Dear Colleagues and friends,

NIDL and brainLENS-east labs (Neurobiology of Individual Differences in Language Lab http://nidl-lab.org, PI: Roeland Hancock PhD; and Laboratory for Learning Engineering and Neural Systems http://brainlens.org, PI: Fumiko Hoeft MD PhD) at University of Connecticut's Brain Imaging Research Center (UCONN's BIRC) are seeking: (1) two full-time neuroimaging postdoctoral fellows, and (2) two full-time Research Coordinators. BIRC is also seeking one full-time IT staff.

TWO NEUROIMAGING POSTDOC POSITIONS @ UCONN

We are seeking two postdoctoral scholars. The postdocs will manage and execute large-scale neuroimaging projects investigating the neurobiological mechanisms underlying: (1) language, literacy and cognition in generally healthy young adults using multimodal neuroimaging techniques such as MRI, MRS and TMS ("Perturbation Postdoc"); and (2) intergenerational transmission of language and literacy in parent-offspring dyads using MRI techniques ("Intergenerational Postdoc"). In addition, the successful candidates will have the opportunity to be involved in other federally and non-federally funded-research projects in the laboratories, gain experience in grant and manuscript writing and large-scale project management, outreach and community engagement projects, and access to a wealth of archival developmental and longitudinal neuroimaging data on language and literacy.

Required qualifications:
• PhD or equivalent in cognitive and systems neurosciences, computer science, engineering, psychology or a closely related field
• Computational skills, including knowledge of at least one programming language and Unix commands
• Strong written and verbal communication skills
• Leadership and organizational skills

Preferred qualifications:
• Exceptional skills in collecting and analyzing MRI, MRS, and/or TMS data
• Experience in M/EEG
• Documented history of productivity and leadership
• Advanced knowledge and expertise in statistics, e.g. multivariate statistics, behavioral genetics, Bayesian and Monte Carlo methods

The position will be formally advertised at a later date. In the meantime, interested candidates should email **info@nidl-lab.org**with **"[Postdoc Job (*YOUR FULL NAME*)]" in the subject line**. In the email they should include (a) a current CV, (b) a one-page cover letter describing qualifications, interest, career goals and which postdoc position they are interested in (refer to as **"Perturbation Postdoc/Project"** or**"Intergenerational Postdoc/Project")**, and (c) a list of 3 potential referees with their contact information. The position can begin immediately. *Postdoctoral scholars from the lab have gone onto a range of research faculty and imaging director positions at institutions such as Stanford, Caltech, Boston College, and University of Texas.*

TWO FULL-TIME RESEARCH COORDINATOR POSITIONS @ UCONN

The Department of Psychological Sciences at the University of Connecticut seeks two highly independent and motivated full-time Research Coordinators (Research Assistant I, AAUP) to support a variety of research projects using neuroimaging and behavioral methods to study language, literacy, and cognition across the lifespan. The successful candidates will have the opportunity to be involved in federally and non-federally funded-research projects in the laboratories, gain experience in grant and manuscript writing and large-scale project management, outreach and community engagement projects, and access to a wealth of archival developmental and longitudinal neuroimaging data on language and literacy. This is a full-time, end-date position starting in July 2018, with a high likelihood of renewal contingent upon funding availability.

The successful applicant with work with PI Roeland Hancock PhD, Assistant Professor of Psychological Sciences and Associate Director of BIRC at UCONN, and PI Fumiko Hoeft MD PhD, currently Professor of Psychiatry & Weill Institute of Neurosciences at UCSF, Deputy Director of UCSF Dyslexia Center, and Executive Director of a seven university UC-Stanford Precision Learning Center. She will start at UCONN as Director of BIRC and Professor of Psychological Sciences in August 2018. UCONN has outstanding resources for cognitive and systems neuroscience research, including a new state-of-the-art neuroimaging center BIRC. The laboratories have extensive local, national and international collaborations with other research groups such as UCSF, Haskins Labs, Yale, BCBL, U of Michigan, Stanford, U of British Columbia, Chinese University of Hong Kong. UCONN is centrally located in the New England area with easy access to nearby cultural centers such as New York, Boston, Providence and New Haven.

Description:
We are seeking full-time research assistants to run laboratory operations and manage research projects. The position would be situated at the UConn Storrs campus within the Department of Psychological Sciences. This is an excellent opportunity for those who are enthusiastic about learning new research skills, being involved in rapidly growing laboratories, and those considering going to graduate school.

Responsibilities may include, but are not limited to:
- Lab/Project management including hiring, IRBs, grants, meetings, and outreach events.
- Data collection and management
- Managing participant recruitment, outreach, advertising, and scheduling
- Independently analyzing data and writing up findings or publication and/or dissemination
- Other related duties as requested

Required Qualifications:
- BA/BS in Psychology, Cognitive Science, Neuroscience, or related field
- Excellent organizational and interpersonal skills
- Excellent spoken and written communication skills

Preferred Qualifications:
- Ability to prioritize and work independently as well as collaboratively with local and remote collaborators

- Technical skills such as programming, neuroimaging data collection and analyses
- Flexibility with work hours and responsibilities
- Ability to travel within the New England area for outreach and data collection
- Prior research experience

The position will be formally advertised at a later date. In the meantime, please send your CV and a cover letter outlining your interests and future goals to **info@nidl-lab.org**with **"[RA Job (*Your Full Name*)]" in the subject line.**Candidates will be directed to formally apply online as next steps. Please feel free to contact us if you have any questions.

