A postdoctoral position is available in Sung Ok Yoon’s Lab at the Ohio State University, Columbus, OH, USA.

We are seeking highly motivated individuals (two or thee) to join our lab as postdocs. Projects include the role of neurotrophic factors in neuropathology including Alzheimer’s disease and spinal cord injury. Additional projects include drug discovery for Alzheimer’s disease and understanding the role of metabolic disruption in microglial function in Alzheimer’s disease. We are looking for scientists with a background and training in neurosciences, cell biology, biochemistry, and/or molecular biology with solid first author publication(s).

Salary is based on the NIH postdoc pay scale plus full benefit that includes medical, dental, and vision care.

Columbus, the capital of Ohio state, is a mid-size city in the US. Living is easy in Columbus with low crime rate and without much car traffic even during rush hour. People in Columbus are also very nice and welcoming compared to those in big cities. Cost of living is also modest with apartment rental prices ranging from $900 to $1200 a month for 2 bedrooms. The quality of public primary and secondary schools is also outstanding.

Interested applicants should submit Curriculum Vitae, a brief description of your research interests, and contact information of two or three references to: sung.yoon@osumc.edu. For more information, see https://medicine.osu.edu/bcpharm/directory/faculty-directory/sung-ok-yoon/Pages/index.aspx
University of California Riverside에 있는 조준형 교수 연구실 [Link]에서 두 분의 postdoc 또는 연구원을 모집하고자 합니다. 본 연구실에서는 NIH의 연구지원을 받아 학습과 기여의 원리를 신경회로와 시냅스 수준에서 연구하고 있습니다. 이를 위해 기전 세포레이블(engram cell label), 전기생리학, 마우스 행동 실험, optogenetics, chemogenetics, 바이러스를 이용한 신경해부학적 방법 등을 사용하고 있습니다. 연구 주제와 방법에 대해서는 본 연구실에서 발표한 다음의 연구 논문을 참고하십시오. Neuroscience 또는 관련 분야에서 박사/석사학위를 가진 분이나 취득할 예정인 분 중에 patch-clamp recording, optogenetics/chemogenetics 또는 stereotaxic surgery의 경험이 있는 분들의 지원을 기다리고 있습니다. 관심있는 분들은 juncho@ucr.edu로 CV를 첨부하여 지원해 주시길 부탁드립니다. 9월에 한국에서 열리는 IBRO 또는 10월에 Chicago에서 열리는 SfN conference에 참석하여 연락을 진행하고자 합니다.


3

POST-DOCTORAL FELLOWSHIP IN BRAIN IMAGING & BRAIN STIMULATION

Ko Lab at University of Manitoba is seeking a full-time post-doctoral fellow who will lead imaging-guided brain stimulation studies. Multiple projects are on-going in Ko Lab (https://www.kolabneuro.com/). The candidate will analyze the already collected brain imaging data (fMRI, DTI, PET) and conduct HD-tDCS studies.

Requirements

The applicant should possess a PhD in Neuroscience or a related discipline. Preference will be given toward the individuals with 1) experiences in data analysis of neuroimaging data: resting-state fMRI and/or DTI (graph theory application is preferred), 2) experience in the neuropsychological assessment, and/or 3) experiences in transcranial direct current stimulation (tDCS) and/or HD-tDCS applications. The position is initially for 1 year, and it may be extended subject to competency and funding availability. The position may start as soon as possible but the start date is negotiable.

Benefits

Salary: Total funding will be based on experience. Minimum funding for this position is $35,000 CAD/year (+benefits)

For an informal discussion about the post, please contact Dr. Ji Hyun Ko (ji.ko@umanitoba.ca or +1-204-318-2566).

Interested applicants should submit the following application materials via e-mail (ji.ko@umanitoba.ca).

