**Goals:** The general goals are to provide qualified undergraduates with an opportunity to
- Gain direct research experience in computational methods for analyzing imaging genomic data
- Learn tools and skills that will promote successful admission to post-baccalaureate programs
- Explore a career in computational science with focus on neuroimaging genomics

**Activities:** Students will participate in various research-related activities:
- Mentored research on a chosen topic in the scope of an ongoing NSF data mining project
- Apply the proposed methods and tools to analyze real world data sets
- Package the methods and tools used in the analyses into a user-friendly prototype toolkit
- Attend weekly group meetings and learn ongoing research activities in the lab

**Eligibility:** Applicants must be
- Citizens or permanent residents of the United States or its possessions
- Undergraduate students enrolled in an accredited college/university, majoring in computer science, informatics, or relevant quantitative science and engineering area

**Preference:** Preference will be given to
- Students with clear motivation to join a Ph.D. program
- Students with excellent academic performance
- Students with experience in programming and algorithm designing
- Students with experience in relevant application areas (e.g., brain imaging, genomics)
- Students from underrepresented groups in Computer Science

**How to Apply:** Interested candidates should forward their resumes and a list of three references to:

Li Shen, Ph.D., Assistant Professor  
Center for Neuroimaging, Department of Radiology and Imaging Sciences  
Center for Computational Biology & Bioinformatics  
Indiana University School of Medicine  
950 W Walnut St, R2 E124, Indianapolis, IN 46202  
Tel: (317) 278-0498, Fax: (317) 274-1067  
Email: shenli@iupui.edu (Submission via email is preferred)  
URL: [http://www.iupui.edu/~shenlab/](http://www.iupui.edu/~shenlab/)

Indiana University is an AA/EOE employer, M/F/D.