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Daniel P. Dickstein, MD, Co-chair
Manpreet K. Singh, MD, Co-chair
Michael H. Bloch, MD, MS
David Cochran, MD, PhD
Paul E. Croarkin, DO, MS
Melissa P. DelBello, MD, MS
Rasim Somer Diler, MD
Stacy S. Drury, MD, PhD
Anne L. Glowinski, MD, MPE
Barbara Gracious, MD
Leslie Hulvershorn, MD
Moira A. Rynn, MD
Timothy Wilens, MD
Bonnie T. Zima, MD, MPH

AACAP Staff
Carmen J. Head, MPH, CHES, Director of Research, Grants, and Workforce
Sarah Hellwege, MEd, Assistant Director of Research, Training, and Education
Amber Prince, Research and Training Coordinator
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. We gratefully acknowledge AACAP’s past and current supporters, Pfizer Inc., Sunovion Pharmaceuticals, Inc., Arbor Pharmaceuticals, LLC, PhRMA, and Supernus Pharmaceuticals, Inc. We look forward to continuing our relationships and developing news ones in 2019. 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 junior investigators to senior faculty—to get involved with advancing our field. We have achieved success on many levels over the past year, but we face a challenge of great importance—preparing a greater number of child and adolescent psychiatrists to conduct important research necessary to improve health outcomes and advance the field—from autism to suicide, from novel medications 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 our training endeavors, Pilot Research Awards, and Junior Investigator Awards; and
• Disseminating evidence-based practices to primary care practitioners and child and adolescent psychiatrists through our annual Research Institute and Research Symposium.

We are eager to do even more. We greatly appreciate your commitment and partnership in this venture to further research training in child and adolescent psychiatry and welcome your thoughts and ideas at the Research Committee Dinner and on an ongoing basis.

Sincerely,

Daniel P. Dickstein, MD
Co-Chair, AACAP’s Research Committee

Manpreet K. Singh, MD
Co-Chair, 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 Pfizer Inc. for contributing to AACAP’s Pilot Research Awards in 2018.

AACAP’s Pilot Research Award Program provides general psychiatry residents, child and adolescent psychiatry residents, fellows, and junior faculty up to $15,000 for one year of support for research on child and adolescent mental health. Based on a 2018 survey of 92 past awardees, 76% have gone on to receive additional research grant support after their pilot award, and 95% have disseminated the results of their research at scientific meetings or in peer-reviewed publications. This year’s pool of applicants was well-qualified and made for a competitive selection process. We received 20 complete applications, representing a wide diversity of candidates, institutions, and research areas. We welcome you to view poster presentations of Pilot Award recipients whom completed their projects in 2018 during AACAP’s 65th Annual Meeting in Seattle, Washington.

Sincerely,

Bonnie Zima, MD, MPH
Chair, Pilot Research Award Program

David Cochran, MD, PhD
Co-Chair, Pilot Research Award Program
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Since 1999, AACAP’s Research Committee has been responsible for the leadership and direction of the AACAP research programs, which are devoted to advancing medical science for the benefit of youth with mental illness.

**Goals**

- 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 facilitate junior scientists to enter research careers in child and adolescent psychiatry and to facilitate their further development as independent scientists.
- To develop and disseminate accurate information about mental illness and its treatment to patients, providers, researchers, and policy makers.
- To promote and facilitate clinical research in child psychopathology.
- To shape research policy pertaining to research in child and adolescent psychiatry.
- To stimulate and collaborate with other AACAP committees.
- To plan and promote the Research Institute (formerly known as the Research Forum) and Research Symposium (formerly known as the Founders of the Research Initiative Symposium) at the Annual Meeting.
- To advance the growth of research-related funds.

**How We Meet Our Goals**

**Programs:**
- Research Institute
- Research Symposium
- AACAP Junior Investigator and Pilot Award Programs

**Activities:**
- Serve as an informal peer oversight committee for all research award programs.
- Work to address current issues facing pediatric psychiatry.
- Members meet via conference call once per month.
- Members meet face-to-face once per year.
- Members attend research-related meetings on an as-needed basis.
### Programs

| Research Symposium | Research Institute |

### Awards

- **AACAP Junior Investigator Award**  
  *Supported by AACAP and Industry Supporters*

- **AACAP Pilot Research Award for Junior Faculty and Child and Adolescent Psychiatry Fellows**  
  *Supported by AACAP*

- **AACAP Pilot Research Award for General Psychiatry Residents**  
  *Supported by Industry Supporters*

- **AACAP Pilot Research Award for Attention Disorders and/or Learning Disabilities**  
  *Supported by AACAP’s Elaine Schlosser Lewis Fund*
Executive Overview

In 2018 the Research Committee focused on...

- Increasing the number of child and adolescent psychiatry researchers through mentored research awards.
- 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.

Training Challenges

- Obtaining pharmaceutical and federal funding.
- The National Institutes of Health (NIH) provides less than 15% of independent research grant funding to new investigators.
- Workforce shortage.

Training Solutions

- Explore new funding streams for research awards made possible by private, federal, and industry support.
- AACAP Awards.
- Integrated care training programs, such as Triple Board, offer ways to be cross-trained in pediatric and psychiatric care.

AACAP Pilot Research Awards

Supported by AACAP, Pfizer Inc., AACAP’s Elaine Schlosser Lewis Fund

- Award provide up to $15,000 for one year of support to general psychiatry residents, child and adolescent psychiatry fellows, and junior faculty for pilot research projects.
- Awardees work with a mentor who is a child and adolescent psychiatry senior researcher in their area of interest.
- Mentors help with research, design, and implementation over the course of the project.