(i) A 1-2 page personal statement or cover letter outlining professional goals, research interests, and relevant background experience.
(ii) A full curriculum vitae with a list of publications
(iii) Work sample, such as a published manuscript on which you are first author or other written product that highlights your work relevant to the brain imaging and/or PTSD emphasis areas.
(iv) The names and contact information of at least two references.
A Postdoctoral Fellow position is available in the Department of Neurosciences at the Cleveland Clinic. The research goal is to understand the anatomical and functional organization of hippocampal neural circuits that underlie human mental behaviors and disease, with a hope that the outcomes of our research will lead to the development of new therapeutic approaches to prevent, treat, and cure neuropsychiatric disorders. A successful candidate will focus on understanding of neuronal connectivity and function of hippocampal neural circuits in normal and disease rodent models.

Our lab is seeking highly motivated, independent, and creative individuals with a Ph.D. and/or M.D. degree with laboratory expertise in neuroscience, genetics or related fields. Applicants should send a cover letter, CV, and complete contact information for three references to Dr. Hoonkyo Suh at suhh2@ccf.org

Hoonkyo Suh
Associate Professor / Department of Neurosciences / Cleveland Clinic / 9500 Euclid Ave, Cleveland, OH / suhh2@ccf.org / office: 216-444-5895

Two postdoctoral fellow positions available at Mayo Clinic Rochester

The laboratory of Mi Hyeon Jang has an immediate opening for two post-doctoral fellows at the Mayo Clinic Rochester Campus, Minnesota. The projects are currently focused on elucidating the mechanisms underlying two regenerative processes (neurogenesis and oligodendrogenesis) in relation to learning and memory function in the contexts of brain aging as well as neurological conditions that accelerate aging process. Primary techniques used in the lab include confocal imaging, memory and mood related behaviors, the development of novel transgenic mouse lines, immunochemistry, molecular biology, optogenetics and chemogenetics. We seek highly motivated and energetic candidates with strong laboratory experiences, skills and work ethic. Ideal skill set would include memory-related animal behaviors, stereotaxic viral surgery, immunohistology, confocal imaging, and molecular biology. Experience in neural stem cell and/or glial biology is a plus.

Please send your CV, a short cover letter summarizing your research experience and research interest as well as contact information for three references to: jang.mihyeon@mayo.edu
A postdoc position is available in the laboratory of Dr. Koh at Thomas Jefferson University to investigate the molecular and neural basis of sleep and circadian rhythms in Drosophila. Sleep is an essential, evolutionarily conserved process, and Drosophila sleep is an exciting research area with many opportunities. We employ a wide range of techniques including behavioral analysis, neural circuit analysis, genetic screens, biochemical analysis, cell culture experiments, and molecular biology. Several projects are available including competition between sleep drive and other drives such as hunger and sex drive; synaptic changes during sleep; sleep and circadian rhythms in Drosophila models of neurodegeneration; and sleep regulation by sensory stimulation.

The positions are available immediately and require a PhD or MD/PhD. Highly motivated and creative individuals with expertise in neurobiology, genetics, Drosophila behavior, calcium imaging, neural circuit analysis, biochemistry, cell culture, electrophysiology, and/or molecular biology and a strong record of productivity are encouraged to apply. Applications will be considered on a rolling basis until the position is filled.

To apply, please send CV, a letter describing research experience and career goals, and contact information for three references to FlySleepLab@gmail.com

For more information, visit lab website: www.kyungheekohlab.net

A postdoctoral position is available immediately in the Department of Biology of The University of Texas at San Antonio. Research in the laboratory focuses on the pathogenic mechanism of Alzheimer disease with a particular emphasis on the molecular mechanism of neurodegeneration. The successful applicant will work as part of a team with broad expertise in a variety of experimental techniques and animal model systems. The candidate should hold Ph.D. for the postdoctoral position and has a strong conceptual and experimental background in molecular/cellular neurobiology or other related fields. Experience with transgenic mouse models, primary neuron culture, molecular/cellular techniques including Western blotting, immunocytochemistry, qRT-PCR, and rodent stereotaxic surgery would be desirable.

