AACAP RESEARCH COMMITTEE

ANNUAL REPORT

2021
AACAP Council
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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
Kate Fitzgerald, MD
Anne L. Glowinski, MD, MPE
Kevin M. Gray, MD
Ellen Hoffman, MD, PhD
Leslie Hulvershorn, MD, MSc
Timothy Wilens, MD
Bonnie T. Zima, MD, MPH

AACAP Staff
Carmen Head Thornton, MPH, Director of Research, Grants, & Workforce
Sarah Hellwege, MEd, Deputy Director of Research, Training, & Education
LETTER FROM THE CO-CHAIRS OF AACAP’S RESEARCH COMMITTEE

Dear Sponsors, Awardees, and Guests:

On behalf of the American Academy of Child and Adolescent Psychiatry (AACAP) and AACAP’s Research Committee, we extend our sincere thanks for your generous support and participation in AACAP’s Research Awards Programs. As the past 18+ months of the COVID-19 global pandemic have shown, more than ever we need greater partnership with providers, parents, researchers, funders, and industry to advance what is known about child and adolescent psychiatric problems—so as to improve access to high quality, evidence-based care for all.

We gratefully acknowledge AACAP’s past and current supporters, Arbor Pharmaceuticals, LLC; Pfizer Inc.; PhRMA; Sunovion Pharmaceuticals, Inc.; and Supernus Pharmaceuticals, Inc. We look forward to continuing our relationships and developing new ones in 2022. You will find in the enclosed report updates on the accomplishments, programs, and activities of the Research Committee.

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

• addressing the critical workforce shortage of national child psychiatry researchers through our training endeavors, Pilot Research Awards, Junior Investigator Awards, and annual Research Colloquium; and

• disseminating evidence-based practices to child and adolescent psychiatrists, allied mental health professionals, and primary care practitioners through our annual Research Institute, Research Symposium, and other educational programs in collaboration with other AACAP committees.

We are eager to do even more. This will be our third year implementing the AACAP Early Research Career Colloquium for promising clinician researchers at AACAP’s Annual Meeting. This exciting endeavor that we recently launched continues to be a popular and successful mechanism to mentor and track the progress of the next generation of child psychiatry clinician scientists. 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, implementation, and dissemination in child and adolescent psychiatry and welcome your thoughts and ideas at the 2021 Research Committee Meeting, and, of course, on an ongoing basis.

Sincerely,

Daniel P. Dickstein, MD
Manpreet K. Singh, MD, MS
Co-chairs, AACAP’s Research Committee
Dear Sponsors, 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; Sunovion Pharmaceuticals, Inc.; and Supernus Pharmaceuticals, Inc. for contributing to AACAP’s Pilot Research Awards in 2020.

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, 230 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 had gone on to secure funding from NIH. Of these recipients, 80% were awarded a K Award and more than 60% had 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 19 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 2021 during AACAP’s 2021 Virtual Annual Meeting.

Sincerely,

David Cochran, MD, PhD
Co-Chair, Pilot Research Award Program

Kate D. Fitzgerald, MD
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 virtually once per month
• Meet face-to-face once per year
• Attend research-related meetings on an as-needed basis
In 2021 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:

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

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

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

## RESEARCH AWARD PORTFOLIO

* DENOTES OVERSIGHT BY RESEARCH COMMITTEE

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

**AACAP Pilot Research Award for Early Career Faculty and Child and Adolescent Psychiatry Fellows, supported by AACAP*; AACAP Pilot Research Award for Attention Disorders and/or Learning Disabilities, supported by AACAP’s Elaine Schlosser Lewis Fund*; and AACAP Pilot Research Award for General Psychiatry Residents, supported by Industry Sponsors***
- 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

### Early Career Faculty

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

<table>
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<th>Supporter</th>
<th>Revenue</th>
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<tr>
<td></td>
<td>2017</td>
<td>2018</td>
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<td>2020</td>
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<tr>
<td>Arbor Pharmaceuticals, LLC</td>
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<td>Individual Contributions</td>
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<td>$1,564</td>
<td>$352</td>
<td>$1,550</td>
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<td>Pfizer Inc.</td>
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<td>Sunovion Pharmaceuticals Inc.</td>
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<td>Supernus Pharmaceuticals, Inc.</td>
<td>$25,000</td>
<td>$10,000</td>
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<td>$73,199</td>
<td>$76,564</td>
<td>$40,352</td>
<td>$56,550</td>
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<th>Expenditures</th>
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<tr>
<td></td>
<td>2017</td>
<td>2018</td>
<td>2019</td>
<td>2020</td>
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<tr>
<td>Research Committee Dinner</td>
<td>$1,626</td>
<td>$2,378</td>
<td>$6,275</td>
<td>$0</td>
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<td>Junior Investigator Award</td>
<td>$44,027</td>
<td>$30,277</td>
<td>$44,910</td>
<td>$43,187</td>
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<td>Research Symposium</td>
<td>$200</td>
<td>$3,300</td>
<td>$5,991</td>
<td>$3,262</td>
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<td>Research Committee</td>
<td>$20,568</td>
<td>$16,091</td>
<td>$25,929</td>
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<tr>
<td>Total</td>
<td>$66,421</td>
<td>$52,046</td>
<td>$83,105</td>
<td>$61,191</td>
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</table>
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 independent researchers. Since 2009, AACAP has awarded 15 Junior Investigator Awards.

AACAP Junior Investigator Award
Currently Supported by:
AACAP and Industry Sponsors

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

Evaluation of Program Success

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

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

**Long-Term**
Development of a research career
Number of additional grants received, presentations, & publications
Survey evaluation of awardees
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% had secured NIH-funded K, T, or R grants. Two recipients had secured more than 1 R grant.