AACAP Junior Investigator Award

Supported by AACAP, Supernus Pharmaceuticals, Inc., Pfizer Inc., Sunovion Pharmaceuticals, Inc.

- Award provides up to $30,000 per year, for two years, to junior faculty who specialize in child and adolescent psychiatry and wish to conduct research relevant to the understanding, treatment, and prevention of child and adolescent mental health disorders.
- Projects facilitate innovative research in basic and/or clinical topics.
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

Residents and Junior 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 Industry Supporters and AACAP
- Oversight by the Research Committee
- $30,000 per year for a two-year mentored research project
- Poster presentation at AACAP’s Annual Meeting

AACAP Pilot Research Award for Junior 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

Junior Faculty

NIDA/AACAP Physician Scientist Training Program in Substance Abuse Research, supported by NIDA Career Development Award (K12)
- Oversight by Program Director, Paula D. Riggs, MD, and an AACAP Advisory Committee
- Up to $100,000 per year salary support and $50,000 research support per year for five-year mentored research project in substance use
- 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>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arbor Pharmaceuticals, LLC.</td>
<td>$15,000</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Individual Contributions</td>
<td>$432</td>
<td>$2,163</td>
<td>$3,199</td>
<td>$644</td>
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<tr>
<td>Pfizer Inc.</td>
<td>$20,000</td>
<td>$45,000</td>
<td>$40,000</td>
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<tr>
<td>Research Institute</td>
<td>$6,030</td>
<td>$15,570</td>
<td>$9,660</td>
<td>$13,860</td>
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<tr>
<td>AACAP’s Campaign for America’s Kids</td>
<td>$35,150</td>
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<td></td>
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<tr>
<td>Sunovion Pharmaceuticals Inc.</td>
<td>$25,000</td>
<td>$25,000</td>
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<td>$25,000</td>
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<tr>
<td>Supernus Pharmaceuticals, Inc.</td>
<td>$20,000</td>
<td>$25,000</td>
<td>$10,000</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$66,612</strong></td>
<td><strong>$82,733</strong></td>
<td><strong>$82,859</strong></td>
<td><strong>$89,504</strong></td>
</tr>
</tbody>
</table>

### Expenditures

<table>
<thead>
<tr>
<th>Event</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Committee Dinner</td>
<td>$1,659</td>
<td>$2,446</td>
<td>$1,626</td>
<td></td>
</tr>
<tr>
<td>Junior Investigator Award</td>
<td>$52,008</td>
<td>$59,669</td>
<td>$44,027</td>
<td>$30,319</td>
</tr>
<tr>
<td>Research Symposium</td>
<td>$5,590</td>
<td>$390</td>
<td>$200</td>
<td>$228</td>
</tr>
<tr>
<td>Research Institute</td>
<td>$10,398</td>
<td>$8,250</td>
<td>$4,470</td>
<td>$750</td>
</tr>
<tr>
<td>Personnel Cost</td>
<td>$5,588</td>
<td>$1,755</td>
<td>$297</td>
<td>$51</td>
</tr>
<tr>
<td>Overhead</td>
<td>$4,481</td>
<td>$3,917</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Research Committee</td>
<td>$19,167</td>
<td>$14,245</td>
<td>$20,568</td>
<td>$9,029</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$100,907</strong></td>
<td><strong>$90,674</strong></td>
<td><strong>$71,188</strong></td>
<td><strong>$40,377</strong></td>
</tr>
</tbody>
</table>

As of September 2018
Junior Investigator Award: How it Works

**Junior Investigator Award Goal:** To increase the number of child and adolescent psychiatry researchers

**History of Junior Investigator Award:**
The Junior Investigator Award was created in 2009 to support AACAP members who are child and adolescent psychiatry researchers reach their goal of becoming an independent researcher. Since 2009, AACAP has awarded 12 Junior Investigator Awards.

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

**Pfizer Inc., Supernus Pharmaceuticals, Inc., and Sunovion Pharmaceuticals, Inc.**

- Support of up to $30,000 per year for two years
- For child and adolescent psychiatry junior 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

*The Junior Investigator Award does not compete with the Pilot Research Award or AACAP’s K12 Grant from NIDA*

