of Medicine

Through the Pilot Award, Dr. Stevens was able to obtain funds to perform the initial studies showing that prenatal stress in animal models influenced development of GABAergic neurons in offspring. The award also gave her greater confidence in her ideas and has been an important demonstration on her CV that she could procure external funding. She continues to pursue these studies, demonstrating that specific cellular stress mechanisms may be critical in these effects and may provide points for intervention.

Jeremy Veenstra-VanderWeele, MD, Supported by Lilly USA, LLC

**Institution:** Vanderbilt University  
**Project Title:** Mouse Model of the Serotonin System Relevant to Autism  
**Mentor:** Randy Blakely, PhD  
**Current Position:** Professor and Director of Child and Adolescent Psychiatry, Department of Psychiatry, Columbia University and New York State Psychiatric Institute

Through the Pilot Award, Dr. Veenstra-VanderWeele was able to get started in research. As the first grant he received, the award allowed him to branch out from work funded through his mentor. The research it supported launched a pathway of research that yielded papers published in PNAS, Autism Research, Neuropsychopharmacology, and JAACAP. This support impacted his career, especially given the big transition from human genetics to mouse-based neuroscience research. His current work continues to build on this strong foundation, including novel findings that point to an unexpected role for the maternal serotonin system in neurodevelopment from mice to human populations.
FROM AACAP’S PILOT AWARD TO AACAP’S K12 AWARD

NIDA/AACAP Physician Scientist Training Program in Substance Abuse Research Supported by: National Institute on Drug Abuse (NIDA) Career Development Award (K12)

- Provides up to five years of salary support, research support, and mentored addiction research training
- For qualified child and adolescent psychiatrists specializing in substance use research
- Leadership provided by principal investigator and advisory committee mentors within AACAP membership

Goals:
- Increase the number of child and adolescent psychiatrist investigators conducting both addiction and mental health research
- Disseminate pediatric addiction research to increase scientific knowledge and improve clinical practice

History:
- First granted to AACAP in 1998
- 24 scholars completed the program between 1998-2021
- 8 current scholars received the award in 2021

Aviva Olsavsky, MD
2018 Pilot Awardee and 2021 K12 Scholar

Institution: University of Colorado Denver/Children’s Hospital Colorado
Project Title: Project SIMBA: Stress in Moms and Babies
Mentor: Larry Wissow, MD, MPH

Pilot Award Supported by AACAP

Dr. Olsavsky is currently Assistant Professor at University of Colorado School of Medicine/Children's Hospital Colorado.

Through the Pilot Award, Dr. Olsavsky was able to examine neural responses to infants within the salience network in a population of mothers with reported childhood maltreatment experiences using a behavioral approach task and functional neuroimaging. These initial studies enabled her to obtain career development funding (NIDA/AACAP K12) to use similar techniques to examine the interactive effects of mothers’ own maltreatment experiences and maternal cannabis use on mothers’ salience network structure and function, in addition to how these phenomena influence mother-infant relationships.
Carol Vidal, MD, MPH

**Institution**: Johns Hopkins University  
**Project Title**: Perceived Relative Deprivation and Depression in an Adolescent Urban Population  
**Mentor**: Larry Wissow, MD, MPH  

Pilot Award Supported by AACAP’s Endowment

Dr. Vidal is currently Assistant Professor of Psychiatry and Behavioral Sciences, Department of Psychiatry, Division of Child and Adolescent Psychiatry, Johns Hopkins University.

Through the Pilot Award, Dr. Vidal was able to study social hierarchies and mental health and collect pilot data on stress, depression, and suicide thoughts and behaviors in urban adolescents. She continues her work to prevent injury in adolescent minorities at risk for suicide and aggression in emergency and school-based services. She recently received an AACAP K12 Physician Scientist in Substance Use Career Development Award, and will be focusing on researching cannabis use and suicide thoughts and behaviors in adolescents longitudinally.