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

Recipients had been engaged in a broad spectrum of research. The most common area of research was 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>
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<tbody>
<tr>
<td>2021</td>
<td>Jessica M. Becker, MD</td>
<td>Kenneth A. Freedberg, MD, MSc</td>
<td>Massachusetts General Hospital</td>
<td>Development of a Novel Mathematical Simulation Model of Pediatric Mental Illness and Applications to Assess Expanded Mental Health Coverage for the General Population and Children with Chronic Medical Illness</td>
</tr>
<tr>
<td>2020</td>
<td>Jennifer B. Dwyer, MD, PhD</td>
<td>Michael Bloch, MD, MS</td>
<td>Yale University</td>
<td>Ketamine for Severe Adolescent Depression: Intermediate-term Safety and Efficacy</td>
</tr>
<tr>
<td>2019</td>
<td>Christina Cruz, MD, MEd</td>
<td>Bradley N. Gaynes, MD, MPH</td>
<td>University of North Carolina</td>
<td>Acceptability of Children Receiving Task-shifted Mental Health Care from Teachers</td>
</tr>
<tr>
<td>2018</td>
<td>Heather M. Joseph, DO</td>
<td>Brooke Molina, PhD</td>
<td>University of Pittsburgh</td>
<td>Early Signals of Inattention in Toddlers at Familial Risk for ADHD</td>
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<tr>
<td>2017</td>
<td>Natalie Ramos, MD, MPH</td>
<td>Jeanne Miranda, PhD</td>
<td>University of California, Los Angeles</td>
<td>Resiliency Education for LGBT Adolescents with Depression and Parent/Caregiver Psychoeducation Group Proposal</td>
</tr>
<tr>
<td>2015</td>
<td>Ernest Pedapati, MD, MS</td>
<td>Donald Gilbert, MD, MS</td>
<td>Cincinnati Children’s Hospital Medical Center</td>
<td>Eye Tracking as a Predictor of Methylphenidate Response in Autism with Comorbid Attention Deficit Hyperactivity Disorder</td>
</tr>
<tr>
<td>2014</td>
<td>Roger Jou, MD, MPH, PhD</td>
<td>Kevin Pelphrey, PhD, &amp; Fred Volkmar, MD</td>
<td>Yale University</td>
<td>Neural Disconnectivity in Autism: Distinguishing Fact from Artifact in Diffusion Imaging</td>
</tr>
<tr>
<td>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>Year</td>
<td>Award Recipient</td>
<td>Mentor(s)</td>
<td>Institution</td>
<td>Project Title</td>
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<tr>
<td>2013</td>
<td>Tamara L. Vanderwal, MD</td>
<td>Linda Mayes, MD, &amp; Francisco X. Castellanos, MD</td>
<td>Yale University School of Medicine Child Study Center</td>
<td>Intrinsic Connectivity Networks in Young Children</td>
</tr>
<tr>
<td>2011</td>
<td>Ryan Herringa, MD, PhD</td>
<td>Ned H. Kalin, MD, &amp; Marilyn J. Essex, PhD</td>
<td>University of Wisconsin</td>
<td>Neural Substrates of Post-Traumatic Stress Disorder (PTSD) in Youth</td>
</tr>
<tr>
<td>2011</td>
<td>Ellen Hoffman, MD</td>
<td>Matthew W. State, MD, PhD, 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 (CNTNAP2), 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>
Natalie Ramos, MD, MPH

Institution: University of California, Los Angeles

Project Title: Resiliency Education for LGBT Adolescents with Depression and Parent/Caregiver Psychoeducation Group Proposal

Project Mentor: Jeanne Miranda, PhD

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

Impact of Junior Investigator Award

Through this award, Dr. Ramos was able to:

- Develop a novel group intervention for LGBTQ youth with depression
- Kick-start development of additional CBT-based interventions for LGBTQ youth and their families
- Gain knowledge and experience to apply for K award

Dr. Ramos’ Honors and Awards

- 2021: American Academy of Child and Adolescent Psychiatry and National Institute on Drug Abuse (NIDA) Physician Scientist Program in Substance Use (K12DA000357)
- 2019-present: American Academy of Child and Adolescent Psychiatry Sexual Orientation & Gender Identity Issues Committee Co-Chair
- 2021: Los Angeles' Top Doctors

Dr. Ramos’ Grant Support

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

Number of Recent Publications: 11
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
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

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

Dr. Herringa’s Grant Support

- **2020-2025**: Co-Investigator (Co-I) on Acute predictors of long-term post-trauma outcomes in youth victims of violence (R01), funded by the NIMH
- **2019-2024**: Co-I on Computational Biases of Learning and Decision-Making in PTSD (R01), funded by the NIMH
- **2020-2022**: Co-I on Dopamine Enhancement of Fear Extinction Learning in PTSD (R33), funded by the NIMH

Dr. Herringa’s Grant Support

- **2019-2024**: Principal Investigator (PI) on Neurobehavioral Mechanisms of Parent-Child Extinction Learning in Adolescent PTSD (R01), funded by the NIMH for $650,000/year
- **2018-2023**: PI on Normative and Atypical Trajectories of Cognitive-Emotional Development in Adolescence (R01), funded by the NIMH for $650,000/year

Number of Recent Publications: 32
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

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

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
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-tetrahydrcannabinol 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
**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’s Honors and Awards**
- **2011**: Resident’s Award for Teaching Excellence, Department of Psychiatry, Indiana University School of Medicine

**Dr. Erickson’s Intellectual Property**

**Number of Recent Publications**: 85

**Dr. Erickson’s Grant Support**
- **2016-2020**: National Center on Birth Defects and Developmental Disabilities Grant
- **2015-2018**: Autism Inpatient Collection Grant, Simons Foundation and Nancy Lurie Marks Foundation
- **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
Impact of Junior Investigator Award

Through this award, Dr. Stewart was able to:

- Observe other clinical research labs through mentorship
- Learn genomic analysis techniques
- Establish a foundation of skills that enabled stepping into her current leadership roles

Dr. Stewart’s Recent Honors and Awards

- **2021**: Awarded BC Children’s Hospital Research Institute Geoffrey L. Hammond Lectureship
- **2020**: Awarded Leading Practice status in the recent review of Child & Adolescent Psychiatry Training Program by the Royal College of Physicians and Surgeons of Canada (for research symposium for trainees)
- **2020**: Outstanding Academic Performance (OAP) status awarded by the Department Head of Psychiatry at the University of British Columbia for the period of January 2019- December 2019
- **2020**: Nominated by Dr. Jehannine Austin to speak at the Canadian Parliamentary Health Research Caucus
- **2020**: Listed in Marquis “Who’s Who in the World”
- **2019**: Top Reviewer for outstanding service as a Journal of Child Psychology and Psychiatry reviewer (awarded in 2020)
- **2019**: First female child and adolescent psychiatrist to reach the rank of full professor at UBC

Dr. Stewart’s Grant Support

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

- **2021-present**: BC Centre for Disease Control funding for $7,500
- **2020-present**: BC Ministry of Health COVID-19 Research Priorities Grant for $10,000
- **2016–2021**: Catalyst & Seed Grants totaling $130,000
- **2014-2019**: CIHR Operating Grant, funded by the Canadian Institutes of Health Research for $526,454
- **2012-2021**: Private Donor funding totaling $460,000
- **2012-2013**: 2014-2015: PHSA Funded Grants totaling $100,000

Number of Recent Publications: 116
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
**AACAP PILOT RESEARCH AWARD: HOW IT WORKS**