**Evaluation of Program Success**

<table>
<thead>
<tr>
<th>Applicants</th>
<th>Short-Term Program</th>
<th>Long-Term Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Submission of continuing project summary &amp; budget</td>
<td>Marketing effort &amp; return</td>
<td>Development of a research career</td>
</tr>
<tr>
<td>Research committee reviews summary &amp; new applications</td>
<td>High response rate demonstrates program is fulfilling need in research community</td>
<td>Number of additional grants received, presentations, &amp; publications</td>
</tr>
<tr>
<td>Continued funding based on evaluation &amp; progress to date</td>
<td>Success of first several awardees</td>
<td>Survey evaluation of awardees</td>
</tr>
<tr>
<td>Award Recipient</td>
<td>Mentor(s)</td>
<td>Institution</td>
</tr>
<tr>
<td>-----------------------</td>
<td>----------------------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>2018</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heather M. Joseph, DO</td>
<td>Brooke Molina, PhD</td>
<td>University of Pittsburgh</td>
</tr>
<tr>
<td>2017</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Natalie Ramos, MD</td>
<td>Jeanne Miranda, PhD</td>
<td>University of California, Los Angeles</td>
</tr>
<tr>
<td>2015</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ernest Pedapati, MD</td>
<td>Donald Gilbert, MD, MS</td>
<td>Cincinnati Children’s Hospital Medical Center</td>
</tr>
<tr>
<td>2014</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roger Jou, MD, MPH, PhD</td>
<td>Kevin Pelphrey, PhD, &amp; Fred Volkmar, MD</td>
<td>Yale University</td>
</tr>
<tr>
<td>Luis Patino Duran, MD, MS</td>
<td>Melissa DelBello, MD, MS</td>
<td>University of Cincinnati</td>
</tr>
<tr>
<td>2013</td>
<td></td>
<td></td>
</tr>
<tr>
<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>
</tr>
<tr>
<td>2011</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ryan Herringa, MD, PhD</td>
<td>Ned H. Kalin, MD, &amp; Marilyn J. Essex, PhD</td>
<td>University of Wisconsin School of Medicine and Public Health</td>
</tr>
<tr>
<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>
</tr>
<tr>
<td>Award Recipient</td>
<td>Mentor(s)</td>
<td>Institution</td>
</tr>
<tr>
<td>-----------------</td>
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<td>-------------</td>
</tr>
<tr>
<td><strong>2010</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Michael Bloch, MD, MS</td>
<td>James Beckman, MD, &amp; Christopher Pittenger, MD, PhD</td>
<td>Yale University</td>
</tr>
<tr>
<td>Craig Erickson, MD</td>
<td>Christopher McDoug, MD</td>
<td>Indiana University School of Medicine</td>
</tr>
<tr>
<td><strong>2009</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evelyn Stewart, MD</td>
<td>David Pauls, PhD, &amp; Jordan Smoller, MD, MSc</td>
<td>Harvard Medical School</td>
</tr>
<tr>
<td>Jeremy Veenstra-VanderWeele, MD</td>
<td>Randy Blakely, PhD</td>
<td>Vanderbilt University</td>
</tr>
</tbody>
</table>
Luis Patino Duran, MD  
2014 Award Recipient

**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 an assistant professor 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 Institute of Health, an essential next step for his career development as an independent investigator

Roger Jou, MD, MPH, PhD  
2014 Award Recipient

**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 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 Associate Research Scientist in the Yale Child Study Center and outpatient child and adolescent psychiatrist at a community clinic.

Impact of Junior Investigator Award

Through this award, Dr. Vanderwal was able to:

• Focus on creating developmentally-informed methods to study large-scale neural networks in young children using fcMRI and EEG
• Collaborate closely with the Developmental Electrophysiology Lab at Yale
• Collaborate with the New York University Center for Developmental Disorders

Dr. Vanderwal’s Honors and Awards

• 2012-present: Yale Psychiatry Research Scholars Program
• 2012-2013: APA/Lilly Psychiatric Research Fellowship
• 2009-present: 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
• 2008-2010: AACAP Pilot Research Award

Dr. Vanderwal’s Grant Support

• 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: 3
**Impact of Junior Investigator Award**

*Through this award, Dr. Herringa was able to:*

- Use brain imaging (fMRI) to characterize functional brain abnormalities during emotion processing in pediatric PTSD
- Map structural and functional neurodevelopment in pediatric PTSD as compared to typically developing youth

*Dr. Herringa was also a recipient of the 2010 AACAP Pilot Research Award, supported by Lilly USA, LLC*

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**Dr. Herringa’s Honors and Awards**

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

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**Dr. Herringa’s Grant Support**

2018-2023: Principal Investigator on *Normative and Atypical Trajectories of Cognitive-Emotional Development in Adolescence (R01)*, funded by the NIMH for $650,000/year

2015-2020: Co-Investigator on *Dopamine Enhancement of Fear Extinction Learning in PTSD (R21/R33)*, funded by the NIMH

---

2015-2018: Co-Investigator on *A Critical Test of Neural Models of Risk Among Adolescent Assault Victims (R21)*, funded by the NIMH

2014-2019: *Neural Basis of Emotion Regulation in Pediatric Post-Traumatic Stress (K08)*, funded by the NIMH for $990,000

2015-2016: University of Wisconsin Fall Research Competition Award for $45,000

2013-2015: *NARSDAD Young Investigator Grant*, funded by the Brain & Behavior Research Foundation for $60,000

2013-2014: *UW ICTR Pilot Research Award*, funded by the University of Wisconsin Institute for Clinical and Translational Research for $50,000

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**Number of Recent Publications: 18**
Ellen Hoffman, MD, PhD  
2011 Award Recipient

Institution: Yale University School of Medicine Child Study 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

Through this award, Dr. Hoffman was able to:

- Advance her understanding of the biological and genetic mechanisms of ASD
- Work to develop a novel model system that will capitalize on key advantages of zebrafish, including visualization of neural circuitry in transparent embryos and ease of genetic manipulation
- Study the ASD risk gene, Contactin Associated Protein-2 (CNTNAP2)

Dr. Hoffman’s Honors and Awards

- 2013: American College of Nurse Practitioners Travel Award
- 2010: Yale University Investigative Medicine Program: Admitted to Candidacy

Dr. Hoffman’s Grant Support

- 2012-2016: K08 Mentored Clinical Scientist Research Career Development Award, funded by the NIMH for $750,000

Note: Dr. Hoffman did not receive her second year of funding from the Junior Investigator Award, as stipulated by her award agreement, due to her acceptance of the K08 Mentored Clinical Scientist Research Award.