Amy Yule, MD

**Institution**: Massachusetts General Hospital  
**Project Title**: The Impact of Exposure to Parental Substance Use Disorders (SUD) on SUD Risk in Growing-Up Boys and Girls  
**Mentor**: Timothy E. Wilens, MD  

Pilot Award Supported by Lilly USA, LLC

Dr. Yule is currently the Director of Adolescent Addiction Psychiatry at the Boston Medical Center and an Assistant Professor of Psychiatry at the Boston University School of Medicine.

Through the Pilot Award, Dr. Yule was able to gain practical experience in working with a research assistant, working with a biostatistician on a complicated secondary analysis, and managing a budget. The award also helped build her confidence to pursue a research career and laid the groundwork to pursue future research awards such as a two-year institutional award and a subsequent career development award through AACAP/NIDA. She continues to be funded by NIDA and is a mPI on a Helping End Addiction Long Term Initiative Prevention grant.
FROM AACAP’S PILOT AWARD TO AACAP’S K12 AWARD

Leslie Hulvershorn, MD, MSc

**Institution:** New York University Child Study Center and New York University Langone Medical Center  
**Project Title:** Abnormal Corticolimbic Functional Connectivity Associated with Emotional Lability but not Hyperactivity in Children with ADHD  
**Mentors:** F. Xavier Castellanos, MD, Rachel Klein, PhD, Amy Krain Roy, PhD, and Michael P. Milham, MD, PhD  
**Pilot Award Supported by AACAP’s Elaine Schlosser Lewis Fund**

Dr. Hulvershorn is currently a tenured Associate Professor of Psychiatry at the Indiana University School of Medicine (IUSM). She also directs the Mood and Adolescent Substance Abuse Clinics at IUSM and serves as the Medical Director at Indiana’s Division of Mental Health and Addiction.

Through the Pilot Award, Dr. Hulvershorn was able to fund the preliminary data needed for three grants awarded to her in 2010-11 by NARSAD, Klingenstein Third Generation Foundation, and IU Health Values Fund. Dr. Hulvershorn was able to generate the data for her 4-year Career Development Award (K12), funded by NIDA and AACAP. In 2016, she was awarded a Research Project Grant (R01) from the NIH to study risky decision-making in high-risk youth.

Kevin Gray, MD

**Institution:** Medical University of South Carolina  
**Project Title:** Cue Reactivity and Medication Treatment in Adolescents with Marijuana Use Disorders  
**Mentor:** Himanshu Upadhyaya, MD  
**Pilot Award Supported by Lilly USA, LLC**

Dr. Gray is currently Professor of Psychiatry and Behavioral Sciences and Assistant Provost for Research Advancement at Medical University of South Carolina in Charleston, South Carolina.

Through the Pilot Award, Dr. Gray was able to build the foundation for a career development award through AACAP/NIDA. His research continues to focus on understanding and treating substance use disorders in adolescence and young adulthood. He has maintained continuous independent NIH funding, building a research team that has made significant discoveries. He mentors multiple junior faculty and postdoctoral fellows and serves as Principal Investigator for the AACAP/NIDA K12 program.
"A diversified portfolio of research initiatives is needed not only to expand the body of scientific knowledge about mental disorders of childhood, but also to heighten society's awareness of these disorders and the enormous social costs they entail."
- 1989 Institute of Medicine Report

Participation in the Research Institute is open to active researchers across disciplines whose work addresses child and adolescent mental health. Representatives from parent advocacy groups, federal parties, and members of industry or private corporations are also encouraged to attend.

Purpose:

The Research Institute takes place each year at AACAP’s Annual Meeting. The purpose of the Institute is to drive the research policy agenda of child and adolescent psychiatry.

How:

Research Committee members invite speakers to discuss topics that promote the creation of an intellectual environment and support scientific inquiry into the development of more effective treatments for patients and improvement of our understanding of mental health.

Goals:

- To emphasize the importance of research in child and adolescent psychiatry and the study of mental illness;
- To improve the dissemination of research-supported information relevant to the mental health of children and adolescents; and
- To create an environment that encourages scientific exploration and collaboration with investigators across disciplines.

