

Postdoctoral Research Associate in Network Neuroscience

The [Decision Neuroscience Laboratory](#) of the [Beckman Institute for Advanced Science and Technology](#) is accepting applications for a Postdoctoral Research Associate in Network Neuroscience, beginning Fall 2022.

The goal of this fellowship is to conduct state-of-the-art functional and structural MRI studies of the human connectome with an emphasis on characterizing the topology and dynamics of [human intelligence](#). In addition, the Research Associate will have the opportunity to lead applied research projects that examine cognitive and neurobiological phenotypes of elite military populations, for example, through projects sponsored by the DARPA [TAILOR Program](#), the DARPA [Measuring Biological Aptitude Program](#), and the Human Performance Wing (STRONG Lab) of the [Air Force Research Laboratory](#).

The Decision Neuroscience Laboratory provides ample opportunity for the development of innovative, focused research and a broad collaborative cognitive neuroscience experience through affiliations with the Cognitive Neuroscience Division of the [Department of Psychology](#), the [Department of Bioengineering](#), the [Neuroscience Program](#), the [Intelligence, Learning, and Plasticity Initiative](#), and the [National Center for Supercomputing Applications](#). The Decision Neuroscience Laboratory has received support from the National Institutes of Health BRAIN Initiative, the National Institute of Aging, the National Science Foundation, the Department of Defense (DARPA), the Office of the Director of National Intelligence (IARPA), and private industry.

At the [Biomedical Imaging Center](#) of the Beckman Institute, we utilize two research-dedicated Siemens Magnetom Prisma, state-of-the-art, 64-channel MRI scanners with 80 mT/m gradients, along with a 64-channel head coil. In addition, the University of Illinois and Carle Foundation Hospital have recently acquired a Siemens Magnetom [Terra 7T MRI](#) scanner to afford remarkable research opportunities for ultra-high field human brain imaging.

This research fellowship is designed as a three-year experience that includes a speaker series, journal article discussions, laboratory presentations and discussions, tutorial training, and the teaching of skills necessary to conduct original cognitive neuroscience research. Ph.D.'s with a strong background in network neuroscience, computer science, engineering, and statistics are encouraged to apply. Salary and benefits are competitive and commensurate with NIH guidelines. For further information, contact Aron K. Barbey, Ph.D., Director, Decision Neuroscience Laboratory, at barbey@illinois.edu. To apply, send CV and three recommendations to barbey@illinois.edu by January 15, 2022. The University of Illinois is an equal opportunity employer committed to creating a diverse, cooperative work environment. Women, members of under-represented minority groups, and individuals with disabilities are encouraged to apply. **We anticipate working remotely during the COVID-19 pandemic and will aim to provide a flexible and accommodating working schedule.**

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