Number of Recent Publications: 24
Institution: Yale University  
Project Title: Double-Blind, Placebo-Controlled Trial of N-acetylcysteine for Childhood Tourette Syndrome  
Mentors: James Beckman, MD, and Christopher Pittenger, MD, PhD

Dr. Bloch is currently an Associate Professor in the Yale Child Study Center, Associate Director of the Child Study Center’s innovative psychiatry residency program, and Associate Director of the Tic and OCD Program.

Impact of Junior Investigator Award

Through this award, Dr. Bloch was able to:

- Conduct a valuable randomized, double-blind, placebo-controlled trial of N-acetylcysteine in children with Tourette Syndrome
- Fund a longitudinal, neuroimaging study of adult-outcome in pediatric OCD which resulted in two first-authored publications and whose data served as a basis for his first R01 application

Dr. Bloch’s Honors and Awards

- **2012-2013**: AACAP Norbert and Charlotte Rieger Award for Scientific Achievement
- **2009**: Seymour L. Lustig Award for Psychiatry Research in Residency
- **2004**: Keese Prize (Best Medical Student Research Thesis)

Dr. Bloch’s Grant Support

- **2010-2015**: Longitudinal Structural MRI Study of Adulthood Outcome in Tourette Syndrome, funded by the NIMH for $850,000
- **2010-2011**: Pilot Study of an NMDA Receptor Antagonist for Treatment-Refractory OCD, funded by NARSDAD for $60,000

Dr. Bloch also served as a mentor to Jadon Webb, MD, PhD, for his AACAP Pilot Research Award for Attention Disorders and/or Learning Disabilities, supported by the Elaine Schlosser Lewis Fund entitled *Meta-Analysis: Do Stimulants Work as "Smart Pills?" The Cognitive Effects of Stimulants in Healthy Subjects Without ADHD.*

Number of Recent Publications: 81
Institution: Indiana University School of Medicine
Project Title: Acamprosate in Youth with Autistic Disorder
Mentor: Christopher McDougle, MD

Dr. Erickson is currently Director of the Fragile X Research and Treatment Center at Cincinnati Children’s and Director of Research at the Kelly O’Leary Center for Autism Spectrum Disorders at Cincinnati Children’s Hospital.

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

Dr. Erickson was also a recipient of the 2006 AACAP Pilot Research Award sponsored by Lilly USA, LLC

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


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

Number of Recent Publications: 85
S. Evelyn Stewart, MD

2009 Award Recipient

Institution: Harvard Medical School  
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 an Associate Professor in the Department of Psychiatry, University of British Columbia and the founding director of the Provincial OCD Translational Research Program at BC Children’s Hospital (BCCH). She is also the Lead of the Brain, Behaviour & Development Theme at BCCH Research Institute and the Research Director of Child, Youth, and Reproductive Mental Health at BC Women’s Hospital.

Impact of Junior Investigator Award

Through this award, Dr. Stewart was able to:

- Observe other clinical research labs through mentorship
- Learn genomic analysis techniques
- Step into the role of Co-director of the International OCD Foundation Genetics Collaborative

Dr. Stewart’s Honors and Awards

2018: Distinguished Achievement Award for Excellence in Clinical and Applied Research, Faculty of Medicine, UBC  
2017: AACAP Norbert and Charlotte Rieger Award for Scientific Achievement  
2017: Nominated for BC Children's Hospital Research Institute Geoffrey L. Hammond Lectureship  
2016: Marquis Who’s Who Lifetime Achievement  
2015: Nominated for Royal College's 2015 Prix d'Excellence - Specialist of the Year Award for Region 1  
2009-2013: Listed in Who’s Who of America  
2009-2013: Listed in Who’s Who in the World  
2009-2013: Listed in Who’s Who of American Women

Number of Recent Publications: 86

Dr. Stewart’s Grant Support

2012-2013, 2016, 2017, 2018: Private Donor Grants totaling $305,000  
2014-2019: CIHR Operating Grant, funded by the Canadian Institutes of Health Research for $526,454  
2014-2015: CIHR Planning Grant, funded by the Canadian Institutes of Health Research for $25,000  
2013-2014: International OCD Foundation Grant for $43,629  
2012-2020: Michael Smith Clinical Research Scholar Award, funded by the Michael Smith Foundation for Health Research for $635,000  
2010: K23 Research Career Development Award, funded by NIH—forced to decline due to move to Canada
Jeremy Veenstra-VanderWeele, MD

Institution: Vanderbilt University

Project Title: Evaluating the SERT 56Ala Knock-In Mouse as a Model for Sensory Aversion in Autism

Mentor: Randy Blakely, PhD

Dr. Veenstra-VanderWeele is a child and adolescent psychiatrist currently at Columbia University and New York State Psychiatric Institute serving as the Mortimer D. Sackler, MD, Professor of Psychiatry; and the Division Director of Child and Adolescent Psychiatry. His molecular laboratory is housed in the Sackler Institute for Developmental Psychobiology, and his clinical research program is based at the NewYork-Presbyterian Hospital Center for Autism and the Developing Brain.

