Call for Applications: Researcher Position

Division of Multisensory Integration Systems, Department of System Neuroscience
National Institute for Physiological Sciences (NIPS)

The Division of Multisensory Integration Systems, Department of System Neuroscience, National Institute for Physiological Sciences (NIPS), invites applications for Researcher positions as outlined below. We would appreciate your recommendation of suitable candidates and your assistance in disseminating this announcement to interested applicants.

Please note that shortlisted candidates may be asked to attend an interview, either in person or online, during the selection process.

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1. Position and Number of Openings

- Position: Researcher
- Number of positions: 1–2
- Affiliation: Multisensory Integration Systems Division (Electron Microscopy Team)
- Head of Division: Ryo Sasaki
- Recruitment Contact: Yoshiyuki Kubota

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2. Research Field and Description

The Electron Microscopy Team of the Division of Multisensory Integration Systems at NIPS conducts research aimed at elucidating neural circuit functions in the cerebral cortex using advanced electron microscopy (EM) techniques.

Our research includes:

- Acquisition of large-scale EM image datasets
- Image processing and connectome analysis
- Computational understanding and modeling of reconstructed neural circuits

- Integrated studies combining *in vivo* two-photon microscopy with electron microscopy to investigate learning and memory mechanisms

We are seeking highly motivated researchers who are willing to actively participate in these projects and collaborate closely with Dr. Yoshiyuki Kubota, Project Researcher and group leader of the EM team.

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3. Qualifications

Applicants must hold a Ph.D. degree or possess research achievements equivalent to a doctoral degree, and must meet at least one of the following criteria:

1. Strong expertise in programming languages such as Python, computer coding and scripting, with experience or strong interest in developing methods for image processing and analysis of large-scale volume EM datasets, and a keen interest in cortical connectomics.
2. A strong interest in cortical neural circuit (connectome) research, with experience in electron microscopy observation, or strong motivation to acquire such expertise.
3. A strong interest in learning and memory research, with substantial experience in *in vivo* imaging experiments using two-photon microscopy.

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4. Term of Appointment

- Appointment is renewed annually, up to March 31, 2029 at the latest.

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5. Application Documents

Applicants should submit the following documents:

1. Curriculum Vitae (format free, with a recent photograph)
2. List of Research Achievements, including:
   a) List of publications (include all authors, title, journal name, volume, pages,

and year of publication; separate peer-reviewed original articles from reviews/books; papers in press may be included; manuscripts under review or in preparation should not be included)

b) List of recent conference presentations and proceedings

3. Record of competitive research funding (e.g., MEXT KAKENHI)
4. Summary of past research, motivation for application, and future research plans (approximately 2,000 Japanese characters or equivalent in English)
5. Reprints (pdf file) or copies of up to three major publications
6. Letter(s) of recommendation (one or more), or alternatively, the name and contact information (telephone number and email address) of at least one person who can be contacted for reference

Submitted documents will not be returned.

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6. Application Procedure

Please submit documents (1)–(6) above by email or by postal mail (stored on electronic media) as Word or PDF files with a total file size not exceeding 10 MB.

Submission Address:
Yoshiyuki Kubota (yoshiy@nips.ac.jp)
Electron Microscopy Analysis Team
Division of Multisensory Integration Systems, Department of System Neuroscience
National Institute for Physiological Sciences
5-1 Myodaiji-Higashiyama, Okazaki, Aichi 444-8787, Japan
Tel: +81-564-59-5280

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7. Application Deadline

- March 31, 2026 (Tuesday)
  Applications may be closed earlier once suitable candidates are selected.

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8. Start Date

- As early as possible after the selection decision (negotiable).

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9. Salary and Benefits

- In accordance with the regulations of the National Institute for Physiological Sciences
- Social insurance coverage provided

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10. Contact for Inquiries

For administrative procedures or details regarding the position:

Yoshiyuki Kubota, Project Researcher
Electron Microscopy Analysis Team
Division of Multisensory Integration Systems, Department of System Neuroscience
National Institute for Physiological Sciences
Email: yoshiy@nips.ac.jp
Tel: +81-564-59-5280
(Secretarial staff: Ms. Araki / Ms. Okudaira)

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11. Additional Information

1. Protection of Personal Information
   In accordance with the Act on the Protection of Personal Information, all application materials will be used solely for the purpose of recruitment selection and will not be disclosed, transferred, or loaned to third parties without justifiable reason.
2. Equal Opportunity and Gender Equality
   - NIPS complies with the Equal Employment Opportunity Act and actively promotes gender equality.

- When candidates are evaluated as having equivalent achievements, female applicants will be positively considered.
- Periods of maternity leave, childcare leave, or caregiving leave may be taken into consideration if clearly stated in the application documents.