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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
Paul E. Croarkin, DO, MS
Rasim Somer Diler, MD
Anne L. Glowinski, MD, MPE
Barbara Gracious, MD
Kevin M. Gray, MD
Ellen Hoffman, MD, PhD
Leslie Hulvershorn, MD
Timothy Wilens, MD
Bonnie T. Zima, MD, MPH

AACAP Staff
Carmen J. Thornton, MPH, CHES, Director of Research, Grants, and Workforce
Sarah Hellwege, MEd, Assistant Director of Research, Training, and Education
Amber Prince, Research and Training Coordinator
LETTER FROM THE CO-CHAIRS OF AACAP’S RESEARCH COMMITTEE

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 Award Programs. We gratefully acknowledge AACAP’s past and current supporters: Arbor Pharmaceuticals, LLC., PhRMA, Pfizer Inc., Sunovion Pharmaceuticals Inc., and Supernus Pharmaceuticals, Inc. We look forward to continuing our relationships and developing new ones in 2020. 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. In particular, this year we have started a new venture—a career development colloquium for promising clinician scientists at AACAP’s Annual Meeting. This exciting new endeavor holds the potential to mentor and track the progress of the next generation of child psychiatry clinician scientists, and for which we are grateful for potential collaborators and sponsors who want to help us grow this event and cohort of resultant researchers.

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
Manpreet K. Singh, MD, MS
Co-chairs, AACAP’s Research Committee
LETTER FROM THE PILOT AWARD PROGRAM CHAIRS

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 Arbor Pharmaceuticals, LLC, for contributing to AACAP’s Pilot Research Awards in 2019.

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. Since 1993, more than 200 promising young investigators have received pilot research awards to support their early academic career trajectory. Based on a 2019 search of the National Institutes of Health (NIH) RePORTER database, almost one-third of past Pilot Research Award recipients have gone on to secure funding from NIH. Of these recipients, 80% were awarded a K Award and more than 60% have become independent investigators as evidenced by an R Award.

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 2019 during AACAP’s 66th Annual Meeting in Chicago, Illinois.

Sincerely,

Bonnie Zima, MD, MPH
Co-chair, Pilot Research Award Program

David Cochran, MD, PhD
Co-chair, Pilot Research Award Program
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AACAP’S RESEARCH COMMITTEE

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 all AACAP research award programs
• Work to address current issues facing pediatric psychiatry
• Meet via conference call once per month
• Meet face-to-face once per year
• Attend research-related meetings on an as-needed basis
In 2019 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.
- 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:

- Increasing financial debt due to additional education needed for the medical specialization.
- Lack of funding for research related to child and adolescent mental health. The National Institutes of Health (NIH) provides less than 15% of independent research grant funding to new investigators.
- 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

### 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 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 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 the NIDA Career Development Award (K12)**
- Oversight by Program Director, Paula D. Riggs, 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

<table>
<thead>
<tr>
<th>Supporter</th>
<th>Revenue 2016</th>
<th>Revenue 2017</th>
<th>Revenue 2018</th>
<th>Revenue 2019*</th>
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<tr>
<td>Arbor Pharmaceuticals, LLC.</td>
<td>$15,000</td>
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<td></td>
<td>$15,000</td>
</tr>
<tr>
<td>Individual Contributions</td>
<td>$2,163</td>
<td>$3,199</td>
<td>$1,564</td>
<td>$352</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>$15,570</td>
<td>$9,660</td>
<td>$17,010</td>
<td>$7,710</td>
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<tr>
<td>Sunovion Pharmaceuticals Inc.</td>
<td>$25,000</td>
<td>$25,000</td>
<td>$25,000</td>
<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>
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<tr>
<td>Total</td>
<td>$97,733</td>
<td>$82,859</td>
<td>$93,574</td>
<td>$48,062</td>
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</table>

<table>
<thead>
<tr>
<th>Event</th>
<th>Expenditures 2016</th>
<th>Expenditures 2017</th>
<th>Expenditures 2018</th>
<th>Expenditures 2019*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research Committee Dinner</td>
<td>$2,446</td>
<td>$1,626</td>
<td>$2,378</td>
<td></td>
</tr>
<tr>
<td>Junior Investigator Award</td>
<td>$59,669</td>
<td>$44,027</td>
<td>$30,277</td>
<td>$25,562</td>
</tr>
<tr>
<td>Research Symposium</td>
<td>$390</td>
<td>$200</td>
<td>$3,300</td>
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<tr>
<td>Research Institute</td>
<td>$8,250</td>
<td>$4,470</td>
<td>$11,345</td>
<td></td>
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<tr>
<td>Research Committee</td>
<td>$14,245</td>
<td>$20,568</td>
<td>$16,091</td>
<td>$5,818</td>
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<tr>
<td>Total</td>
<td>$85,000</td>
<td>$70,891</td>
<td>$63,391</td>
<td>$31,380</td>
</tr>
</tbody>
</table>