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

**History:**
- The first Pilot Award was awarded in 1993.
- Since 1993, AACAP has awarded **230** Pilot Awards.

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**AACAP Pilot Research Awards for Attention Disorders and Learning Disabilities**
*Supported by: AACAP’s Elaine Schlosser Lewis Fund*

- Encourages a future career in child and adolescent psychiatry research
- Provides up to $15,000 of funding for child and adolescent psychiatry fellows and junior faculty who have an interest in beginning a career in child and adolescent mental health research, with topics related to attention disorders and/or learning disabilities
- Supports young investigators at a critical stage in their careers

---

**AACAP Pilot Research Awards for Early Career Faculty and Child and Adolescent Psychiatry Fellows, Supported by: AACAP’s General Operating Funds**

- Encourages a future career in child and adolescent psychiatry research
- Provides up to $15,000 of funding for child and adolescent psychiatry fellows and junior faculty who have an interest in beginning a career in child and adolescent mental health research
- Supports young investigators at a critical stage in their careers

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**AACAP Pilot Research Awards for General Psychiatry Residents**
*Supported by: Industry Sponsors*

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

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% had secured NIH-funded K, T, or R grants, for a total of 133 federal grants. Of those who had obtained funding, 40% had secured multiple NIH-funded K, T, or R grants.

82% of recipients reported that their Pilot Award was Highly Valuable or Valuable in establishing their research career.
### AACAP PILOT RESEARCH AWARDS FOR ATTENTION DISORDERS AND/OR LEARNING DISABILITIES, SUPPORTED BY AACAP’S ELAINE SCHLOSSER LEWIS FUND