The 2020 Research Institute was “very clinically useful” on a “very informative topic.” It provided “helpful information on legal aspects, decision making capacity, informed consent, discussing with clients risk benefit ratio associated with deep brain stimulation.” - 2020 Research Institute Attendees
2022 RESEARCH INSTITUTE

Research Institute: Child and Adolescent Psychiatry in the Era of Genomics
Thursday, October 20, 2022
3:30 pm—5:30 pm

Co-chairs

Ellen J. Hoffman, MD, PhD
Yale School of Medicine

Kevin M. Simon, MD
Boston Children's Hospital/Harvard Medical School

Speakers & Presentation Titles

Thomas V. Fernandez, MD, Yale Child Study Center
Genetic Concepts You Need to Know

Wendy K. Chung, MD, PhD, Columbia University
Sparking Research to Understand the Complexities of ASD

Joseph Gonzalez-Heydrich, MD, and Catherine Brownstein, MPH, PhD, Boston Children's Hospital
Evaluation of Early-Onset Psychosis Should Include Genetic Testing

Raquel Gur, MD, PhD, Perelman School of Medicine at the University of Pennsylvania
Rare and Common Variants: Multimodal Evaluations of Pathways to Psychosis

Erika L. Nurmi, MD, PhD, University of California Los Angeles
Diagnosis and Treatment of Mental Illness as Seen Through the Lens of Genetics: Today and Tomorrow

Gabriel Lázaro-Muñoz, JD, PhD, Harvard University/Massachusetts General Hospital
Genetic Testing in Child and Adolescent Psychiatry: US Clinicians’ Practices, Knowledge, and Attitudes

Matthew State, MD, PhD, University of California San Francisco
Translating Gene Discovery into Treatments in ASD
### RESEARCH INSTITUTE FOCUS: 2003-2012

<table>
<thead>
<tr>
<th>Year</th>
<th>Event Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003</td>
<td>Assessment of Safety in Child Mental Health Research: Obstacles and Opportunities</td>
<td>Addressing the need to develop better methods for assessing the safety of psychosocial and psychopharmacological treatments in controlled clinical trials</td>
</tr>
<tr>
<td>2004</td>
<td>Issues in the Conduct and Interpretation of Studies of Adolescent Depression</td>
<td>Reviewing problems and controversies that have become apparent in conducting and interpreting treatment research in adolescent depression</td>
</tr>
<tr>
<td>2005</td>
<td>Research Literacy: Speeding the Adoption of Evidence-Based Medicine (EBM) in Pediatric Psychiatry</td>
<td>Demonstrating the readily available and wide applicability of EBM as applied to research, post-graduate and medical education, and clinical practice</td>
</tr>
<tr>
<td>2006</td>
<td>Protective and Risk Factors in Pediatric Bipolar Disorder: Predicting Outcomes</td>
<td>Examining rates of recovery for children, adolescents, and adults with bipolar disorder. Determining what developmental and other differences and commonalities might emerge when various outcomes are considered.</td>
</tr>
<tr>
<td>2007</td>
<td>The Future of Neuroimaging: Relevance for Child Psychiatry</td>
<td>Focusing on key insights emerging for various conditions based on diverse methods. Reviewing the results from studies of both normal and abnormal development that relied on a range of brain imaging methods.</td>
</tr>
<tr>
<td>2008</td>
<td>Longitudinal Research – What Is It Informing Us About Clinical Disorders and Psychopathology?</td>
<td>The course of the common psychiatric disorders of childhood and the extent to which variation of outcome within a single diagnosis reflects subtype, comorbidity, or other elements identifiable at the time of diagnosis.</td>
</tr>
<tr>
<td>2009</td>
<td>Investigating the Effects of Psychotherapy on Children and Adolescents: Learning from the Past—Moving Forward</td>
<td>Discussion on the psychotherapy components of studies such as TORDIA, MTA, TADS, CAMS, POTS, and ADAPT that changed the shape of child psychiatry practice and research and raised as many questions as they answered.</td>
</tr>
<tr>
<td>2010</td>
<td>Perspectives on Current Pediatric Psychopharmacology Research Needs</td>
<td>Identifying the direction of future research on psychopharmacological treatments for youth with psychiatric disorders after the passage of the FDA Modernization Act, the Best Pharmaceuticals for Children Act, and the Pediatric Research Equity Act.</td>
</tr>
<tr>
<td>2011</td>
<td>Advancing Biomarker Sciences in Pediatric Psychiatry</td>
<td>Introducing participants to biomarker sciences as applied to the development of diagnostic, prognostic, and treatment biomarkers in pediatric psychiatry.</td>
</tr>
<tr>
<td>2012</td>
<td>Preventing Psychopathology in Childhood and Adolescence</td>
<td>Introducing participants to principles of universal and targeted prevention in medicine, mechanisms involved in mental illness risk and resilience, and novel clinical applications of psychiatric prevention efforts in youth at familial and clinical high risk for exemplary major psychiatric disorders with pediatric onset.</td>
</tr>
</tbody>
</table>
RESEARCH INSTITUTE FOCUS: 2013-2021