*As of July 31, 2019

A special thank you to our individual donors of the past few years:
- Stephen P. Cuffe, MD
- Stuart Goldman, MD
- Patricia Hetherington
- Deborah Matek, MD
- Douglas K. Novins, MD
- Agnes Whitaker, MD
AACAP RESEARCH COMMITTEE:
PROGRAM ALLOCATION

2019 Research Committee-Related Program Allocation
- Research Committee: 19%
- Junior Investigator Award: 81%

2018 Research Committee-Related Program Allocation
- Research Committee: 25%
- Research Institute: 18%
- Junior Investigator Award: 48%
- Research Symposium: 5%

2017 Research Initiative Program Allocation
- Research Committee: 29%
- Research Dinner: 2%
- Research Institute: 6%
- Research Symposium: 0%
- Junior Investigator Award: 62%

2016 Research Initiative Program Allocation
- Research Committee: 17%
- Research Institute: 10%
- Research Dinner: 3%
- Research Symposium: 0%
- Junior Investigator Award: 70%

10
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 13 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 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

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
Development of a research career
Number of additional grants received, presentations, & publications
Survey evaluation of awardees
AACAP JUNIOR INVESTIGATOR AWARD: RESEARCH AND CAREERS

NIH-FUNDED GRANTS

In May 2019, 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 12 past recipients, 42% have secured NIH-funded K, T, or R grants. Two recipients have secured more than 1 R grant.

2018 SURVEY RESULTS

In April 2018, 12 AACAP Junior Investigator Award recipients were solicited by email to participate in a brief survey to gain better insight of their career direction since receiving the award. Fifty percent (6) of the total number of past Junior Investigator Award recipients participated in the survey.

Recipients have been engaged in a broad spectrum of research. The most common area of research is autism spectrum disorder (67%).

83% 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>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</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>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>
</tbody>
</table>
## JUNIOR INVESTIGATOR AWARD: RECIPIENTS

<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>2011</td>
<td>Ellen Hoffman, MD</td>
<td>Matthew W. State, MD, PhD, 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, Christopher Pittenger, MD, PhD</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, 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>
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
Dr. 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
- Build the foundation for her current lab at the University of British Columbia

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
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

Dr. Herringa’s Honors and Awards

• 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

• 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: NARSAD Young Investigator Grant, funded by the Brain & Behavior Research Foundation for $60,000

Number of Recent Publications: 22
Ellen Hoffman, MD, PhD

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.

“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

• 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

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

Number of Recent Publications: 20
Michael H. Bloch, MD, MS

**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 Albert J. Solnit Integrated Training Program, and Associate Director of the Tic and OCD Program.*

**Impact of Junior Investigator Award**

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

- Fund his first clinical trial examining the efficacy of N-acetylcysteine for Tourette syndrome, helping him launch his career in pediatric psychopharmacology
- Meet with many more experienced research investigators that were part of the research committee, whose advice and collaboration remains critical in his academic career

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

**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’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

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.

**Number of Recent Publications:** 130
Craig A. Erickson, MD, MS

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 Syndrome 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
- 2016-2019: NIH Grant, “Neurophysiological and Acute Pharmacological Studies in Fragile X Syndrome”
- 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
**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 (tenure-track) 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
- Step into the role of Co-director of the International OCD Foundation Genetics Collaborative

### Dr. Stewart’s Honors and Awards

- **2019:** First female child and adolescent psychiatrist to reach the rank of full professor at UBC
- **2019:** Nominated for BC Children’s Hospital Research Institute Geoffrey L. Hammond Lectureship
- **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

### Dr. Stewart’s Grant Support

- **2012-2013, 2016-2019:** Private Donor Grants totaling $700,000
- **2012, 2014, 2016-2019:** BCCH Research Institute Grants totaling $155,000
- **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

### Number of Recent Publications: 93
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 currently Professor and Director of Child and Adolescent Psychiatry, Department of Psychiatry, Columbia University and New York State Psychiatric Institute. 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. Dr. Veenstra-VanderWeele is Co-chair of AACAP’s Autism and Intellectual Disability Committee.