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>2021</td>
<td>Ritvij M. Satodiya, MD</td>
<td>Akhgar Ghassabian, MD, PhD Francisco X Castellanos, MD</td>
<td>New York University</td>
<td>Exposure to Exogenous Cannabinoids in Prenatal Periods and Early Childhood: Importance of Identifying Critical Windows for Brain Influences</td>
</tr>
<tr>
<td></td>
<td>Robyn P. Thom, MD</td>
<td>Christopher J. McDougle, MD</td>
<td>Massachusetts General Hospital</td>
<td>Effect of Childhood Attention-Deficit/Hyperactivity Disorder on Substance Use Disorder Risk in Adolescents with Autism Spectrum Disorder</td>
</tr>
<tr>
<td>2020</td>
<td>Alison M. Duncan, MD</td>
<td>Andrea Spencer, MD</td>
<td>Boston University School of Medicine, Boston Medical Center</td>
<td>Needs Assessment and Intervention: Communication Challenges for Parents of Adolescents with ADHD</td>
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<td></td>
<td>Rana Elmaghraby, MD</td>
<td>William V Bobo, MD, MPH Matej Markota, MD</td>
<td>Mayo Clinic</td>
<td>Psychostimulants and the Risk of New-Onset Psychosis in a Geographically-Defined Cohort of Youth with ADHD</td>
</tr>
<tr>
<td>2019</td>
<td>Anjali Varigonda, MD</td>
<td>Mary O’Connor, PhD, ABPP Jennifer Levitt, MD</td>
<td>University of California, Los Angeles</td>
<td>Impact of an Aerobic Exercise Intervention in Improving Executive Function in Children with Fetal Alcohol Spectrum Disorder</td>
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<tr>
<td></td>
<td>Alecia Vogel-Hammen, MD</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>
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<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>
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<td>Year</td>
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<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>
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<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>
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<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>
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<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>
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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>
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<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>
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<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>
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<tr>
<td>Year</td>
<td>Authors</td>
<td>Affiliation</td>
<td>Project Title</td>
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<tr>
<td>2014</td>
<td>Argelinda Baroni, MD; F. Xavier Castellanos, MD</td>
<td>New York University</td>
<td>Arousal and Cognitive Variability in ADHD: A Pilot Pupillometry Study</td>
<td></td>
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<td></td>
<td>Venkat Bhat, MD; Sarojini Sengupta, PhD</td>
<td>McGill University</td>
<td>Epigenetic Modifications Induced By Maternal Smoking During Pregnancy In Children With ADHD</td>
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<tr>
<td>2013</td>
<td>Mai Uchida, MD; Joseph Biederman, MD</td>
<td>Massachusetts General Hospital</td>
<td>Using Health IT to Improve Medication Adherence in Children with ADHD</td>
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<tr>
<td></td>
<td>Jadon Webb, MD, PhD; 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>
<td></td>
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<tr>
<td>2012</td>
<td>Jeffrey Strawn, MD; Melissa DelBello, MD, MS</td>
<td>University of Cincinnati</td>
<td>The Neurophysiologic Impact of Anxiety on Attentional Processing in Adolescents with ADHD</td>
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<td></td>
<td>Chad Sylvester, MD, PhD; Joan L. Luby, MD</td>
<td>Washington University</td>
<td>Stimulus-Driven Orienting and the Ventral Attention Network in Children with Anxiety Disorders Versus ADHD</td>
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</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](https://www.aacap.org), 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>2021</td>
<td>Ankit Chalia, MD</td>
<td>Christopher Hammond, MD, PhD</td>
<td>Children's National Hospital</td>
<td>Examine The Impact Of Cannabis Use Disorders On Risk Of Inpatient Psychiatric Hospitalization And 90-day Rehospitalization Related To Suicidal Thoughts And Behaviors Among U.S. Adolescent And Young Adults With Mood Disorders</td>
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<td></td>
<td></td>
<td>Cynthia Fontanella, PhD</td>
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<td></td>
<td>Alissa D. Hemke, MD</td>
<td>Brent R. Collett, PhD</td>
<td>University of Washington</td>
<td>Extending Evidence-Based Treatments in Rural Communities</td>
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<td>Cindy Ola, PhD</td>
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<td></td>
<td>Amandeep Jutla, MD</td>
<td>Jeremy Veenstra-VanderWeele, MD</td>
<td>Columbia University</td>
<td>Harnessing Insights From a Rare Genetic Variant to Understand Psychosis in Autism</td>
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<td></td>
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<td>Wendy K. Chung, MD</td>
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<td>Jelena G. MacLeod, MD, MD, MHS</td>
<td>Andrea G. Asnes, MD, MSW</td>
<td>Yale School of Medicine</td>
<td>Harnessing Electronic Medical Record Data to Examine the Association Between Adverse Childhood Experiences, Medical Morbidity, and Healthcare Utilization</td>
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<td>Pamela E. Hoffman, MD</td>
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<td>Sara VanBronkhorst, MD, MPH</td>
<td>Cristiane Duarte, PhD, MPH</td>
<td>Research Foundation for Mental Hygiene</td>
<td>Mother-Child Interactions and Oxytocin: A Pilot Study of Mothers, their Toddlers and Intergenerational Transmission of Childhood Adversities</td>
</tr>
<tr>
<td></td>
<td>Shinn-yi Chou, MD</td>
<td>Robert Sweet, MD</td>
<td>University of Pittsburgh Medical Center</td>
<td>Cell-type Specific Alterations in Type 1 Cannabinoid Receptors in Patients With Schizophrenia</td>
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<td></td>
<td>Jacqueline Clauss, MD, PhD</td>
<td>Daphne Holt, MD, PhD</td>
<td>Massachusetts General Hospital</td>
<td>A Randomized Controlled Trial of a Community-Based Adolescent Resilience Training Program</td>
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<td></td>
<td>Gaby J. Ritfeld, MD, PhD</td>
<td>Claire D. Coles, PhD</td>
<td>Emory University School of Medicine</td>
<td>Neurobehavioral and Physical Health Outcomes in Offspring of Individuals with Fetal Alcohol Spectrum Disorders</td>
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<tr>
<td>2020</td>
<td>Kunmi Sobowale, MD</td>
<td>Nelson Freimer, MD</td>
<td>University of California Los Angeles Semel Institute</td>
<td>Examining Effects of Perinatal Depressive Symptoms on Maternal-child Interaction Using Audio Recording</td>
</tr>
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<td></td>
<td>Emily A. Troyer, M.D</td>
<td>Suzi Hong, Ph.D, David R. Rosenberg, MD</td>
<td>University of California, San Diego</td>
<td>Immunoglobulin Profiles in Pediatric Obsessive Compulsive Disorder</td>
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<td></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 Measures in ASD and ADHD</td>
</tr>
<tr>
<td>2019</td>
<td>Petya Radoeva, MD</td>
<td>Daniel Dickstein, MD</td>
<td>Bradley Hospital</td>
<td>Neural Correlates of Depressive Symptoms in Adolescents with Autism Spectrum Disorder (ASD)</td>
</tr>
<tr>
<td></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>
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<tr>
<td>2018</td>
<td>Obianuju Obi Berry, MD, MPH</td>
<td>Catherine Monk, PhD</td>
<td>Columbia University</td>
<td>Treatment of Parents of Intimate Partner Violence and Impact on Child Psychopathology</td>
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<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>
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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>
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<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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<td>Christina Cruz, MD, EdM</td>
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<td>Manivel Rengasamy, MD</td>
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<td>Western Psychiatric Institute and Clinic</td>
<td>The Interaction of Psychotherapy and Inflammatory Plasma Cytokines in Depressed Adolescents</td>
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<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>2016</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>
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<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>
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<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>
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</thead>
<tbody>
<tr>
<td>2015</td>
<td>Mirjana Domakonda, MD</td>
<td>Rachel Marsh, PhD</td>
<td>NYP Hospital of Columbia and Cornell Universities</td>
<td>Attentional Bias to Food Cues and Frontostriatal Circuit Function in Adolescents with Bulimia Nervosa</td>
</tr>
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<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>
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<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>
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<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>
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<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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<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>
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<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>
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<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>
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<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>
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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>
<td>2013</td>
<td>Michael Birnbaum, MD</td>
<td>Christoph Correll, MD</td>
<td>North Shore LIJ Zucker Hillside Hospital</td>
<td>Exploring Barriers to Care in Early Psychosis</td>
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<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>
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<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>
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<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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<tr>
<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>Imaging Nicotinic Acetylcholine Receptors in the Psychosis Prodrome</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>Differential Effects of Risperidone and Aripiprazole on Prolactin-Mediated Alterations in Sex Hormones, Sexual Functioning and Bone Turnover in Antipsychotic-Naïve Adolescents</td>
</tr>
<tr>
<td></td>
<td>Aaron Krasner, MD</td>
<td>Agnes Whitaker, MD</td>
<td>Columbia University</td>
<td>Revisiting Attention Deficit Disorder (ADD) in a Preterm Low Birthweight Cohort at Age 16 Years: Evidence for a Distinct Disorder?</td>
</tr>
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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>A Pilot Neuroimaging Study of 22q13 Deletion Syndrome</td>
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<tr>
<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>The Role of Neurexin IV in Drosophila Neural Development</td>
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<tr>
<td></td>
<td>Donna Roybal, MD</td>
<td>Kiki D. Chang, MD</td>
<td>Stanford University</td>
<td>The Effects of Social Stress on Brain Activation and Inflammatory Cytokines in Youth with Bipolar Disorder</td>
</tr>
<tr>
<td></td>
<td>Amy M. Yule, MD</td>
<td>Timothy E. Wilens, MD</td>
<td>Massachusetts General Hospital</td>
<td>The Impact of Exposure to Parental Substance Use Disorders (SUD) on SUD Risk in Growing-up Boys and Girls</td>
</tr>
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</table>
The AACAP Pilot Research Awards for General Psychiatry Residents, supported by Arbor Pharmaceuticals, LLC, Pfizer Inc., PhRMA, Sunovion Pharmaceuticals, Inc., and/or Supernus Pharmaceuticals, Inc., offer up to $15,000 in research funding support to child and adolescent psychiatry residents and junior faculty who have an interest in starting a research career.

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<tr>
<td>2021</td>
<td>German E. Velez, MD</td>
<td>Michelle Durham, MD, MPH</td>
<td>Boston University School of Medicine</td>
<td>Cultural Factors That Positively Influence Resilience in Undocumented Youth</td>
</tr>
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<td>2020</td>
<td>Alexandra L. Bey, MD, PhD</td>
<td>Kafui Dzirasa, MD, PhD</td>
<td>Duke University Health System</td>
<td>Identifying Convergent Networks Underlying Sleep Disruption In Autism Spectrum Disorder Mouse Models</td>
</tr>
<tr>
<td>2019</td>
<td>Jack Turban III, MD</td>
<td>Timothy E. Wilens, MD</td>
<td>Massachusetts General Hospital</td>
<td>Childhood and Adolescent Experiences with Gender-related Medical Care and Adult Mental Health Outcomes: Analysis of the 2015 U.S. Transgender Survey</td>
</tr>
<tr>
<td>2018</td>
<td>Emily Olfson, MD, PhD</td>
<td>Thomas V. Fernandez, MD</td>
<td>Yale University</td>
<td>Pilot study investigating the role of de novo genetic variants in trichotillomania</td>
</tr>
<tr>
<td>2017</td>
<td>Yael Kufert, MD</td>
<td>Vilma Gabbay, MD, MS</td>
<td>Icahn School of Medicine at Mount Sinai</td>
<td>Gamma-Aminobutyric Acid as a Biomarker in Adolescent Depression: A Longitudinal Study</td>
</tr>
<tr>
<td>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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<td>2016</td>
<td>Hannah Reed, MD</td>
<td>William Fifer, PhD</td>
<td>Columbia University</td>
<td>Autonomic Regulation as a Biomarker of Perinatal Frontolimbic Connectivity and Later Social and Emotional Development</td>
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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 Service Utilization</td>
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# AACAP PILOT RESEARCH AWARDS FOR GENERAL PSYCHIATRY RESIDENTS
SUPPORTED BY INDUSTRY SPONSORS