**Sensitive Periods in Brain Development: Implications for Child Psychopathology and Therapeutics**
Introducing participants to the most current empirical studies that inform whether there may be sensitive periods in human emotional development
Considerations for next steps in research and how such sensitive periods may be applicable to treatment models in developmental psychopathology

**The Use of Research Domain Criteria (RDoC) for the Study of Psychopathology**
Holding an interactive discussion on the unveiling of RDoC as part of the National Institute of Mental Health's strategic plan
Enhancing the understanding of RDoC for child and adolescent psychiatry and outlining initial steps for the best approach by which RDoC and DSM-5 can be effectively utilized

**What's Up in Child Addiction Research: A Focus on Methodology**
Providing a higher level of understanding of the methodology of studies of substance use disorder research in pediatric and young adult populations

**Epigenetics in Child and Adolescent Psychiatry**
Providing an overview of epigenetic mechanisms and a discussion of the integration of epigenetics into child and adolescent psychiatry research
The basic epigenetic mechanisms that connect environmental experience with outcomes and how physician-scientists and clinical researchers have integrated epigenetic approaches into their research

**This Is Your Brain on Child Psychiatry. Any Questions? A Practical Update on the Impact of Neuroimaging Findings in Child Psychiatry**
Providing updates on the current state of neuroimaging research from a practical, clinician-focused standpoint and discussing future challenges and opportunities for clinically relevant imaging research

**Treatment Updates in Pediatric Depression and Suicidality**
Providing updates on the detection, evaluation, and treatment of depression and suicidality in children and adolescents

**Techno-Psychiatry: Child Psychiatry in the Digital Age**
Highlighting the strengths, challenges, and promises of technological advancements in child and adolescent psychiatry research and clinical practice, with an emphasis on ethical issues and client perspectives

**Vistas of Neurotherapeutics in Child and Adolescent Psychiatry**
Highlighting research related to rapidly evolving neurotherapeutics and brain stimulation modalities that hold the promise of augmenting or providing alternatives to current treatment approaches for neurodevelopmental disorders in children and adolescents

**Heeding the Data: The Impact of Racism on the Lives and Mental Health of Children**
Highlighting important research that demonstrates the impact of racism as a specific determinant of mental health in children and families in the United States. The Institute focused on the pervasive structural racism in education, practice, and access to care as reflected in the scientific obfuscation of research or data on racism and its impact on health and mental health.
2022 RESEARCH SYMPOSIUM  
(FORMERLY KNOWN AS THE FOUNDERS OF THE RESEARCH INITIATIVE SYMPOSIUM)

A Real Treat: Advances in Implementation and Treatment Trial Methodology and Design for Child and Adolescent Psychiatrists

Co-Chairs: Daniel P. Dickstein, MD, and Leslie A. Hulvershorn, MD
Tuesday, October 18, 2022
6:30 pm-8:30 pm

The Research Symposium takes place each year at AACAP’s Annual Meeting to bring the practicing clinician and academician a review and discussion of advanced scientific techniques and demonstrate how they are relevant to the contemporary, clinical practice of child and adolescent psychiatry.