**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 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
**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 **214** 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 Junior 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
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.

Past Pilot Awardees’ Areas of Research Interest

82% of recipients reported that their Pilot Award was Highly Valuable or Valuable in establishing their research career.

In May 2019, 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, almost 30% have secured NIH-funded K, T, or R grants, for a total of 133 federal grants. Of those who have obtained funding, 40% have secured multiple NIH-funded K, T, or R grants.
## AACAP Pilot Research Awards for Attention Disorders

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>Year</th>
<th>Award Recipient</th>
<th>Mentor(s)</th>
<th>Institution</th>
<th>Project Title</th>
</tr>
</thead>
<tbody>
<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></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></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>
</tr>
<tr>
<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></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>Year</td>
<td>Award Recipient</td>
<td>Mentor(s)</td>
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<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></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></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 Castellanos, MD</td>
<td>New York University</td>
<td>Arousal and Cognitive Variability in ADHD: A Pilot Pupillometry Study</td>
</tr>
<tr>
<td></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></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></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>
</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, 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>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>Chuan Mei Lee, MD, MA</td>
<td>Christina Mangurian, MD, MAS, 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></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</td>
</tr>
<tr>
<td></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></td>
<td>Emily Wood, MD</td>
<td>Mirella Dapretto, PhD, 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></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>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></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></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>Year</td>
<td>Award Recipient</td>
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<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></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>
</tr>
<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>
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<tr>
<td></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></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></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></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>
<td></td>
<td>Anthony Deo, MD, PhD</td>
<td>Ragy Grigis, MD, David Kimhy, PhD</td>
<td>Columbia University</td>
<td>BDNF and Cognition in Individuals at Clinical High-risk for Psychosis</td>
</tr>
<tr>
<td></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>
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<tr>
<td></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></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>
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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<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>
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<tr>
<td></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></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></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>
<tr>
<td></td>
<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></td>
<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>
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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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<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></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></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>
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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<tr>
<th>Year</th>
<th>Award Recipient</th>
<th>Mentor(s)</th>
<th>Institution</th>
<th>Project Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>2013</td>
<td>Michael Birnbaum, MD</td>
<td>Christoph Correll, MD, Zucker Hillside Hospital</td>
<td>North Shore LIJ Zucker Hillside Hospital</td>
<td>Exploring Barriers to Care in Early Psychosis</td>
</tr>
<tr>
<td></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></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>
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<td></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>
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<td></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>
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<td>Ernest Pedapati, MD, MS</td>
<td>Elana Harris, MD, PhD, Steve Wu, MD, MS</td>
<td>Cincinnati Children's Hospital Medical Center</td>
<td>Cortical Plasticity in Adolescent Depression</td>
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<td>2012</td>
<td>Jon P. Carlson, MD</td>
<td>D. Cyril D'Souza, MD, Scott W. Woods, MD</td>
<td>Yale Child Study Center</td>
<td><em>Imaging Nicotinic Acetylcholine Receptors in the Psychosis Prodrome</em></td>
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<td></td>
<td>Jatinder M. Chawla, MD</td>
<td>Christoph Correll, MD</td>
<td>North Shore-Long Island Jewish Medical Center</td>
<td><em>Differential Effects of Risperidone and Aripiprazole on Prolactin-Mediated Alterations in Sex Hormones, Sexual Functioning and Bone Turnover in Antipsychotic-Naive Adolescents</em></td>
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<td></td>
<td>Aaron Krasner, MD</td>
<td>Agnes Whitaker, MD</td>
<td>Columbia University</td>
<td><em>Revisiting Attention Deficit Disorder (ADD) in a Preterm Low Birthweight Cohort at Age 16 Years: Evidence for a Distinct Disorder?</em></td>
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<td></td>
<td>Teresa Lim, MD, MSc</td>
<td>Alexander Kolevzon, MD, Tng A. Wang, PhD</td>
<td>Mount Sinai School of Medicine</td>
<td><em>A Pilot Neuroimaging Study of 22q13 Deletion Syndrome</em></td>
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<td></td>
<td>Sunil Mehta, MD, PhD</td>
<td>S. Lawrence Zipursky, PhD, James McCracken, MD</td>
<td>University of California, Los Angeles</td>
<td><em>The Role of Neurexin IV in Drosophila Neural Development</em></td>
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<tr>
<td></td>
<td>Donna Roybal, MD</td>
<td>Kiki D. Chang, MD</td>
<td>Stanford University</td>
<td><em>The Effects of Social Stress on Brain Activation and Inflammatory Cytokines in Youth with Bipolar Disorder</em></td>
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<td></td>
<td>Amy M. Yule, MD</td>
<td>Timothy E. Wilens, MD</td>
<td>Massachusetts General Hospital</td>
<td><em>The Impact of Exposure to Parental Substance Use Disorders (SUD) on SUD Risk in Growing-up Boys and Girls</em></td>
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</tbody>
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# AACAP PILOT RESEARCH AWARDS FOR GENERAL PSYCHIATRY RESIDENTS
## SUPPORTED BY INDUSTRY SUPPORTERS