Impact of Junior Investigator Award

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

- Fund his first R01 in 2011

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

Number of Recent Publications: 84

Dr. Veenstra-VanderWeele’s Grant Support

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

2012-2018: Study of Oxytocin in Autism to Improve Reciprocal Social Behaviors (SOARS-B), funded by NIH for $1,146,996

2011-2017: Neurobiological Signatures of Social Dysfunction and Repetitive Behavior, funded by the NIH for $1,250,000

2012-2017: Enduring Impact of Early-Life Serotonin Signaling, funded by the NIH for $1,095,000
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 188 Pilot Awards.

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**AACAP Pilot Research Awards for Attention Disorders and Learning Disabilities**
**Supported by:**
The 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 Junior Faculty and Child and Adolescent Psychiatry Fellows**
**Currently 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, with topics related to attention disorders and/or learning disabilities
- Supports young investigators at a critical stage in their careers

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**AACAP Pilot Research Awards for General Psychiatry Residents**
**Currently Supported by:**
Pfizer Inc.

- 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
In April 2018, 178 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. Fifty-two percent (92) of the total number of past Pilot Award recipients participated in the survey.

Recipients have been engaged in a broad spectrum of research. The most common area of research is ADHD (40%). Other areas of research included sleep, psychosis, brain development, Tourette’s disorder, intellectual disabilities, integrative medicine, early childhood, behavioral health, eating disorders, language development, and primary care.

Areas of Research

Past award recipients work across many work environments, with the majority (73%) working in an academic health center and 61% serving as Assistant or Associate Professors at their respective institutions.

82% of recipients reported that their Pilot Award was valuable or highly valuable in establishing their research career.
The AACAP Pilot Research Awards for Attention Disorders and/or Learning Disabilities, supported by AACAP’s Elaine Schlosser Lewis Fund, 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. The awards are in memory of Elaine Schlosser Lewis and specifically focus on research in attention disorders and learning disabilities.

<table>
<thead>
<tr>
<th>Award Recipient</th>
<th>Mentor(s)</th>
<th>Institution</th>
<th>Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2018</strong></td>
<td></td>
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</tr>
<tr>
<td>Joel Bernake, MD, MSc</td>
<td>Jonathan Posner, MD</td>
<td>Research Foundation for Mental Hygiene, Inc</td>
<td><strong>Impulsivity and Prediction Error Circuits in Children with Attention Deficit Hyperactivity Disorder</strong></td>
</tr>
<tr>
<td>Andrea Diaz Stransky, MD</td>
<td>Denis Sukhodolsky, PhD</td>
<td>Yale University</td>
<td><strong>Digital Delivery of Parent Training for Disruptive Behaviors: Increasing Access to Care</strong></td>
</tr>
<tr>
<td><strong>2017</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Erica Greenberg, MD</td>
<td>Sabine Wilhelm, PhD</td>
<td>Massachusetts General Hospital</td>
<td><strong>Modified Comprehensive Behavioral Intervention for Tics: Treating Children with Tic Disorders, Co-occurring ADHD and Psychosocial Impairment</strong></td>
</tr>
<tr>
<td>Erik Paschall, MD, MPH</td>
<td>Bonnie Zima, MD, MPH</td>
<td>UCLA Semel Institute for Neuroscience and Human Behavior</td>
<td><strong>Adapting a Mobile Health Application Optimizing ADHD Treatment to the Pediatric Setting</strong></td>
</tr>
<tr>
<td><strong>2016</strong></td>
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</tr>
<tr>
<td>Naser Ahmadi, MD, PhD</td>
<td>Robert Pynoos, MD</td>
<td>UCLA</td>
<td><strong>Trial of Positive Psychiatry in Comorbid Attention Deficit Hyperactive Disorder with Posttraumatic Stress Disorder</strong></td>
</tr>
<tr>
<td>Ryan Sultan, MD</td>
<td>Mark Olfson, MD, MPH</td>
<td>Columbia University</td>
<td><strong>Analysis of Clinical and Demographic Characteristics of ADHD Youth Prescribed Antipsychotics</strong></td>
</tr>
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<td>Award Recipient</td>
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<tr>
<td><strong>2015</strong></td>
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<tr>
<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>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>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><strong>2014</strong></td>
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</tr>
<tr>
<td>Argelinda Baroni, MD</td>
<td>F. Xavier Castellanos, MD</td>
<td>NYU School of Medicine</td>
<td>Arousal and Cognitive Variability in ADHD: A Pilot Pupillometry Study</td>
</tr>
<tr>
<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><strong>2013</strong></td>
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</tr>
<tr>
<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>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><strong>2012</strong></td>
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</tr>
<tr>
<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>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>
</tr>
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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.

### Award Recipient

#### 2017

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<tbody>
<tr>
<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>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>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>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>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>Aviva K. Olsavsky, MD</td>
<td>Pilyoung Kim, PhD</td>
<td>University of Colorado</td>
<td>Project SIMBA: Stress in Moms and Babies</td>
</tr>
<tr>
<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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#### 2018