To apply for this position, please email a cover letter describing your research interest, expertise and career goals along with a curriculum vitae and contact information for at least two references to Dr. Hyoung-gon Lee (hyoung-gon.lee@utsa.edu). My lab is also recruiting Ph.D. student. If you are interested, please send me your CV to above email.
Postdoctoral position

A postdoctoral fellow position is available at Translational Stem Cell Neurobiology Laboratory at New York Medical College to study and treat brain disorders using molecular, developmental, and/or stem cell approaches. Preferred candidates would have previous experiences in (1) neuronal differentiation of human pluripotent stem cells (2) molecular and cellular analysis of neuronal phenotypes, and (3) animal models of brain diseases. Interested candidates should submit a complete CV, a summary of current and future research interests, and the contact information of three references. More information on Translational Stem Cell Neurobiology can be found at https://www.nymc.edu/faculty/directory/by-name/chung-sangmi/

To apply, please send email to:

Sangmi Chung, PhD.
Associate Professor
Director, Translational Stem Cell Neurobiology Laboratory
New York Medical College
Schung8@nymc.edu

제용공고

1. 기관명: University of Texas Medical Branch (UTMB) at Galveston
2. 홈페이지: https://www.utmb.edu/ncba
3. PI 관련 정보: https://www.utmb.edu/ncfa/faculty/bios/jun-ho-la-phd-dvm
4. 채용 직위: Research Associate III 및 Research Scientist I
5. 자격 요건:
   1) Research Associate III - 기초과학 학사 학위 소지자로서 관련 분야에서 5 년 연구 경력 또는 석사 학위 소지자로서 3 년 연구 경력
   2) Research Scientist I – 박사 학위 (PhD) 소지자 또는 MD, DO, DVM
6. 연구 내용:
   1) 만성 통증 (chronic pain) 실험 동물 모델을 이용한 통증 행동연구 (behavioral study), opto/chemogenetics 기법을 위한 transgenic mouse colony 유지, 관리
   2) 상기 모델에서 전기생리학적 기법 및 Ca²⁺-imaging 기법을 이용한 ex vivo/in vitro 연구
   3) 면역염색, qRT-PCR 등 분자생물학 기법을 이용한 연구
7. 제출 서류: 이력서 (항후에 추천서를 요청할 수 있습니다)
8. 급여:
   1) Research Associate III - $43,360-$47,000 with fringe benefit
   2) Research Scientist I – $48,480-$52,000 with fringe benefit
9. 기타: Galveston 은 Houston 남쪽으로부터 약 50 마일 (80 km) 떨어져 있으며, 전반적인 cost of living 이 낮습니다.
University of Texas at El Paso  
College of Science  
Department of Biological Sciences  
Assistant Professor – Neuroscience

POSITION DESCRIPTION: The Department of Biological Sciences at the University of Texas at El Paso invites applications for a tenure-track Assistant Professor position in the field of neuroscience. The anticipated appointment date is Spring, Summer or Fall 2020. The successful candidate is expected to establish an extramurally funded research program, to teach and mentor undergraduate and graduate students, and to participate in departmental service. The Department of Biological Sciences offers two Ph.D. tracks (Bioscience and Ecology/Evolution) and has faculty that contribute to the NIH-funded Border Biomedical Research Center. The department boasts multiple state-of-the-art core facilities with full-time staff and BSL3/ABSL3 facilities. The core facilities include those focused on mass spectrometry, genomics, tissue culture and high-throughput drug screening, confocal microscopy, bioinformatics and biostatistics. Neuroscience faculty maintain strong collaborative and programmatic ties with several other departments, including Psychology, Pharmacy, Physics, Chemistry, and Computer Science. Applicants are encouraged to visit https://www.utep.edu/science/biology/index.html to see current areas of research.