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.

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<tr>
<td>2019</td>
<td>Jack Turban III, MD</td>
<td>Timothy E. Wilens, MD, 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</td>
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<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</td>
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<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>
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<td>2016</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>
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<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</td>
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<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</td>
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<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</td>
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<td></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>
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<td></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>
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<td></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></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>
AACAP PILOT RESEARCH AWARD RECIPIENTS: WHERE ARE THEY NOW?

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

Through the Pilot Award, Dr. Joseph was able to launch her career as a physician investigator, and to develop and conduct a research project that ultimately resulted in a first author publication. The results of the pilot study revealed that preschool aged (3-7 years old) offspring of fathers with ADHD had more behavioral dysregulation and a greater number of ADHD symptoms as compared to offspring of fathers without ADHD. Through this experience she realized her desire to pursue formal research training. Since that time, she has completed a NIMH T32 postdoctoral training program, received a Klingenstein Third Generation Foundation Fellowship in ADHD, and the AACAP Junior Investigator Award to support her ongoing research.
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.

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.

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.

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

**Institution:** University of Illinois at Chicago  
**Project Title:** Functional Magnetic Resonance Imaging Using Attentional and Affective Paradigms in Early Onset Psychosis  
**Mentor:** Mani Pavuluri, MD, PhD  
**Current Position:** Faculty at the University of Pittsburgh Medical Center

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 Fellow.

David T.W. Chen, MD, FAPA, 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  
**Current Position:** Dr. Chen is currently working with Francis McMahon, MD, at the Human Genetics Branch of the National Institute of Mental Health Intramural Research Program, National Institutes of Health.

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. His research group in 2018, utilizing exome sequencing combined with linkage analysis, identified, within a large four-generation family, five potential candidate genes for bipolar disorder.

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

**Institution:** University of Nebraska  
**Project Title:** Ritalin LA in the Treatment of Young Children with ADHD  
**Mentor:** Christopher J. Kratochvil, MD  
**Current Position:** Children’s Hospital and Medical Center, Behavioral Health Department, Child and Adolescent Psychiatrist

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

<table>
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<th>Institution: University of Illinois Institute for Juvenile Research</th>
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<tr>
<td>Project Title: Oxytocin: Investigation in Autism</td>
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<tr>
<td>Mentors: Ed Cook, MD, and Sue C. Carter, PhD</td>
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<tr>
<td>Current Position: Associate Professor, University of Minnesota, Department of Psychiatry and Behavioral Sciences, Division of Child Psychiatry</td>
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**2006**

Through the Pilot Award, Dr. Jacob was able to advance her early career. The research focused on measurement of blood biomarkers in neurodevelopment disorders, specifically oxytocin levels. This was related to the preliminary data for her NIH K23 award focused on autism. She is currently funded to do data-driven research in early development that will differentially predict dimensional and categorical diagnostic outcomes related to autism. The pilot award supported her early research studies focused on autism.

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

<table>
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<th>Institution: Vanderbilt University</th>
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<td>Project Title: Mouse Model of the Serotonin System Relevant to Autism</td>
</tr>
<tr>
<td>Mentor: Randy Blakely, PhD</td>
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<tr>
<td>Current Position: Professor and Director of Child and Adolescent Psychiatry, Department of Psychiatry, Columbia University and New York State Psychiatric Institute</td>
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**2007**

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.