Research assistants from our lab have gone onto a range of graduate schools and programs at institutions such as Stanford University, Harvard University, Columbia University and University of California Berkeley.

ONE FULL-TIME IT STAFF POSITION @ UCONN

UCONN invites applications for the position of Technical Support Consultant (Computer Technical Support Consultant 2, UCP VII) at Brain Imaging Research Center (BIRC). This is a full-time, non-tenure track, renewable position with a yearly contract. UConn recently opened the 3,200 square foot neuroimaging center, dedicated to cognitive neuroscience research. The IT staff will support the computing infrastructure needs of BIRC's day-to-day operations, by providing computing and information technology support services internally and to the BIRC community.

The IT staff will:
- Maintain and instantiate Linux-based virtual machines on a Windows server
- Deploy, secure, and administer web servers, databases, and other services in a Linux environment
- Liaise with the UCONN Information Technology office, design IT infrastructure within UCONN guidelines to address project needs, implement security and patch policies, configure network interfaces and software firewalls, and ensure compliance with policies
- Maintain data storage and backup systems (Linux, RAID)
- Maintain desktop computing systems (MacOS and Windows)
- Install software with complex dependency structures and maintain co-existing software versions
- Oversee the maintenance and troubleshooting of peripheral computing devices and electronics (response boxes, A/D converters, physiological recording equipment, eye tracker, etc.). Ensure computers and electronics are in proper working order; troubleshoot problems with equipment, coordinating with vendors for repairs/maintenance as necessary
- Provide end user support (training, consultation, and troubleshooting) on BIRC's computing equipment.
- Maintain careful records of all work performed.
- Write user documentation

Minimum Qualifications:
- B.A. or B.S. in Computer Science or related field, and three years of relevant experience, or equivalent combination of education/training
- Significant Linux sysadmin experience and/or certification

- Knowledge of Windows server administration
- Proficiency with MS Windows, MS Office, MacOS
- Knowledge of SQL, PHP, Python, bash, tcsh, and/or similar languages
- Strong IT skills relevant to the processing, storage, and sharing of large datasets
- Demonstrated ability to problem-solve and trouble-shoot under stressful conditions
- Ability to work with people, handle technical problems, and develop complex plans
- Ability to install and maintain hardware and software
- Ability to quickly learn new software, systems
- Ability to tolerate dust exposure
- Ability to lift 50 pounds

Other Desirable Qualifications/Skills:
- Experience with computer hardware repair
- Experience with version control (e.g. Git) and/or software reproducibility systems (e.g. Docker)
- Ability to help develop and/or customize scientific and high-performance computing pipelines
- Experience with Matlab, R, or other scientific computing packages.

Appointment Terms:
The appointment start-date is flexible with a preference for an earlier start-date. Salary will be commensurate with qualifications and experience.

The position will be formally advertised at a later date. In the meantime, if interested in the above position, please send your CV and a cover letter outlining your qualifications and any supporting material to **info@nidl-lab.org** with **"[IT Job (*Your Full Name*)]" in the subject line.** Candidates may be asked to come in for interviews and provide up to three letters of recommendation as next steps. Please feel free to contact us if you have any questions.

BACKGROUND

PI Roeland Hancock PhD is Assistant Professor of Psychological Sciences and Associate Director of BIRC at UCONN. PI Fumiko Hoeft MD PhD is currently Professor of Psychiatry & Weill Institute of Neurosciences at UCSF, Deputy Director of UCSF Dyslexia Center, and Executive Director of a seven university UC-Stanford Precision Learning Center. She will start at UCONN as Director of BIRC and Professor of Psychological Sciences in August 2018. UCONN has outstanding resources for cognitive and systems neuroscience research, including a new state-of-the-art neuroimaging center BIRC. The laboratories have extensive local, national and international collaborations with other research groups such as UCSF, Haskins Labs, Yale, BCBL, U of Michigan, Stanford, U of British Columbia, Chinese University of Hong Kong. UCONN is centrally located in the New England area with easy access to nearby cultural centers such as New York, Boston, Providence and New Haven.

The University of Connecticut is committed to building and supporting a multicultural and diverse community of students, faculty and staff. The diversity of students, faculty and staff continues to increase, as does the number of honors students, valedictorians and salutatorians who consistently make UConn their top choice. More than 100 research centers and institutes serve the University's teaching, research, diversity, and outreach missions, leading to UConn's ranking as one of the nation's top research universities. UConn's faculty and staff are the critical link to

fostering and expanding our vibrant, multicultural and diverse University community. As an Affirmative Action/Equal Employment Opportunity employer, UConn encourages applications from women, veterans, people with disabilities and members of traditionally underrepresented populations.