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<tr>
<td>Manivel Rengasamy, MD</td>
<td>Lisa Pan, MD</td>
<td>Western Psychiatric Institute and Clinic</td>
<td>BDNF and cognition in individuals at clinical high-risk for psychosis</td>
</tr>
<tr>
<td>Pravesh Sharma, MD</td>
<td>Michelle Horner, DO</td>
<td>Johns Hopkins Bloomberg Children's 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>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>
<td>Anthony Deo, MD, PhD</td>
<td>Ragi Grigis, MD, and David Kimhy, PhD</td>
<td>Columbia University</td>
<td>The Impact of Attention Deficit on Clinical and Functional Outcomes in Autism Spectrum Disorder</td>
</tr>
<tr>
<td>Kelli C. Dominick, MD, PhD</td>
<td>Craig Erickson, MD</td>
<td>Cincinnati Children’s Hospital Medical Center</td>
<td>Biological Correlates of Social Processing Across Childhood-onset Neurodevelopmental Disorders</td>
</tr>
<tr>
<td>Pilar Trelles, MD</td>
<td>Alexander Kolevzon, MD</td>
<td>Icahn School of Medicine at Mt. Sinai</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>
<tr>
<td>Danielle Baribeau, MD</td>
<td>Evdokia Anagnostou, MD</td>
<td>University of Toronto</td>
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<tr>
<td>Jerome Taylor, MD</td>
<td>Michael Bloch, MD, MS</td>
<td>Yale Child Study Center</td>
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The 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.

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<tr>
<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>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>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><strong>2014</strong></td>
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</tr>
<tr>
<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>Matthew Burkey, MD, MPH</td>
<td>Lawrence S. Wissow, MD, MPH</td>
<td>Johns Hopkins School of Medicine</td>
<td>Developing an Adaptable Assessment Tool for Disruptive Behavior Disorders</td>
</tr>
<tr>
<td>Marc Heiser, MD, PhD</td>
<td>Marco Iacoboni, MD, PhD</td>
<td>UCLA Semel Institute for Neuroscience and Behavior</td>
<td>Mirror Neuron Function in the Psychosis Prodrome in Adolescents</td>
</tr>
<tr>
<td>Maria Zerrate, MD, MHS</td>
<td>Cristiane Duarte, PhD, MPH</td>
<td>New York Presbyterian Hospital</td>
<td>Mental Health Service And Psychotropic Medication Use Among Puerto Rican Youth With Disruptive Behavior Disorders: A Mixed Methods Approach</td>
</tr>
</tbody>
</table>
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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<th>Mentor(s)</th>
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<tbody>
<tr>
<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>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>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>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>
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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<tbody>
<tr>
<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>Shannon Delaney, MD</td>
<td>Annisa Abi-Dargham, MD</td>
<td>Columbia University Medical Center</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>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>
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<tr>
<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>Christina Khan, MD, PhD</td>
<td>Victor Carrion, MD</td>
<td>Stanford University School of Medicine</td>
<td>Empowering Girls to Take Charge of their Health through Mindfulness and Movement Therapy</td>
</tr>
<tr>
<td>Ernest Pedapati, MD, MS</td>
<td>Elana Harris, MD, PhD, and Steve Wu, MD, MS</td>
<td>Cincinnati Children's Hospital Medical Center</td>
<td>Cortical Plasticity in Adolescent Depression</td>
</tr>
<tr>
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</tr>
<tr>
<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>
</tr>
<tr>
<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>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>
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<tr>
<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>
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<tr>
<td>Sunil Mehta, MD, PhD</td>
<td>S. Lawrence Zipursky, PhD, &amp; James McCracken, MD</td>
<td>UCLA</td>
<td>The Role of Neurexin IV in Drosophila Neural Development</td>
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<tr>
<td>Donna Roybal, MD</td>
<td>Kiki D. Chang, MD</td>
<td>Stanford University School of Medicine</td>
<td>The Effects of Social Stress on Brain Activation and Inflammatory Cytokines in Youth with Bipolar Disorder</td>
</tr>
<tr>
<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>
The AACAP Pilot Research Awards for General Psychiatry Residents, supported by Pfizer Inc., Arbor Pharmaceuticals, LLC, and/or PhRMA, 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.

<table>
<thead>
<tr>
<th>Award Recipient</th>
<th>Mentor(s)</th>
<th>Institution</th>
<th>Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2018</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<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 trichotillmania</td>
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<tr>
<td><strong>2017</strong></td>
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<tr>
<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>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><strong>2016</strong></td>
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</tr>
<tr>
<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>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><strong>2015</strong></td>
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</tr>
<tr>
<td>Jennifer Dwyer, MD, PhD</td>
<td>Michael Bloch, MD, MS</td>
<td>Yale School of Medicine</td>
<td>Efficacy of Rapid-Acting NMDA Antagonist for Treatment of Adolescent Depression</td>
</tr>
<tr>
<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>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>
</tbody>
</table>

33
<table>
<thead>
<tr>
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<th>Mentor(s)</th>
<th>Institution</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Jorge Almeida, MD PhD</td>
<td>Daniel Dickstein, MD</td>
<td>Brown University</td>
<td><em>Dysfunctional Emotion Processing Brain Circuitry as a Potential Endophenotype in a High-plus Risk Group For Bipolar Disorder</em></td>
</tr>
<tr>
<td>Araba Chintoh, MBBS, PhD</td>
<td>Gary Remington, MD, PhD, FRCPC</td>
<td>University of Toronto</td>
<td><em>MR Imaging of Fat Deposition in Adolescents with First-Time Use of Antipsychotics</em></td>
</tr>
<tr>
<td>Naomi Pitskel, MD</td>
<td>Megan V Smith, DrPH</td>
<td>Yale School of Medicine</td>
<td><em>Effects of Prenatal SRI Exposure on Maternal-Child Interactions</em></td>
</tr>
</tbody>
</table>
Dr. Strawn is currently an Assistant 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 is utilizing other functional imaging approaches to identify markers of treatment response in anxious adolescents.