Beth A. Smith, MD, Supported by Lilly USA, LLC

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<th>Institution: State University of New York at Buffalo</th>
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<tbody>
<tr>
<td>Project Title: Co-morbidity of Depression and Cystic Fibrosis in Children and Adolescents: Associations with Adherence to Medical Treatment</td>
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<tr>
<td>Mentor: Beatrice L. Wood, PhD</td>
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<tr>
<td>Current Position: Clinical Associate Professor of Psychiatry and Pediatrics; Executive Vice Chair, Department of Psychiatry; Chief, Division of Child and Adolescent Psychiatry; Chief of Service, Psychiatry and Behavioral Medicine, Kaleida Health; Medical Director, The Children’s Psychiatry Clinic, Oishei Children’s Hospital</td>
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</table>

**2006**

Through the Pilot Award, Dr. Smith was able to receive further funding to conduct additional research on the assessment and treatment of depression, adherence, and cystic fibrosis (CF). She coauthored international guidelines on depression and anxiety in CF and is leading dissemination efforts across CF Care Centers. She is the chair and founding member of the CF Foundation’s Mental Health Advisory Committee whose mission is to promote and support the mental well-being of individuals with CF and their families by partnering with CF Care Centers to provide screening, preventative interventions, and ongoing innovative services.
Over 500 journal articles.

Disorders, spanning all disease stages from the prodrome to first and multi-episode illness and up to refractory illness. He has authored or co-authored over 500 journal articles.

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. Correll’s research and clinical work focus on the identification, characterization, and treatment of youth and adults with severe mental illness.

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 15 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. Ivanov was able to obtain training and experience in experimental study design, data analyses, and manuscript preparation that were essential skills to pursue a future career in academic psychiatry as a clinician and researcher. The Pilot Award also presented him with the opportunity to develop collaborations with prominent researchers in the field that persist to the present. The publication that resulted from the Pilot Award has received numerous citations and is currently included in a major meta-analyses project examining the relation between neurochemistry and aggression in youth. His work on the Pilot Award also informed his interests in the developmental aspects of trauma and aggression, which led to other investigations and publications.
Mary Ahn, MD, Supported by AACAP’s Elaine Schlosser Lewis Fund

Institution: McLean Hospital
Project Title: A Pilot Treatment Study of Fluoxetine for Obsessive-Compulsive Disorder in Children and Adolescents with Bipolar Disorder
Mentor: Jean A. Frazier, MD
Current Position: Vice Chair for Academic Affairs and Career Development; Director, Child and Adolescent Psychiatry Training; and Associate Professor of Psychiatry and Pediatrics, University of Massachusetts Medical Center

Through the Pilot Award, Dr. Ahn was able to obtain knowledge and experience in using neuropsychological testing and neuroimaging in ADHD, and associated changes in both volume and function in the prefrontal cortex. The Pilot Award was an invaluable experience in not only the scientific aspects of research, but prepared her for the training, education and mentorship of child psychiatry fellows who are interested in research. In addition, in her role as Director of the Career Development and Research Office (CDRO), the experience allows her to have a greater impact to UMASS faculty. Having the support of AACAP has also greatly led to wanting to contribute and participate in many parts of the Academy.

Stuart L. Lustig, MD, MPH, Supported by Lilly USA, LLC

Institution: Boston Children’s Hospital
Project Title: Clonidine for Intrusive Symptoms of Traumatic Stress: A Randomized, Double Blind, Placebo-Controlled Trial Among Child and Adolescent Psychiatric Inpatients
Mentor: Enrico Mezzacappa, MD
Current Position: National Medical Executive for Behavioral Health, Cigna

Through the Pilot Award, Dr. Lustig was able to gain an understanding of the complexities of conducting research. Currently, Dr. Lustig leads an effort within his company to augment their data analytic activities and publish findings relevant to health care in peer-reviewed journals.

James G. Waxmonsky, MD, Supported by Lilly USA, LLC

Institution: Massachusetts General Hospital
Project Title: An Open Label Clinical Trial of Donepezil in Attention-Deficit/Hyperactivity Disorder Youth with Executive Function Deficits
Mentor: Timothy Wilens, MD
Current Position: Professor of Psychiatry and Division Chief, Child and Adolescent Psychiatry, Penn State College of Medicine; Endowed Chair for Child Psychiatry, Penn State University

Through the Pilot Award, Dr. Waxmonsky was able to examine the impact of donepezil in the treatment of ADHD as a way to optimize treatment response. The project provided him with invaluable experience designing, running, and analyzing a clinical trial as well as the importance of assessing functional impairment in addition to symptom levels in order to optimize treatment impact. Dr. Waxmonsky oversees pediatric behavioral health services for Penn State Health. His research focuses on the integration of behavioral and pharmacological treatments for ADHD as well as the assessment and treatment of irritability in children and adolescents.