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<tr>
<td>2015</td>
<td>Jennifer Dwyer, MD, PhD</td>
<td>Michael H. Bloch, MD, MS</td>
<td>Yale University</td>
<td>Efficacy of Rapid-Acting NMDA Antagonist for Treatment of Adolescent Depression</td>
</tr>
<tr>
<td></td>
<td>Kathryn Ridout, MD, PhD</td>
<td>Audrey R. Tyrka, MD PhD</td>
<td>Brown University</td>
<td>The Effects of Childhood Adversity on Cellular Mechanisms of Stress Response and Risk for Psychiatric Disorders</td>
</tr>
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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>
</tr>
<tr>
<td>2014</td>
<td>Jorge Almeida, MD PhD</td>
<td>Daniel Dickstein, MD</td>
<td>Brown University</td>
<td>Dysfunctional Emotion Processing Brain Circuitry as a Potential Endophenotype in a High-plus Risk Group For Bipolar Disorder</td>
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<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>
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<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>
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Through the Pilot Award, Dr. Berry was able to gain a tremendous amount in building her career towards becoming an independent physician scientist. She learned how to critically think about the science, identify gaps, and implement her team to find the answers to her hypotheses. Due to COVID-19, she learned to adapt to challenges of the unexpected and pivot to find alternative avenues for success. The pilot award made it possible for her to link science and research with policy and clinical pursuits. As Medical Director of the Family Justice Center Mental Health Collaboration, she is currently working on integrating research into clinical practice to investigate how maternal trauma history impacts parental capacity and childhood development, and specifically how mental health interventions directed at the mother’s trauma history can ameliorate adverse childhood development.

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

Institution: Yale University
Project Title: Pilot Study Investigating the Role of de novo Genetic Variants in Trichotillomania
Mentor: Thomas V. Fernandez, MD
Current Position: Clinical Fellow at the Yale School of Medicine, Child Study Center

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

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

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

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

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

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

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

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

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

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

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

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

Manivel Rengasamy, MD, Supported by AACAP

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

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

Amalia Londoño Tobón, MD, Supported by AACAP

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

Through the Pilot Award, Dr. Londoño Tobón was able to investigate the long term effects of Minding the Baby, an attachment-based home-visiting intervention for low-income, underserved, perinatal young women and their infants. She continues to work on psychosocial intervention development and dissemination for families during the perinatal period, particularly for underserved families.
Jerome H. Taylor, MD, Supported by AACAP

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

### 2016

Through the Pilot Award, Dr. Taylor was able to analyze NIMH data from the Treatment of Early Onset Schizophrenia Spectrum Disorders Study (TEOSS) and publish two first-author manuscripts using the data. These publications were key to helping him secure his faculty position at CHOP-UPenn and a NIH National Center for Advancing Translational Sciences K2L Award from UPenn. In his current position, he spends 20% of his time treating children with psychosis spectrum symptoms and 80% of his time conducting research aimed at understanding the biological mechanisms of psychosis symptom progression.

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

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

### 2016

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.

### 2016

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

### 2015

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

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

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

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

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

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

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

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

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

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

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

Through the Pilot Award, Dr. Georgiopoulos was able to demonstrate the feasibility of routine psychiatric screening in CF clinic, revealing an elevated prevalence of ADHD symptoms, which were associated with reduced quality of life. She has played a leadership role to develop and implement international mental health guidelines for the CF Foundation and European CF Society, resulting in newly funded mental health coordinator positions integrated into 138 CF centers in the US. She is the 2018 recipient of the CF Foundation’s Carolyn and C. Richard Mattingly Leadership in Mental Health Care Award.
### Donna Roybal, MD, Supported by Lilly USA, LLC

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

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

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

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

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

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

**Institution:** Stanford University/Palo Alto Veterans Affairs Mental Illness Research Education and Clinical Center  
**Project Title:** Effects of Experiences of Perpetrators of Violence on Parenting and their Children’s Mental Health  
**Mentors:** Ruth O’Hara, PhD, and Carl Feinstein, MD  
**Current Position:** Associate Professor at UT Health San Antonio, Department of Psychiatry, Division of Child and Adolescent Psychiatry

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 Fellowship.

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:** Faculty at the University of Pittsburgh Medical Center

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

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

**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

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

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

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

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

**Suma Jacob, MD, PhD, Supported by Lilly USA, LLC**

Institution: University of Illinois Institute for Juvenile Research  
**Project Title:** Oxytocin: Investigation in Autism  
**Mentors:** Ed Cook, MD, and Sue C. Carter, PhD  
**Current Position:** Professor, University of Minnesota, Department of Psychiatry and Behavioral Sciences, Division of Child Psychiatry; Associate Director of the Medical Scientist Training Program

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.

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

Institution: State University of New York at Buffalo  
**Project Title:** Co-morbidity of Depression and Cystic Fibrosis in Children and Adolescents: Associations with Adherence to Medical Treatment  
**Mentor:** Beatrice L. Wood, PhD  
**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

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.

**Gagan Joshi, MD, Supported by Lilly USA, LLC**

Institution: Massachusetts General Hospital  
**Project Title:** A Pilot Treatment Study of Fluoxetine for Obsessive-Compulsive Disorder in Children and Adolescents with Bipolar Disorder  
**Mentor:** Daniel A. Geller, MD  
**Current Position:** Associate Professor of Psychiatry at Harvard Medical School, Director of the Autism Spectrum Disorder Program in Pediatric Psychopharmacology at MGH, and the Medical Director of the Alan & Lorraine Bressler Program for Autism Spectrum Disorders; Associate Program Director of MGH Fellowship in ASDs

Through the Pilot Award, Dr. Joshi was able to obtain critical support in establishing a clinical and research career in the field of autism spectrum disorders (ASD) and associated psychopathology. His research focuses on the clinical and neural characterization and pharmaco-imaging studies in intellectually capable populations with ASD and co-occurring psychopathology. His current neuro-imaging and treatment intervention projects are aimed at examining the glutamate dysregulation and potential role of glutamate-modulating agents for the management of social deficits in ASD.
Christoph Correll, MD, Supported by Lilly USA, LLC

Institution: The Zucker Hillside Hospital
Project Title: Olanzapine and Risperidone-Induced Alterations of Central Appetite Regulations in Antipsychotic-Naïve Youth with Non-Affective Psychosis
Mentor: Sanjiv Kumra, MD
Current Position: Professor of Psychiatry at The Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, NY, as well as Professor and Chair of the Department of Child and Adolescent Psychiatry, Psychosomatic Medicine and Psychotherapy, Charité Universitätsmedizin, Berlin, Germany.