ABOUT UTEP: Located in one of the largest binational communities in the world, The University of Texas at El Paso is unique among research institutions. UTEP enrolls more than 25,000 students, most of whom are Hispanic. The Brookings Institution in 2017 ranked UTEP as the No. 1 leader in equal access to higher education, based on a combination of research productivity and student social mobility. The University has annual research expenditures of $91 million, maintains an operating budget of $450 million, employs approximately 4,000 people and was recently recognized as a Carnegie R1 research institution. With 170 bachelor’s, master’s and doctoral degree programs available in ten colleges and schools, UTEP is the first national research university serving a 21st century student demographic.

ABOUT EL PASO: Set against the backdrop of the Franklin Mountains in the Chihuahuan Desert, The University of Texas at El Paso is located along the U.S.-Mexico border. El Paso is a highly livable, bicultural community of almost 700,000 people that offers affordable homes and attractive neighborhoods. It has been repeatedly named among the safest large U.S. cities. El Paso experiences more than 300 days of sunshine annually and residents enjoy outdoor activities year-round. The City of El Paso is adjacent to the state of New Mexico and the country of Mexico, making it an ideal venue for academic programs and research studies on topics of national interest, such as bilingual education/language acquisition, border environment and immigration, environmental sustainability and infrastructure, health disparities, and international trade and commerce.

REQUIRED QUALIFICATIONS: Applicants must have a Ph.D. or equivalent degree, postdoctoral research experience, and an exemplary record of research accomplishments.

Outstanding qualified applicants in all areas of neuroscience are strongly encouraged to apply, but special consideration will be given to candidates who utilize electrophysiological, opto-/chemogenetic, behavioral, and/or functional imaging approaches in their research. Teaching experience is preferred, but not required.

APPLICATION PROCEDURES: Review of applications will begin immediately and will continue until the position is filled. Candidates must submit a letter of interest, curriculum vitae, statement of research interests, a brief description of teaching philosophy, and complete contact information for at least three references.

To apply, please visit www.utep.edu/employment

Hiring decisions are based upon budget approval.

In keeping with its Access and Excellence mission, the University of Texas at El Paso is committed to an open, diverse, and inclusive learning and working environment that honors the talents, respects the differences, and nurtures the growth and development of all.
Postdoctoral Researcher Position for Fast Neural Imaging of Brain Functions

Job Description
An opportunity has arisen to employ a Postdoctoral Researcher at Neural Engineering laboratory in Norfolk State University, through the National Science Foundation (NSF) funded project for fast neural imaging technology. The appointment is available from the November 1st, 2019 and for a period of 24 months. The successful candidate will be responsible for developing fast neural imaging technologies. The Postdoc Researcher will work closely with the collaborative research team of Norfolk State University and Eastern Virginia Medical School. Key responsibilities of the position are below.

- Design and implementation of fast neural imaging technology using electrical impedance tomography
- Develop image reconstruction algorithm
- Develop neural sensing electrodes for electrical impedance tomography
- Design and implementation of the software and hardware module for neural sensing data acquisition
- Optimization and implementation of hardware and software design for fast neural imaging.
- Quantitative and qualitative analysis of measured data

Minimum Qualifications
The candidate must have a PhD degree in Electronics, Electrical, Computer Science, Physics or Biomedical Engineering or a very closely related field. Successful candidates must demonstrate their potential to perform research and develop fast neural imaging technology using electrical impedance tomography. Applicant must demonstrate record of accomplishment of researching, scholarly activity and mentoring in the disciplines listed above. Applicant should be able to communicate with a diverse student-body audience, both verbally and in writing, with emphasis applied to a commitment to diversity. The successful applicant should be strongly motivated, have the capability to work independently as well as in collaboration with members of the research team.