Daniel S. Schechter, MD, Supported by Lilly USA, LLC

Institution: Columbia University
Project Title: Maternal Attributions, Mental States, and Interactive Behavior with Very Young Children in the Context of Maternal Violent Trauma History
Mentors: Myron A. Hofer, MD, and Charles Zeanah, MD
Current Position: Director of Perinatal and Early Childhood Ambulatory Care and Research, Lausanne University Hospital; Adjunct Associate Professor of Child & Adolescent Psychiatry, NYU Langone School of Medicine; Senior Lecturer in Psychiatry, University of Geneva Faculty of Medicine

Through the Pilot Award, Dr. Schechter was able to receive invaluable clinical research mentorship in the specific area of infant psychiatry from Charles Zeanah, MD, and colleagues at Tulane that was not available at his home institution. Additionally, he received financial support for research that led to obtaining an NIMH Research Career Award (K23). His program of research since the AACAP Pilot Research Award and subsequent NIMH K23 Award took origin in those studies of how interpersonal violence related to maternal psychopathology affects the mother-toddler relationship and impacts subsequent child development, and how we can better intervene to interrupt intergenerational cycles of violence and trauma.
Through the Pilot Award, Dr. State was able to complete his first research project leading to his first research publication, and inspired him to pursue a PhD in Genetics. The project focused on looking at rare genetic abnormalities that conferred psychiatric phenotypes, which has remained at the core of his career's work. Ultimately, it was the strategy of looking for rare mutations that have large effects on human neurodevelopment that led to success in gene discovery in ASDs and Tourette syndrome. He continues to work on identifying rare and de novo mutations in the genetic code that underly neurodevelopmental disorders as a way to understand and, hopefully, target the pathophysiological processes underlying these syndromes.

Matthew W. State, MD, PhD, Supported by Lilly USA, LLC

Institution: University of California, Los Angeles, Neuropsychiatric Institute and Hospital
Project Title: Hyperphagia and Obsessive-Compulsive Symptoms in Children and Adolescents with Prader-Willi Syndrome: A Pilot Study of the Relationship between Genotype and Behavioral Phenotype
Mentors: Richard Lifton, MD, PhD, and David Ward, PhD
Current Position: Chair, Department of Psychiatry, University of California, San Francisco; President, Langley Porter Psychiatric Hospital and Clinics; Director, Langley Porter Psychiatric Institute

Through the Pilot Award, Dr. State was able to complete his first research project leading to his first research publication, and inspired him to pursue a PhD in Genetics. The project focused on looking at rare genetic abnormalities that conferred psychiatric phenotypes, which has remained at the core of his career's work. Ultimately, it was the strategy of looking for rare mutations that have large effects on human neurodevelopment that led to success in gene discovery in ASDs and Tourette syndrome. He continues to work on identifying rare and de novo mutations in the genetic code that underly neurodevelopmental disorders as a way to understand and, hopefully, target the pathophysiological processes underlying these syndromes.

Claudio O. Toppelberg, MD, Supported by Lilly USA, LLC

Institution: Harvard Medical School/Cambridge Hospital
Project Title: Psychopathological Profile of Non-Proficient Bilingual Children in a Clinical Sample
Mentor: Kerim Munir, MD, MPH
Current Position: Assistant Professor of Psychiatry at Harvard Medical School, Research Scientist at the Judge Baker Children’s Center and Boston Children’s Hospital, as well as Director of the Child Mental Health Forum and Continuing Education at the Judge Baker. He is also the psychiatrist-in-chief of the New England Center for Children.

Through the Pilot Award, Dr. Toppelberg was able to receive the initial research training and collect the pilot data that allowed him to get an NIH Career Development Award to conduct a population-based developmental study focused on language and cognitive development and child mental health. He continues to study the developmental relation between language ability and child and adolescent mental health, in dual language as well as monolingual children. The focus has expanded into research on the impact of national policies fostering language development and mental health in at-risk populations, with support, among others, from the Norwegian Research Council, the National Academy of Sciences, and National Academy of Medicine (formerly Institute of Medicine).