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, including psychotic and mood disorders, spanning all disease stages from the prodrome to first and multi-episode illness and up to refractory illness. He further focuses on clinical trials, epidemiology, comparative effectiveness and the interface between mental health and physical health. He is an author of over 700 journal articles.

Mary Margaret Gleason, MD, Supported by Lilly USA, LLC

Institution: Tulane University
Project Title: Primary Care Screening for Mental Health in Early Childhood
Mentor: Charles H. Zeanah, Jr., MD
Current Position: Division Director of Child Psychiatry, Eastern Virginia Medical School, Vice Chief of Mental Health, Children’s Hospital of the King’s Daughters

Through the Pilot Award, Dr. Gleason was able to develop an early childhood mental health screen, which provided her an introduction to addressing a clinical problem with a rigorous research approach. The project resulted in a primary care screen that she continues to study and which is now included on the American Academy of Pediatrics’ website for primary care screening tools. Dr. Gleason continues to focus on developing feasible, effective strategies to support pediatric primary care clinicians to promote early childhood mental health, identify young children’s mental health concerns, and provide first line interventions. The bulk of the work now focuses on developing a model of consultation and the Early Childhood Screening Assessment is a cornerstone of consultation.

Alexander Kolevzon, MD, Supported by Lilly USA, LLC

Institution: Mount Sinai School of Medicine
Project Title: The Relationship Between Obsessive-Compulsive Behaviors and Whole Blood Serotonin in Autism: Searching for Evidence of Autism Endophenotypes
Mentor: Jeremy Silverman, MD
Current Position: Director of the Division of Child and Adolescent Psychiatry at Mount Sinai Health System and Clinical Director at Seaver Autism Center for Research and Treatment, Icahn School of Medicine at Mount Sinai.

Through the Pilot Award, Dr. Kolevzon was able to receive critical mentorship and explore a research question that fascinated him and ultimately gave him the confidence to pursue a research career. “I am not overstating it to say that without the AACAP Pilot Research Award and the opportunities it provided, I would likely not be in academic psychiatry today. Since that time 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.”

Iliyan Ivanov, MD, PhD, Supported by Lilly USA, LLC

Institution: Mount Sinai School of Medicine
Project Title: Physiologic Response to Violent/Non-Violent Films in Children with History of Aggression and Trauma
Mentor: Jeffrey H. Newcorn, MD
Current Position: Associate Professor of Psychiatry at the Icahn School of Medicine at Mount Sinai; Medical Director of the Comprehensive Adolescent Rehabilitation and Education Services (CARES) and the Family and Teen Recovery Services (FuTuReS) at Mount Sinai St Luke’s.

Through the Pilot Award, 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 Provost for Faculty Affairs, UMass Medical School; Professor of Psychiatry and Pediatrics  

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. Now in her role as Vice Provost for Faculty Affairs, Dr. Ahn oversees all aspects of faculty administration, and her background in research has been an invaluable experience to counsel faculty as well as advise in the process of academic affairs. Furthermore, having the support of AACAP has also greatly led to wanting to contribute and participate in many parts of the Academy. She is currently serving as AACAP Councilor-at-Large.

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, Senior Attending Psychiatrist, University Service of Child and Adolescent Psychiatry, Lausanne University Hospital (CHUV). Associate Professor of Psychiatry (in Child and Adolescent Psychiatry), Lausanne University Faculty of Biology and Medicine. Adjunct Associate Professor of Child & Adolescent Psychiatry, NYU Grossman 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 how it impacts subsequent child development, and how we can better intervene to interrupt intergenerational cycles of violence and trauma. All of this foundation in clinical and developmental neuroscience research has importantly served in the development of a career as independent researcher and tenured professor in child and adolescent psychiatry.
Kiki Chang, MD, Supported by Lilly USA, LLC

**Institution:** Stanford University  
**Project Title:** fMRI Study of Attention-Deficit/Hyperactivity Disorder with and without Bipolar Disorder  
**Mentor:**  
**Current Position:** Child, Adolescent, and Adult Psychiatrist; Former Professor of Psychiatry, Director of Pediatric Bipolar Disorders Program at Stanford School of Medicine; Co-Founder Stanford PANS Clinic

Through the Pilot Award, Dr. Chang was able to receive much appreciated further support and funding for his research.

John D. McLennan, MD, MPH, PhD, Supported by Lilly USA, LLC

**Institution:** University of North Carolina at Chapel Hill  
**Project Title:** Impact of Maternal Psychosocial Characteristics on Participation in an Early Intervention Program  
**Mentor:**  
**Current Position:** Clinician Investigator and Clinical Associate Professor, Departments of Psychiatry and Community Health Sciences, Cumming School of Medicine, University of Calgary

Through the Pilot Award, Dr. McLennan was able to examine patterns of use of a parenting program aimed at vulnerable children in the Dominican Republic. He continued work in the Dominican Republic including evaluating outcomes of service programs (e.g., treatment of anemia) and examining patterns of early infant feeding. He is now studying child discipline patterns in low- and middle-income countries.

Michael J. Feldman, MD, Supported by Lilly USA, LLC

**Institution:** New York State Psychiatric Institute, Columbia University  
**Project Title:** Sexual Orientation and Risk for Adolescent Suicide  
**Mentor:** Hector Bird, MD  
**Current Position:** Assistant Professor of Clinical Psychiatry at Columbia University and New York State Psychiatric Institute. He is faculty at Columbia University, Center for Psychoanalytic Training and Research, and he was Founding Director of the Child and Adolescent Psychodynamic Psychotherapy Program (CAPP).

Through the Pilot Award, Dr. Feldman was able to demonstrate an association between progressive sexual attitudes and elevated risk for psychiatric morbidity including suicidal behavior in high school age adolescents. He has played a leadership role within the American Psychoanalytic Association where he is a member of the Committee on Gender and Sexuality, making numerous presentations about clinical work with sexual and gender minority youth and institutional bias, and co-authoring the Association’s position statement opposing attempts to change sexual and gender identity. He is a frequent presenter at the local, national and international level and writes about gender and sexuality, attachment trauma and resilience.

