



Yale University

Autism Biomarkers Consortium for Clinical Trials – Post-Graduate Research Fellowships

The **Autism Biomarkers Consortium for Clinical Trials (ABC-CT)** seeks highly qualified college graduates to participate in cutting-edge clinical research on autism spectrum disorder at the Yale Child Study Center. The ABC-CT is a network of leading scientists at five sites (Boston Children's Hospital/Harvard University, University of Washington/Seattle Children's Research Institute, Duke University, University of California – Los Angeles, and Yale University). The goal of this consortium is to generate a set of reliable behavioral and psychophysiological tools for use in clinical trials with children with ASD. Specifically, we will be working to integrate diagnostic, behavioral, EEG, and eye tracking methods to create biomarkers that can be used to reduce the heterogeneity of autism and indicate efficacy of treatments.

The primary training experience will be in daily activities related to clinical neuroscience research. Multiple positions are available and can be tailored to candidates' skills. Some positions will be clinically oriented, involving working with children with autism and their families; other positions are more technically oriented, involving developing experimental paradigms and data-analytic tools. Training and research opportunities include brain recording using electroencephalography (EEG) and event related potentials (ERP), eye tracking, behavioral assessment, and clinical and diagnostic assessment. Responsibilities may include: collecting data using EEG, eye-tracking data, and lab-based measures of social behavior, including preparing for sessions and operating hardware and software; processing and analyzing data, providing behavioral support for children with ASD during diagnostic, neurocognitive, and eye-tracking and EEG assessments; supervising undergraduates and volunteers; maintaining adherence to research protocols and verifying accuracy of research study data; supervising/performing data entry and performing quality control checks on research data; assisting in the preparation of human subjects applications, consent forms, and progress reports; attending to general lab/office duties including ordering equipment and supplies. Successful applicants will be involved in a highly active and productive community of clinical research scientists at Yale and at collaborating sites. The fellowship's curriculum includes didactic opportunities (biweekly autism lectures by Yale scientists and visiting faculty, weekly lab meetings, and Yale Child Study Center Grand Rounds). The fellowship will also offer opportunities to contribute to conference presentations and publications.

Sponsor Institution: Yale Child Study Center, Yale University

Project Faculty: James McPartland, Kasia Chawarska, Fred Shic, Adam Naples

Award Amount: \$30,000 in Year 1; \$32,000 in Year 2 (plus full healthcare coverage)

Term of Award: 1-2 years

Submission Deadline: Multiple positions will be hired on a rolling basis. Applications will be processed as received.

Eligibility Requirements

Prioritized skills and experiences include: (1) Strong interpersonal skills; (2) Psychology and/or neuroscience coursework and experience; (3) Experience working as a research assistant (or similar) on autism research projects; (4) Experience with eye-tracking or EEG; (5) a strong technical background involving engineering, computer science, physics, mathematics, or another technical field; (6) Experience working with statistical software for data processing and analyses, such as Matlab or R.

Multiple positions are available and can be tailored to candidates' skills (e.g., some positions are clinically oriented and some technically oriented). Candidates for all positions must have an anticipated B.S. or B.A. by hire date.

Please note that this fellowship is not offered concurrently with graduate studies. However, we do hope that the fellowship will serve as an important stepping-stone towards future graduate studies upon completion of the program.

Application Information

A complete application includes **1 copy of each** of the following items (please include your full name on every page of your application):

1. A completed application form.
2. A resume or CV.
3. College transcript.
4. A two-page personal statement containing biographic material, relevant experience, and career goals. This can be single or double-spaced.
5. Names and contact information for three references.
6. If available, a sample of the candidate's scientific writing (at least five pages).

Submit your application with the subject line: LAST NAME_Position Title (e.g., SMITH_Postgrad Research Fellow). For additional questions, interested applicants should contact asdbiomarkers@yale.edu or call (203) 737-4586.

Submitting Your Application

Direct applications to:

James McPartland, Ph.D.

Associate Professor of Child Psychiatry and Psychology

Director, Yale Developmental Disabilities Clinic

Principal Investigator, Autism Biomarkers Consortium for Clinical Trials

Yale Child Study Center

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<http://www.asdbiomarkers.org>

<http://www.autism.fm>

<http://www.mcp-lab.org>

<http://medicine.yale.edu/lab/til>

<http://medicine.yale.edu/childstudy/yescog>

Yale University's Equal Opportunity Statement

The University is committed to basing judgments concerning the admission, education, and employment of individuals upon their qualifications and abilities and affirmatively seeks to attract to its faculty, staff, and student body qualified persons of diverse backgrounds. In accordance with this policy and as delineated by federal and Connecticut law, Yale does not discriminate in admissions, educational programs, or employment against any individual on account of that individual's sex, race, color, religion, age, disability, status as a special disabled veteran, veteran of the Vietnam era or other covered veteran, or national or ethnic origin; nor does Yale discriminate on the basis of sexual orientation or gender identity or expression.

University policy is committed to affirmative action under law in employment of women, minority group members, individuals with disabilities, special disabled veterans, veterans of the Vietnam era, and other covered veterans.

Scores (report at least one test):

SAT SCORES: Overall _____ Math _____ Critical Reading _____ Writing _____

or

ACT SCORES: Composite _____ English _____ Math _____ Reading _____ Science _____

or

GRE SCORES: Verbal _____ Quantitative _____ Writing _____

or

OTHER SCORES (eg. TOEFL): Test _____ Score _____

Recommendations:

R1: _____
Name Title

Institution Phone

R2: _____
Name Title

Institution Phone

I certify that the information given by me on this application and supporting documents is complete and accurate, and I understand that any misrepresentation may be cause for refusing acceptance or dismissal from the fellowship program.

Signature: _____
Name Date