Dr. Roybal is currently an Assistant Professor and Director of the Child and Adolescent At-risk Evaluation for Bipolar Disorders Program (CAARE-BD) at UT Health San Antonio.

Through the Pilot Award, Dr. Roybal was able to examine the biological effects of social stress on youth with bipolar disorder (BD) via the correlation of brain activation levels and functional connectivity with serum inflammatory cytokines. She is a newly funded NIH K23 Career Development Awardee.
Institution: University of Pittsburgh Medical Center
Project Title: Functional Brain Changes in Young Adult Combat Veterans with PTSD: Impacts of Childhood Maltreatment and Current Sleep Patterns
Mentor: Mary Phillips, MD, and Anne Germain, PhD

Dr. Herringa is currently an Assistant Professor of Child & Adolescent Psychiatry at the University of Wisconsin School of Medicine and Public Health. Dr. Herringa also received the AACAP Junior Investigator Award in 2011, and was recognized as an AACAP Distinguished Fellow in 2018.

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 R01 funded in 2018, both through NIMH.
David T.W. Chen, MD, FAPA 2009 Pilot Award Recipient, supported by Lilly USA, LLC

**Institution:** National Institute of Mental Health/Genetic Basis of Mood and Anxiety Disorder Program  
**Project Title:** Whole Exome Sequencing in First Degree Cousin Pairs with Early Age-At-Onset Bipolar Disorder  
**Mentor:** Francis McMahon, PhD

**Dr. Chen is currently** working with Dr. Francis McMahon, MD, at the Human Genetics Branch of the National Institute of Mental Health Intramural Research Program, National Institutes of Health. He works with patients with bipolar disorder from the Old-Order Anabapist (Amish) population. Dr. Chen works as a private practice child and adolescent psychiatrist in Chevy Chase, Maryland.

**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.

Anna M. Georgiopoulos, MD 2009 Pilot Award Recipient, supported by the 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

**Dr. Georgiopoulos is currently** an 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.
Dr. Weder is currently a child and adolescent psychiatrist at the Child Mind Institute. Dr. Weder also received the AACAP Robinson-Cunningham Award for Best Paper by a Resident, “MAOA Genotype, Maltreatment, and Aggressive Behavior: The Changing Impact of Genotype at Varying Levels of Trauma,” published in Biological Psychiatry in 2009.

Through the Pilot Award, Dr. Weder was able to evaluate if baseline parental depression and parental stress moderate immediate intervention effects on parenting outcomes. She was also able to evaluate if the presence of high levels of aggression, impulsivity and callous unemotional traits in children moderate immediate intervention effects on parenting outcomes.

Dr. Kolevzon is currently Director of the Division of Child and Adolescent Psychiatry at Mount Sinai Health System and Clinical Director at Seaver Autism Center for Research and Treatment Icahn School of Medicine at Mount Sinai.

Through the Pilot Award, Dr. Kolevzon was able to receive critical mentorship and explore a research question that fascinated him and ultimately gave him the confidence to pursue a research career. “I am not overstating it to say that without the AACAP Pilot Research Award and the opportunities it provided, I would likely not be in academic psychiatry today. Since that time 14 years ago, I have continued to ask related clinical research questions and feel convinced that the knowledge gained through the AACAP Pilot Research Award experience served as a critical foundation for my career.”
Dr. Correll is currently Professor of Psychiatry and Molecular Medicine at Hofstra Northwell School of Medicine Hempstead, New York and Medical Director of the Recognition and Prevention (RAP) Program at The Zucker Hillside Hospital, Department of Psychiatry.

Through the Pilot Award, Dr. Correll was able to collect pilot data that became a first step and building block toward a larger study and further funding. Additionally, receiving the award boosted his enthusiasm, confidence and hope of having a successful academic career.
Dr. Yule is currently an Assistant in Psychiatry at Massachusetts General Hospital and an Instructor at Harvard Medical School.

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.
Dr. Gray is currently Professor and Director of Child and Adolescent Psychiatry in the Department of Psychiatry and Behavioral Sciences 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 Chair of the Advisory Committee for the AACAP/NIDA K12 program.

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 foundation 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.
"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

Purpose:
The Research Institute takes place each year at AACAP’s Annual Meeting. The purpose of the daylong 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.

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.
Treatment Updates in Pediatric Depression and Suicidality
Thursday, October 25, 2018
10:00 am—4:30 pm
Sponsored by AACAP’s Research Committee

Co-Chairs

Anne L. Glowinski, MD, MPE
Co-Chair

Michael H. Bloch, MD, MS
Co-Chair

Presenters & Discussion Topics

Karen Dineen Wagner, MD, PhD
Antidepressant Trials for Depression in Children and Adolescents

David A. Brent, MD
SSRIs and Suicidality: Cause of Cure

Michael H. Bloch, MD, MS, and Jennifer Dwyer, MD, PhD
Ketamine Across the Lifespan: An Emerging Treatment for Depression and Suicidality

Cheryl King, PhD
Computerized Adaptive Screen for Teen Suicide Risk: Development and Three-Month Prediction of Suicide Attempts

Elizabeth McCauley, PhD
Youth Suicide: How Gender, Sexual Orientation, and Gender-Nonconforming Status Shape Risk and Inform Intervention Strategies
<table>
<thead>
<tr>
<th>Year</th>
<th>Topic</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>
</tbody>
</table>
### 2011

**Advancing Biomarker Sciences in Pediatric Psychiatry**

Introducing participants to biomarker sciences as applied to the development of diagnostic, prognostic, and treatment biomarkers in pediatric psychiatry.