2022 Presenters

Melissa P. DelBello, MD, MS

MOBILITY: Lessons Learned From a Large Pragmatic Pediatric Psychiatry Trial Conducted Before and During COVID-19

Melissa DelBello, MD, MS, is a professor of psychiatry and pediatrics and Dr. Stanley and Mickey Kaplan Chair of Psychiatry and Behavioral Neurosciences at the University of Cincinnati College of Medicine (UCCOM). Dr. DelBello received her medical degree from the University of Rochester and completed her psychiatry residencies at the UCCOM and Payne Whitney Psychiatric Clinic of the New York Hospital-Cornell Medical Center. Dr. DelBello completed a fellowship in child and adolescent psychiatry at Cincinnati Children's Hospital Medical Center and obtained a master's degree in epidemiology and biostatistics from UCCOM. Dr. DelBello has co-authored over 300 articles, and has served as principal or co-investigator of several NIH, PCORI, foundation, and pharmaceutical research grants.

Rinad S. Beidas, PhD
Harnessing Implementation Science to Realize the Promise of Evidence-Based Practices in Child and Adolescent Psychiatry

Rinad S. Beidas, PhD, is Chair and Ralph Seal Paffenbarger Professor of Medical Social Sciences at the Feinberg School of Medicine at Northwestern University. Previously, Dr. Beidas served as founding Director of the University of Pennsylvania Implementation Science Center at the Leonard Davis Institute (PISCE@LDI) from 2017-2022. Dr. Beidas's research leverages insights from implementation science and behavioral economics to make it easier for clinicians, leaders, and organizations to use best practices to improve the quality and equity of care and enhance health outcomes. As an international leader in implementation science, Dr. Beidas has published over 250 peer-reviewed publications in journals such as JAMA, NEJM Catalyst, and Implementation Science. She has led two NIH centers on behavioral economics and implementation science and has a strong record of NIH-funded implementation research serving as MPI or PI of 11 NIH grants totaling approximately $31M. She is an associate editor for Implementation Science, the flagship journal for the field. Dr. Beidas holds a bachelor of arts in psychology from Colgate University and a doctorate of philosophy in psychology from Temple University.
RESEARCH SYMPOSIUM FOCUS: 2005-2012

Translating Neuroscience into Clinical Practice: What is Applicable Now
- Human genetics
- Molecular genetics
- Neuroimaging approaches to developmental psychopathology

New Neuroscience Approaches to Neurodevelopmental Disorders

Genetic and Epigenetic Influences on Brain Development and Behavior, and Their Importance for Understanding Childhood Psychiatric Disorders
- Genetic and epigenetic influences on brain development and behavior
- Their importance for understanding childhood psychiatric disorders

Genetics and Child Psychiatry: Dynamic Interplay of Phenotype, Genotype, and Treatment
- Epidemiology and Genetics: Refining and Redefining Early Onset Psychiatric Disorders
- Fragile X, From Synaptic Structure to a Possible Treatment-Related Biomarker
- Diabetes Mellitus: A Model for Genetic Studies of Autism and Other Childhood Psychiatric Disorders

Contributions of Genetics and Experience in Shaping the Development of Brain and Behavior
- The Critical Role of Early Experience in the Development of Brain and Behavior: A Study of Spatial Hearing in Barn Owls
- The Importance of Early Life Experience on Behavioral Affect Regulation
- The Clinical-Basic Research Interface Leading to New Insights into Autism Spectrum Disorders

Stress, Anxiety, and the Developing Brain
- Fearful brains
- Risk for Anxiety during Adolescence: Insights from Human Imaging to Mouse Genetics
- Diverse Mechanisms of Sex and Stress Hormone Action throughout the Brain: The Significance of Structural and Functional Plasticity