Daniel Geller, MD, Supported by Lilly USA, LLC

Institution: McLean Hospital
Project Title: Developmental Factors in Juvenile Obsessive Compulsive Disorder: Significance of Prepubertal Onset
Mentor: Joseph Biederman, MD
Current Position: Director of Research, Pediatric OCD and Tic Disorder Program, Massachusetts General Hospital

Through the Pilot Award, Dr. Geller was able to receive his first-ever grant. It provided him with momentum and encouragement early in his career.
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
- 18 scholars completed the program between 1998-2014
- 6 current scholars received the award in 2016

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 an Assistant in Psychiatry at Massachusetts General Hospital and an Assistant Professor of Psychiatry 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 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 Chair of the Advisory Committee for the AACAP/NIDA K12 program.

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

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.
"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 day long 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 2018 Research Institute was “exceptionally clear, grounded and linear, easy to follow; and the entire presentation was very memorable.” This was a “well-organized presentation that provided food for thought regarding treating adolescents with SSRIs.” - 2018 Research Institute Attendees
Rasim Somer Diler, MD
Western Psychiatric Institute and Clinic

Kevin M. Gray, MD
Medical University of South Carolina

Meredith Gansner, MD
Digital Phenotyping and Youth Mental Health: Hype Versus Hope

Eric Youngstrom, PhD
What Does Machine Learning Offer to Child Psychiatry?

Paul Weigle, MD
Screen Time: The Mental Health Effects of Social Media and Gaming

David Grodberg, MD
Parent Engagement Using Digital Health Tools

David Mohr, PhD
Rethinking Our Approach to Digital Mental Health Intervention Research

Helen L. Egger, MD
Children’s Digital Mental Health: A Design and Ethical Framework

Trisha Prabhu
Youth Perspective on Technology and Youth: Hacking the Adolescent Brain to Stop Cyberbullying

Rasim Somer Diler, MD
Innovative Translational Approaches and Smart Behavioral Services for Youth

Sponsored by AACAP’s Research Committee
**Assessment of Safety in Child Mental Health Research: Obstacles and Opportunities**
Addressing the need to develop better methods for assessing the safety of psychosocial and psychopharmacological treatments in controlled clinical trials

**Issues in the Conduct and Interpretation of Studies of Adolescent Depression**
Reviewing problems and controversies that have become apparent in conducting and interpreting treatment research in adolescent depression

**Research Literacy: Speeding the Adoption of Evidence-Based Medicine (EBM) in Pediatric Psychiatry**
Demonstrating the readily available and wide applicability of EBM as applied to research, post-graduate and medical education, and clinical practice

**Protective and Risk Factors in Pediatric Bipolar Disorder: Predicting Outcomes**
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

**The Future of Neuroimaging: Relevance for Child Psychiatry**
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

**Longitudinal Research – What Is It Informing Us About Clinical Disorders and Psychopathology?**
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

**Investigating the Effects of Psychotherapy on Children and Adolescents: Learning from the Past—Moving Forward**
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

**Perspectives on Current Pediatric Psychopharmacology Research Needs**
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
<table>
<thead>
<tr>
<th>Year</th>
<th>Topic</th>
<th>Description</th>
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<tbody>
<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>
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<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>
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<tr>
<td>2013</td>
<td>Sensitive Periods in Brain Development: Implications for Child Psychopathology and Therapeutics</td>
<td>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</td>
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<td>2014</td>
<td>The Use of Research Domain Criteria (RDoC) for the Study of Psychopathology</td>
<td>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</td>
</tr>
<tr>
<td>2015</td>
<td>What’s Up in Child Addiction Research: A Focus on Methodology</td>
<td>Providing a higher level of understanding of the methodology of studies of substance use disorder research in pediatric and young adult populations</td>
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<tr>
<td>2016</td>
<td>Epigenetics in Child and Adolescent Psychiatry</td>
<td>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</td>
</tr>
<tr>
<td>2017</td>
<td>This Is Your Brain on Child Psychiatry. Any Questions? A Practical Update on the Impact of Neuroimaging Findings in Child Psychiatry</td>
<td>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</td>
</tr>
<tr>
<td>2018</td>
<td>Treatment Updates in Pediatric Depression and Suicidality</td>
<td>Providing updates on the detection, evaluation, and treatment of depression and suicidality in children and adolescents</td>
</tr>
</tbody>
</table>
Advances in the Genetics of Neurodevelopmental Disorders: Translating Findings to the Clinic
Co-chairs: Ellen J. Hoffman, MD, PhD, and David Cochran, MD, PhD

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.

