

The background of the entire page is a composite image. The top half shows a woman with long brown hair, wearing a blue shirt, smiling and pointing at a screen. The bottom half shows a young child with dark hair, wearing a red headband and a red shirt, looking up at the same screen. The screen displays a colorful, abstract graphic with blue and red shapes. The overall scene suggests a therapeutic or educational interaction.

# FELLOWSHIP OPPORTUNITIES

ADVANCE THE UNDERSTANDING  
OF AUTISM

The logo for the Marcus Autism Center, featuring a stylized blue swoosh above the word "Marcus" in a serif font, with "AUTISM CENTER" in a sans-serif font below it.

**Marcus**  
AUTISM CENTER

**NIH Autism Center  
of Excellence**

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# PREDOCTORAL FELLOWSHIP OPPORTUNITIES

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Marcus Autism Center, in conjunction with Children's Healthcare of Atlanta and Emory University School of Medicine, is offering three two-year fellowships every year. Fellows will participate in innovative research to provide novel solutions to complex problems in a robust clinical environment.

## **A leader in the field**

Since its inception, Marcus Autism Center has provided clinical services to more than 40,000 children with autism spectrum disorders (ASD). Awarded an NIH Autism Center of Excellence grant, Marcus Autism Center has tripled the number of research employees who are developing groundbreaking autism research projects and treatment programs. With the direction of Ami Klin, Ph.D., our close clinical and research relationships with Children's and Emory offer a larger scale of programs and research capabilities than any other autism center in the country.

## **More autism research is critical**

The prevalence of ASD increased by 78 percent during the past decade, with autism now affecting one in 88 children—including one in 54 boys—nationwide, higher than the rate of childhood cancer, juvenile diabetes and pediatric AIDS combined. Our mission is to transform autism diagnosis and treatment to change the lives of children with autism.

## **National treatment models will be based on our research**

A focused research program at Marcus Autism Center will support our clinical care by developing cost-effective, community-based models. Through our research, we will:

- Establish quantitative and objective markers of ASD.
- Develop a performance-based universal screening device to help determine possible developmental delays.
- Become the national model for best practices in clinical diagnosis, assessment and transdisciplinary evaluation.
- Create a comprehensive Case Management Program to transition families from initial diagnosis to treatment and community-viable intervention in a timely and efficient manner.
- Establish direct lines of support for genetic testing and counseling.
- Develop training models to aid parents in learning ways to help their children with autism.

Visit [marcus.org/fellowship](https://marcus.org/fellowship) for more information and to download an application.

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# SIMONS FELLOWSHIP

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## in Design Engineering

### Award description

Previously sponsored by the Yale University School of Medicine, the Simons Fellowship in Design Engineering will select fellows who will be immersed in a two-year training program aimed at the integration of design engineering with neuroscience research.

### Fellowship expectations

Successful applicants will be expected to develop innovative hardware solutions to answer basic and advanced questions in the field of social neuroscience. These solutions offer an opportunity to explore human factors engineering, product prototyping and the design of environments for neuroscience research.

The fellowship is an opportunity for creative engineering, in which basic design challenges are defined, but the routes to solutions are open-ended. The selected fellows will be mentored by the program directors and involved in a highly active research community. The fellows will learn about neuroscience and autism while applying their own design skills to answer future experimental questions.

### Eligibility requirements

College graduates who will have received a bachelor's degree by June 2014 are eligible for the program. Candidates are expected to have a background in design and a facility for creative problem solving. Candidates possessing experience in fabrication and/or control systems design will be favorably reviewed.

The training curriculum includes participation in:

- An intensive summer seminar covering clinical research in autism
- Monthly autism grand rounds meetings (all year)
- Weekly social neuroscience lab meetings (all year)
- Ongoing didactic practica at both Marcus Autism Center and Emory University School of Medicine



The primary training experience will be in daily activities related to eye-tracking research, including:

- Operation of experimental equipment
- Contact with infants and school-age children and their families
- Responsibility for completing experimental protocols

With research mentorship, selected applicants will be expected to guide pre-determined research projects of from the point of data collection through analysis and publication of results. The fellowships also will provide funding (beyond the award amount) for participation in one international conference related to autism research each year. Successful applicants will be directly mentored by the program directors and will be involved in a highly active and productive community of clinical research scientists.