How to Apply
Applicants should apply online at http://www.nsu.edu/jobs/. Required documentation includes a letter of interest outlining your qualifications and related experience, a cover letter, a curriculum vita, and three letters of reference. Questions about this position may be directed to Dr. Hargsoon Yoon, Professor, Department of Engineering, 700 Park Avenue, Norfolk, VA 23504, (757) 823-0051, hyoon@nsu.edu.
Seeking Post Doctoral Associate

The Post Doctoral Associates working in Miami Project to Cure Paralysis at the University of Miami Miller School of Medicine (Florida) will be part of a group of dedicated researchers and will have frequent interactions with a broad range of scientists with expertise in molecular biology, neurobiology, genetics, bioinformatics and molecular pharmacology at the Department of Neurological Surgery and Department of Ophthalmology. Previous experiences in primary cell cultures, handling of rodents, histology and RT-PCR are a prerequisite. Experiences in nervous system development and injury research, Crispr/Cas9, shRNA design and bioinformatics are desirable.

**Accountabilities:**
- Perform molecular biology techniques such as site directed mutagenesis, shRNA, Crispr/Cas9, DNA/plasmid cloning, real time PCR.
- Perform rodent in vivo surgeries in CNS injury models.
- Perform primary neuronal (and glial) cell cultures.
- Perform experiments to determine the signaling pathways involved in cell injury responses.
- Present findings at lab meetings, departmental seminars and national and/or international conferences.
- Other duties as assigned: “Job descriptions are not intended, and should not be construed to be exhaustive lists of all responsibilities, skills, efforts or working conditions associated with a job. Management reserves the right to revise duties as needed.”

**Minimum Qualifications (Essential Requirements):**
- Ph.D. or MD in related field
- English verbal/written skills are necessary
- Strong interpersonal communication skills
- Basic computer skills

For those interested in finding more about our work, visit [parklabmiami.com](http://parklabmiami.com)

For applying, send resume to kpark@miami.edu
A postdoc position is available immediately in the laboratory of Prof. Yang, In-Hong at the University of North Carolina, Charlotte. The successful candidate will conduct research in the area of axon regeneration, mitochondria trafficking, the modulation of neural circuitry, and myelination. Candidates should hold a PhD or postdoctoral experience in Neuroscience, Biomedical engineering, Molecular medicine, or a related subject. The experiences in microfluidic platforms are desirable, not mandatory.

Research Interest
- Axon Regeneration
- Mitochondria Trafficking
- Myelination of Axons

Basic qualification
- A recent PhD degree in neuroscience, biomedical engineering, neuroengineering, or related fields.
- Experiences in one or more of the following areas are desired: primary neuron culture, imaging techniques (epifluorescence, confocal) for either in vitro, and animal models.

Appointment Length
This is a full-time position; it will start initially for two year with the possibility of being extended based on performance and sustainable funding availability.

Interested candidates should send the following in their application to apply:
- Cover letter describing candidate’s research accomplishments
- CV
- Two reference contacts

Please send your application package to In Hong Yang, inhong.yang@uncc.edu, iyang3@uncc.edu
POSTDOCTORAL FELLOW

Neurodevelopmental and Neuroprotective Signaling Mechanisms

A postdoctoral position is available in the Laboratory of Molecular Signaling, National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health, located in Rockville, Maryland. We are investigating novel signaling mechanisms in neurodevelopment and neuroprotection leading to a potential link to neurodegenerative conditions and/or a therapeutic strategy for CNS injury in adulthood. For further information on our research, please visit the web site (http://irp.nih.gov/pi/hee-kim).

Candidates should have a Ph.D. or M.D. degree in neuro/cell biology or biochemistry with less than five years of postdoctoral training and demonstrated experience in molecular biology. A creative and highly motivated individual who is qualified in some but not necessarily in all these areas will also be considered. Strong verbal and written communication skills are desirable. Salary will be set commensurate with experience and accomplishments as well as NIH guidelines for intramural research training awards.

To apply, candidates must submit a letter of application, along with CV, including a list of publications, and three letters of recommendation, to Dr. Hee-Yong Kim at hykim@nih.gov.

NIH is an agency of the U.S. Department of Health and Human Services. All positions are subject to a background check. Women and minorities are strongly encouraged to apply. The NIH is dedicated to building a diverse community in its training and employment programs.

DHHS and NIH are Equal Opportunity Employers