2019 Presenters
Sponsored by AACAP’s Research Committee

Matthew State, MD, PhD
The Revolution Has Begun: Autism, Genomics, and the Advancing Science of Neurodevelopmental Disorders

Dr. State is the Oberndorf Family Distinguished Professor of Psychiatry, Chair of the Department of Psychiatry, President of the Langley Porter Psychiatric Institute, and member of the Weill Institute for Neurosciences at the University of California, San Francisco. He is a board-certified child and adolescent psychiatrist and human geneticist. Over the past 15 years, his laboratory has played a leading role in elaborating the contribution of rare and de novo mutations to the etiology of autism spectrum and Tourette’s disorders. He has been the recipient of numerous awards, including the AACAP George Tarjan, MD, Award for Contributions in Developmental Disabilities, the Ruane Prize from the Brain and Behavior Research Foundation and the Sarnat International Prize in Mental Health from the US National Academy of Medicine. He was elected to membership in the National Academy of Medicine (NAM) in 2013.

John N. Constantino, MD
Harnessing an Autism Genomic Revolution in the Here and Now: Personalized Medicine, Risk-Based Counseling, and What to Do About Polygenic Risk

Dr. Constantino is the Blanche F. Ittleson Professor of Psychiatry and Pediatrics at Washington University in St. Louis, where he directs the William Greenleaf Eliot Division of Child Psychiatry, co-directs an NICHD Intellectual and Developmental Disabilities Research Center, and serves as Psychiatrist-In-Chief of St. Louis Children’s Hospital. He completed a triple board residency (pediatrics, psychiatry, and child psychiatry) at Bronx Municipal Hospital in New York and the Albert Einstein College of Medicine. His work has focused on understanding genetic and environmental influences on disorders of social development in childhood, and their implications for preventive intervention. He and his scientific team developed and advanced methods for measuring autistic symptoms as quantitative traits, allowing patterns of transmission of inherited susceptibility to be traced in families and large populations. These methods are now in standard use in laboratories around the world, and their findings have helped elucidate the genetic structure of autism spectrum disorders.
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

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

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
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.

2019 Research Colloquium for Early Career Investigators
Co-chairs: Daniel Dickstein, MD, Leslie Hulvershorn, MD, MSc, and Manpreet Singh, MD, MS
October 16, 2019, 10:00 am—5:30 pm
Agenda

I. Welcome and Introductions
II. NIH Priorities, Julia Zehr, PhD (NIH) and Geetha Subramaniam, MD (NIDA)
III. 1:1 Mentor and Mentee Meeting
IV. Working Lunch – Personal K Stories
V. Grant Writing Fundamentals and Grant Review Basics
VI. Feedback Blitz
VII. Topic Round Robin
   a. Scientific challenges
   b. Work-life balance/individual choices
   c. Leadership
   d. Gender/under-represented minority discrimination in science
   e. Mentorship
VIII. Closing

2019 Participants

<table>
<thead>
<tr>
<th>Raman Baweja, MD, Penn State College of Medicine</th>
<th>Chuan-Mei Lee, MD, University of California, San Francisco</th>
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<tbody>
<tr>
<td>Jessica Becker, MD, Massachusetts General Hospital</td>
<td>Amy Meadows, MD, University of Kentucky</td>
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<td>Obianju Berry, MD, Columbia University</td>
<td>Rachel Mitchell, MD, University of Toronto</td>
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<td>Youngsun Cho, MD, PhD, Yale Child Study Center</td>
<td>Aviva Olsavsky, MD, University of Colorado, Denver</td>
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<tr>
<td>Christina Cruz, MD, University of North Carolina at Chapel Hill</td>
<td>Hannah Reed, MD, Columbia University</td>
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<td>Jennifer Dwyer, MD, PhD, Yale University</td>
<td>Alecia Vogel-Hammen, MD, PhD, Washington University</td>
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<tr>
<td>Isha Jalnapurkar, MD, University of Massachusetts</td>
<td>Emily Wood, MD, PhD, University of California, Los Angeles</td>
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<tr>
<td>Heather Joseph, DO, University of Pittsburgh</td>
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