### Application information

Visit [marcus.org/fellowship](http://marcus.org/fellowship) for application materials and additional information.

*Sponsor institutions:* Marcus Autism Center, Children's Healthcare of Atlanta and Emory University School of Medicine

*Program directors:* Ami Klin, Ph.D., Warren Jones, Ph.D., Gordon Ramsay, Ph.D., and Sarah Shultz, Ph. D.

*Term of award:* Two years

*Submission deadline:* Jan. 17, 2014

*Award amount:* \$32,000

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# DONALD J. COHEN FELLOWSHIP

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## in Developmental Social Neuroscience

### Award description

Previously sponsored by the Yale University School of Medicine, the Donald J. Cohen Fellowship in Developmental Social Neuroscience will select fellows for a two-year program researching social cognition in infants at risk for autism.

### Fellowship expectations

Successful applicants will engage in clinical and research experiences through studies ranging from a very large prospective study of infants, which follows children from birth until 36 months of age, to work with toddlers and school-age children spanning the full autism spectrum.

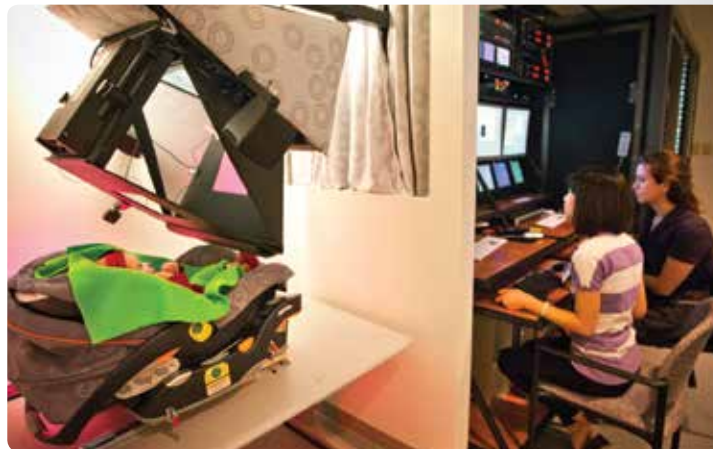
The primary training experience for the fellowship will involve activities related to eye-tracking research, including operation of experimental equipment and paradigms, contact with infants and toddlers and their families, and responsibility for designing and carrying out experimental protocols. Successful applicants will be directly mentored by the program directors and will participate in weekly seminars and meetings as an integral part of an active community of clinical research scientists.

### Eligibility requirements

College graduates who will have received a bachelor's degree by June 2014 are eligible for the program. Candidates with previous experience with infants and toddlers, experimental psychology or young children with autism will be favorably reviewed.

The training curriculum includes participation in:

- An intensive summer seminar covering clinical research in autism
- Monthly autism grand rounds meetings (all year)
- Weekly social neuroscience lab meetings (all year)
- Ongoing didactic practica at both Marcus Autism Center and Emory University School of Medicine



The primary training experience will be in daily activities related to eye-tracking research, including:

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*Term of award:* Two years

*Submission deadline:* Jan. 17, 2014

*Award amount:* \$32,000



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# SIMONS FELLOWSHIP

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## in Computational Neuroscience

### Award description

Previously sponsored by the Yale University School of Medicine, the Simons Fellowship in Computational Neuroscience will select fellows for a two-year training program aimed at the development of computational tools for early diagnosis and phenotypic characterization of infants at risk for autism.

### Fellowship expectations

The selected fellows will integrate computational strategies with clinical research goals—developing methods for the analysis of visual scanning and eye-tracking data, computational models of visual salience and data visualization techniques—all with the aim of advancing the understanding of autism and efforts at early diagnosis. This work will be directly informed by interacting with children with autism and their families.

Successful applicants will be directly mentored by the program directors and will participate in classes, weekly seminars and meetings as an integral part of an active community of clinicians and research scientists.

### Eligibility requirements

College graduates who will have received a bachelor's degree by June 2014 are eligible for the program. While candidates are expected to have experience with computer programming and an interest in clinical research goals, applicants from a wide variety of backgrounds are encouraged to apply.

The training curriculum includes participation in:

- An intensive summer seminar covering clinical research in autism
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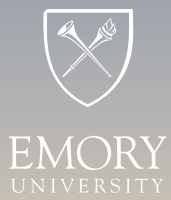
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