Phenotypes, Genetics, Imaging, and Networks
- Recent Progress in Gene Identification for Selected Neurologic Disorders: Relevance to Psychiatry
- Recent Advances in Neurodevelopmental Imaging in Children and Adolescents: Structural Connectivity and Health Neurodevelopment

Social Context in Development
- Lessons from Songbirds about Basal Ganglia Circuits, Social Context, and Learning
- Lessons From Children About Health Disparities, Social Context, and Methodological Quandaries
RESEARCH SYMPOSIUM FOCUS: 2013-2021

Founders of the Research Initiative Symposium
• The Brain Adapts All Life Long
• The Legacy of Childhood Malnutrition: Mental Health Over the Life Span

Founders of the Research Initiative Symposium
• Serotonin and Autism Spectrum Disorder: Clues to a 50 Year Old
• Mystery Genetic Mechanisms Controlling the Development of the Forebrain

Founders of the Research Initiative Symposium
• Anxiety, Cognition, and Habit: A Memory Systems Perspective
• The role of exome sequencing and other genetic tests in child and adolescent psychiatry

Behavioral Neuroscience
• Development of Human Emotion Regulation Neurobiology and the Role of the Caregiver
• Caregiver Presence Modifies Neural Networks Processing of Trauma in Infancy

Social Neuroscience and Child and Adolescent Psychiatry Research Priorities at NIMH
• Combining Electrophysiology and Functional Magnetic Resonance Imaging to Study Social Visual Cognition
• Advancing Child and Adolescent Psychiatric Research: A View from the NIMH

Opioids From the Receptor to the Clinic
• Molecular Pharmacology of Opioids: Chronic Stress and Developmental Exposures
• Opioid Use Disorders in Youth: NIDA Research Advances and Implications

Advances in the Genetics of Neurodevelopmental Disorders: Translating Findings to the Clinic
• Highlight advances in the genetics of ASDs
• Provide a roadmap for translation of this information into clinical practice

Developments In Irritability: An Old Phenotype With New Frontiers
• Highlight advances in transdiagnostic and diagnosis-specific conceptualizations of irritability
• Discuss emerging insights into relevant neural mechanisms

Leveraging National Data Sources to Rapidly Identify the Early Impact of the COVID-19 Pandemic
• 12 national studies that combine timely, publicly available large data sources to rapidly report on the impact of national school closures and change in mental health-related emergency department (ED) use among US children.
Research Colloquium Purpose and Goals

Early research career child and adolescent psychiatrists receive a full day of mentorship from leaders in the field and secure ongoing regular mentorship by experienced child psychiatry researchers to bolster the chances of independent grant funding as a principal investigator (PI) of a career development (K) award or other equivalent National Institutes of Health (NIH) grant.

Goals
- To increase the number of child and adolescent psychiatry researchers.
- To advance the field’s research.
- To develop the next generation of investigators.

2022 Research Colloquium for Early-Career Investigators
Co-chairs: Kate D. Fitzgerald, MD, and Lisa R. Fortuna, MD, MPH
October 19, 2022, 8:00 am-5:00 pm

Research Colloquium Agenda

I. Welcome and Introductions

II. Introduction to Mentor and 1:1 Meeting

III. NIH Priorities, Christopher Sarampote, PhD, (NIMH) and Geetha Subramaniam, MD (NIDA)

IV. Contemporary Issues for Clinician Scientists
- Mentorship/keeping zeal for science while applying for grants: Kevin Gray, MD
- Diversity, equity, and inclusion needs in pursuing a research career: Lisa Fortuna, MD and Kevin Simon, MD
- Work/life balance or when to say yes/no as a leader: Anne Glowinski, MD, MPE, and Leslie Hulvershorn, MD

V. Working Lunch – Personal K Stories

VI. Grant Feedback Blitz

VII. Reflections on Grant Writing and Feedback

VIII. Closing
2022 RESEARCH COMMITTEE ROSTER

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