### 2012

**Preventing Psychopathology in Childhood and Adolescence**

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.

### 2013

**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.

### 2014

**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 outline initial steps for the best approach by which RDoC and DSM-5 can be effectively utilized.

### 2015

**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.

### 2016

**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.

### 2017

**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 discuss future challenges and opportunities for clinically relevant imaging research.
Opioids: From the Receptor to the Clinic
Chair: Leslie Hulvershorn, MD

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.

2018 Presenters
Sponsored by AACAP’s Research Committee

Charles Chavkin, PhD
Molecular Pharmacology of Opioids: Chronic Stress and Developmental Exposures

Dr. Chavkin is the Allan and Phyllis Treuer Chair of Pain Research and Professor of Pharmacology at the University of Washington. He is the Director of the University of Washington Center for Drug Addiction Research and a fellow of the American College of Neuropsychopharmacology. He received a PhD in pharmacology from Stanford University, and conducted postdoctoral work at Salk Institute and Scripps Clinic in neurophysiology. Throughout his career, Dr. Chavkin’s research program has been focused on understanding the functioning of the endogenous dynorphin opioid neuropeptides and their kappa opioid receptors. Dr. Chavkin’s research effort in his laboratory continues to be focused on 1) the mechanisms regulating synaptic transmission in the mammalian brain; 2) the molecular mechanisms regulating opioid receptor functioning; and 3) the role of the endogenous dynorphin opioids in the regulation of mood and drug addiction risk. They use a combination of electrophysiological, anatomical, and molecular approaches to understand the role of opioid neuropeptides as neurotransmitters in the brain with the ultimate goal of gaining a better understanding of the molecular basis of drug addiction, a malleable form of motivated behavior.

Geetha Subramaniam, MD
Opioid Use Disorders in Youth: NIDA Research Advances and Implications

Dr. Subramaniam is the Deputy Director of the Center for Clinical Trials Network, at the National Institute on Drug Abuse (NIDA). In this role she has been instrumental in developing research projects in a variety of topic areas, including addressing prevention of substance abuse in adolescents, and prevention and intervention of prescription stimulant misuse in youth. Previously, she was a full-time faculty member in the Division of Child Psychiatry at Johns Hopkins School of Medicine and the Associate Medical Director of Mountain Manor Treatment Center, Baltimore, MD, where she led clinical trials with adolescents with substance use disorder and served as a preceptor to residents and fellows. She distinguished herself as a clinical and research expert in the assessment and treatment of adolescents and young adults with opioid use disorders. She is certified by the American Board of Psychiatry and Neurology in General, Child and Adolescent, and Addiction Psychiatry and a Distinguished Fellow of both the American Psychiatric Association and the American Academy of Child and Adolescent Psychiatry. Dr. Subramaniam received a MBBS from Government Medical College in Ballary, Karnataka, completed her residency in general psychiatry at University of Missouri, and completed her fellowship in child psychiatry at the Johns Hopkins University School of Medicine. She is also a past scholar of the K12 career development award, the AACAP Physician Scientist Program in Substance Abuse, supported by NIDA.
Research Symposium Focus: 2005-2012

**2005**
Human genetics
Molecular genetics
Neuroimaging approaches to developmental psychopathology

**2006**
New neuroscience approaches to neurodevelopmental disorders

**2007**
Genetic and epigenetic influences on brain development and behavior
Their importance for understanding childhood psychiatric disorders

**2008**
Genetics and child and adolescent psychiatry
Dynamic interplay of phenotype, genotype, and treatment

**2009**
Principles of brain development
Strategies for defining the neural circuits that are most susceptible to genetic mutations and experience-induced modifications

**2010**
Stress, anxiety, and the developing brain
“Fearful brains”
Risk for anxiety during adolescence Diverse mechanisms of sex and stress hormone action throughout the brain

**2011**
Phenotypes, genetics, imaging, and networks
Recent progress in gene identification for selected neurologic disorders and their relevancy to psychiatry Structural network modeling in neurodevelopment

**2012**
Social context in development
The human ability to learn, including the capacity to learn to speak
Issues and implications for understanding disparities in children’s health
2013
The brain’s adaptive abilities at all levels of resolution of brain structure and function from the levels of gene expression, synaptic and cellular circuitry operations and behavioral operations, as they pertain to understanding the disorders of the child and adolescent brain
The long-term effects of childhood malnutrition on cognitive and behavioral outcomes

2014
Serotonin and autism spectrum disorder
Genetic mechanisms controlling the development of the forebrain

2015
Anxiety, cognition, and habit: a memory systems perspective
The role of exome sequencing and other genetic tests in child and adolescent psychiatry

2016
Development of human emotion regulation neurobiology and the role of the caregiver
Neurobiology of infant attachment to the caregiver and neural mechanisms for the enduring mental health effects of abuse and trauma in early life

2017
Combining Electrophysiology and Functional Magnetic Resonance Imaging to Study Social Visual Cognition
Advancing Child and Adolescent Psychiatric Research: A View from the NIMH
Daniel Dickstein, MD  
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daniel_dickstein@brown.edu

Manpreet K. Singh, MD  
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Pfizer Inc.

Sunovion Pharmaceuticals, Inc.

Supernus Pharmaceuticals, Inc.