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 and Behavioral Sciences, 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. His lab has also been a leader in using systems biological approaches in the search for convergent mechanisms underlying ASD mutations, identifying human mid-fetal deep-layer cortical excitatory neurons, and cortical neurogenesis as key points of vulnerability.
Victor G. Carrion, MD, Supported by Lilly USA, LLC

**Institution:** Stanford University Medical Center  
**Project Title:** Child Abuse and Dissociation  
**Mentor:** Joseph Biederman, MD  
**Current Position:** John A. Turner, MD, Chair of Child and Adolescent Psychiatry; Professor and Vice-Chair of the Department of Psychiatry and Behavioral Sciences; and Director of the Early Life Stress and Resilience Program at Stanford University

**1996**

Through the Pilot Award, Dr. Carrion was able to build his first database on pediatric traumatic stress. It provided resources for conducting a community-based assessment, and acquisition, management and analysis of data. Manuscript preparation and publication helped launched his academic career. Since joining the faculty at Stanford 25 years ago, his research has concentrated in understanding how early life stress, such as traumatic experiences, alter behavior and emotion and the role of brain structure and function in these findings. He has also developed new treatment modalities that are focused and targeted. His team’s work on the biological underpinnings of developmental trauma and their treatment has been supported by AACAP, the American Foundation for Suicide Prevention, and the NIH, among others. They utilize their work to advocate for the wellbeing of youth everywhere.

Jeff Bostic, MD, EdD, Supported by Lilly USA, LLC

**Institution:** Massachusetts General Hospital/McLean Hospital  
**Project Title:** Efficacy and Tolerability of Pemoline in Adolescents with ADHD  
**Mentor:** Joseph Biederman, MD  
**Current Position:** Professor of Clinical Psychiatry at MedStar Georgetown University Hospital

**1995**

Through the Pilot Award, Dr. Bostic was able to work on a specific project with incredible national leaders in child psychiatry. With broad mentorship at different institutions, with sometimes different approaches, the thoughts, planning, review of it all was a cohesive process, illuminative of the noteworthy positive community of child psychiatry. He was ultimately able to work a project through to completion and publish results in the *Journal of Child and Adolescent Psychopharmacology*. The experience of working with passionate others, both at his home institution, and beyond—all aligned in efforts to improve the care of children, with that the priority and the model, that was the lasting benefit afforded by the Eli Lilly Award.

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

**Institution:** Harvard Medical School/Cambridge Hospital  
**Project Title:** Psychopathological Profile of Non-Profitic 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.

**1995**

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

**1994**

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. He has since gone on to receive a K08 and several R01 NIMH awards and lead a productive research 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

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**Aviva Olsavsky, MD**

**Institution:** University of Colorado Denver/Children’s Hospital Colorado  
**Project Title:** Project SIMBA: Stress in Moms and Babies  
**Mentor:** Pilyoung Kim, PhD

**Pilot Award Supported by AACAP**

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

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

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

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

Through the Pilot Award, Dr. Yule was able to gain practical experience in working with a research assistant, working with a biostatistician on a complicated secondary analysis, and managing a budget. The award also helped build her confidence to pursue a research career and laid the groundwork to pursue future research awards such as a two-year institutional award and a subsequent career development award through AACAP/NIDA. She continues to be funded by NIDA and is a mPI on a Helping End Addiction Long Term Initiative Prevention grant.
2009 Pilot Awardee and 2010 K12 Scholar

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.

2004 Pilot Awardee and 2005 K12 Scholar

Kevin Gray, MD

**Institution:** Medical University of South Carolina

**Project Title:** Cue Reactivity and Medication Treatment in Adolescents with Marijuana Use Disorders

**Mentor:** Himanshu Upadhyaya, MD

**Pilot Award Supported by Lilly USA, LLC**

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

Through the Pilot Award, Dr. Gray was able to build the foundation for a career development award through AACAP/NIDA. His research continues to focus on understanding and treating substance use disorders in adolescence and young adulthood. He has maintained continuous independent NIH funding, building a research team that has made significant discoveries. He mentors multiple junior faculty and postdoctoral fellows and serves as Principal Investigator for the AACAP/NIDA K12 program.
RESEARCH INSTITUTE OVERVIEW
(FORMERLY KNOWN AS THE RESEARCH FORUM)

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

- 2020 Research Institute Attendees
Research Institute: Heeding the Data: The Impact of Racism on the Lives and Mental Health of Children
Thursday, October 28, 2021
4:00 pm—6:00 pm
Sponsored by AACAP’s Research Committee

Co-chairs

Cheryl S. Al-Mateen, MD
Virginia Commonwealth University

Lisa M. Cullins, MD
National Institutes of Health

Anne L. Glowinski, MD,
MPE
University of California, San Francisco

Leslie Hulvershorn, MD,
MSc
Indiana University

Speakers & Presentation Titles

Eleanor Seaton, PhD, Arizona State University
Black American Youth’s Lived Experiences With Racism

Tiffany Yip, PhD, Fordham University
Ethnic/Racial Identity and Discrimination: Implications for Adolescent and Young Adult Development

John N. Constantino, MD, Washington University in St. Louis
Specifying Opportunity to Resolve Race-Based Mental Health Inequity in Early Childhood

Eraka Bath, MD, UCLA Jane & Terry Semel Institute for Neuroscience & Human Behavior
Systemic Racism and Mental Health Disparities: Call to Action for Child and Adolescent Researchers, Practitioners and Policymakers

Vidya Kumar Ramanathan, MD, MPH, FAAP, University of Michigan Asylum Collaborative
Human Rights and Children’s Mental Health: A Multilink Bond

Live Session Discussants

Lisa R. Fortuna, MD, MPH
University of California, San Francisco

Wanjiku Njoroge, MD
Children’s Hospital of Philadelphia
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, postgraduate 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

Advancing Biomarker Sciences in Pediatric Psychiatry
Introducing participants to biomarker sciences as applied to the development of diagnostic, prognostic, and treatment biomarkers in pediatric psychiatry

Preventing Psychopathology in Childhood and Adolescence
Introducing participants to principles of universal and targeted prevention in medicine, mechanisms involved in mental illness risk and resilience, and novel clinical applications of psychiatric prevention efforts in youth at familial and clinical high risk for exemplary major psychiatric disorders with pediatric onset
RESEARCH INSTITUTE FOCUS: 2013-2020

