1. Job Title
Project Assistant Professor in the Division of Cerebral Circuitry (one or two positions)

2. Research Field
The research focus in the Division of Cerebral Circuitry is to understand the structure of cortical neural networks by analyzing large-volume electron micrograph data sets (LVEMD). We will implement automated image registration, segmentation, reconstruction, and computational analyses of those data in order to analyze large data sets more efficiently. We believe this will significantly advance our understanding of the structure-function relationships of the brain. We call for talented applicants who can actively promote these studies with deep knowledge, experience, potential ability or motivation with either ① Neuroinformatics/Computational neuroscience, or ② Neuroanatomy.

Laboratory techniques to approach the research goal:
① Neuroinformatics/Computational neuroscience
  a) Development/improvement/operation of image analysis applications and/or automated segmentation applications for the LVEMD.
  b) Simulation analysis using neural networks.
② Neuroanatomy
  c) Histological processing of the brain sections for electron microscopy.
  d) Serial electron micrographs acquisition using scanning electron microscopy to obtain the LVEMD
  e) In vivo brain imaging
  f) Correlated light and electron microscopy
  g) Image processing/Data analysis of the LVEMD and/or in vivo brain images

Please note that this position is not for a primary investigator, and is equivalent to a research scientist position in the U.S. and Canada.

3. Qualifications
Applicants should have a Ph.D. degree or an equivalent scientific career.

4. Appointment period
Contract is renewed every year. The longest appointment period is five years until March 31, 2024.
5. Required documents;
   1) Complete CV (in the accompanying form)
   2) List of publications (with full author lists, titles, Journal names, volumes and page numbers)
   3) Two sets of reprints of main publications; 3 papers or less
   4) Research statement (including research interest and future plans; about 600 words)
   5) Recommendation letter(s) (in the accompanying form)
   *The forms can be downloaded from the following URL.
   https://www.nips.ac.jp/eng/recruit/index.html
   Please note that documents will not be returned to applicants.

6. Deadline
   December 20, 2019

7. Start of Employment
   March 1, 2020 or later

8. Others
   (1) Gender Equity
   a) NIPS is promoting a Gender Equity Program by taking various measures to create a workspace where both men and women are able to give full rein to their talents and abilities.
   b) NIPS gives hiring priority to women when they are recognized as equivalent during performance evaluations.
   c) NIPS includes consideration for periods when researchers did not perform research due to leave for maternity, elderly and child care if applicants specify such periods in their CV.
   (2) Handling of personal data
   Personal information in the application are handled in strict confidentiality, and will not be utilized for any other purposes. Application documents will not be returned.

9. Contact details
   Please send the application by mail to the address below:
   The Personnel Section, Okazaki Administration Center, NINS
   Nishigonaka 38, Myodaiji, Okazaki, Aichi 444-8585, JAPAN
   (Please indicate “This mail contains an application form for the Project Assistant Professor Position in the Division of Cerebral Circuitry, National Institutes for Physiological Sciences” on the envelope.)

   Further enquiries should be sent to;
   (About the salary and other benefits)
   The personnel section, Okazaki Administration Center, NINS
(About the research)

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