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
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<tr>
<td>2013</td>
<td>Sensitive Periods in Brain Development: Implications for Child Psychopathology and Therapeutics&lt;br&gt;Introducing participants to the most current empirical studies that inform whether there may be sensitive periods in human emotional development&lt;br&gt;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&lt;br&gt;Holding an interactive discussion on the unveiling of RDoC as part of the National Institute of Mental Health’s strategic plan&lt;br&gt;Enhancing the understanding of RDoC for child and adolescent psychiatry and outlining initial steps for the best approach by which RDoC and <em>DSM-5</em> can be effectively utilized</td>
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<td>2015</td>
<td>What’s Up in Child Addiction Research: A Focus on Methodology&lt;br&gt;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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<td>2016</td>
<td>Epigenetics in Child and Adolescent Psychiatry&lt;br&gt;Providing an overview of epigenetic mechanisms and a discussion of the integration of epigenetics into child and adolescent psychiatry research&lt;br&gt;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>
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<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&lt;br&gt;Providing updates on the current state of neuroimaging research from a practical, clinician-focused standpoint and discussing future challenges and opportunities for clinically relevant imaging research</td>
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<td>2018</td>
<td>Treatment Updates in Pediatric Depression and Suicidality&lt;br&gt;Providing updates on the detection, evaluation, and treatment of depression and suicidality in children and adolescents</td>
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<td>2019</td>
<td>Techno-Psychiatry: Child Psychiatry in the Digital Age&lt;br&gt;Highlighting the strengths, challenges, and promises of technological advancements in child and adolescent psychiatry research and clinical practice, with an emphasis on ethical issues and client perspectives</td>
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<tr>
<td>2020</td>
<td>Vistas of Neurotherapeutics in Child and Adolescent Psychiatry&lt;br&gt;Highlighting research related to rapidly evolving neurotherapeutics and brain stimulation modalities that hold the promise of augmenting or providing alternatives to current treatment approaches for neurodevelopmental disorders in children and adolescents</td>
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Leveraging National Data Sources to Rapidly Identify the Early Impact of the COVID-19 Pandemic

Co-chairs: Rasim Diler, MD, and Bonnie T. Zima, MD, MPH

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.

Katherine Auger, MD, MSc

Association Between Statewide School Closure and COVID-19 Incidence and Mortality in the United States

Dr. Auger is the Associate Chair for Outcomes at Cincinnati Children’s Hospital Medical Center. She is an Associate Professor of Pediatrics at the University of Cincinnati College of Medicine and a member of the Division of Pediatric Hospital Medicine. Dr. Auger’s research focuses on understanding how policy change impacts children. Her research is funded through a K08 award from the Agency for Healthcare Research and Quality. With the COVID pandemic, her research has focused on understanding the direct effects of the pandemic as well as the policies to control the pandemic’s impact on children. She completed fellowship training in pediatric hospital medicine at Cincinnati Children’s Hospital Medical Center. She also completed the Robert Wood Johnson Clinical Scholars Program, which included completing a Master of Science degree in Health and Healthcare Research. She has more than 50 peer reviewed publications, most on pediatric hospitalization and discharge transition. Dr. Auger has received several prestigious research awards including the Nemours child Health Services Research Award and the Pediatric Hospital Medicine Outstanding Research Award.

Rebecca Leeb, PhD

Children’s Mental and Behavioral Health Before, During, and After the COVID-19 Pandemic

Dr. Leeb is a Health Scientist/Epidemiologist in the Division of Population Health, National Center for Chronic Disease Prevention and Health Promotion at the Centers for Disease Control and Prevention, where her work is focused on expanding CDC’s capacity to address emotional well-being at the population level. Trained as a developmental psychologist, Dr. Leeb served in CDC’s National Center for Injury Prevention and Control (2002-2010) where she led CDC’s work to improve public health tracking and monitoring of child abuse and neglect, including publication of CDC’s Child Maltreatment Surveillance -Uniform Definitions for Public Health and Recommended Data Elements. From 2010 to 2021, Dr. Leeb served in the National Center on Birth Defects and Developmental Disabilities where her work focused on children’s emotional well-being, children’s disaster–related mental health, adolescent mental health and transition to adulthood, and mental health surveillance. Dr. Leeb has participated in numerous CDC emergency responses and most recently served for more than 200 days on the response to the COVID-19 pandemic. She is the author of recent publications including reports describing healthcare transitions for adolescents with mental, behavioral, and developmental disorders and children’s mental health–related emergency department visits during the COVID-19 pandemic.
RESEARCH SYMPOSIUM FOCUS: 2005-2012

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

New Neuroscience Approaches to Neurodevelopmental Disorders

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

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

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

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

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

Social Context in Development
- Lessons from Songbirds about Basal Ganglia Circuits, Social Context, and Learning
- Lessons From Children About Health Disparities, Social Context, and Methodological Quandaries
RESEARCH SYMPOSIUM FOCUS: 2013-2020

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

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

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

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

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

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

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

Developments In Irritability: An Old Phenotype With New Frontiers
• Highlight advances in transdiagnostic and diagnosis-specific conceptualizations of irritability
• Discuss emerging insights into relevant neural mechanisms
Early research career child and adolescent psychiatrists receive mentorship during the live session 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.

2021 Research Colloquium for Early Career Investigators
Co-chairs: Paul Croarkin, DO, MS, Kate Fitzgerald, MD, and Ellen Hoffman, MD, PhD
October 21, 2021, 12-2 pm, and October 27, 2021, 2:30-5:30 pm

Pre-Recorded Content
NIH Priorities: Julia Zehr, PhD, National Institute of Mental Health, and Geetha Subramaniam, MD, National Institute on Drug Abuse

Contemporary Issues for Clinician Scientists:
- Challenges of preclinical research: Ellen Hoffman, MD, PhD
- Underrepresented minorities in academic psychiatry: Abidemi Adegbola, MD
- Mentorship: Kevin Gray, MD
- Know When To Hold ‘Em, When To Fold ‘Em: Concise thoughts on Negotiating Starting or Changing Institutions: Daniel Dickstein, MD
- Work-Life Integration for Child Psychiatry Researchers: Leslie Hulvershorn, MD, MSc
- Transforming the Culture of Academia through Presence and Participation: Manpreet Singh, MD, MS

October 21 Agenda
I. Welcome and Introductions
II. Personal K Stories Panel
   Kara Bagot, MD, Rebecca Muhle, MD, PhD, Ernest Pedapati, MD, MS, Jonathan Posner, MD
III. Open Discussion on Pre-recorded Content

October 27 Agenda
I. Proposal Feedback Blitz in small groups
II. Reflections about Grant Writing and Feedback
III. Questions & Answers/Next Steps
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