

**Opening for Principal Investigator (Full Professor)
at the International Research Center for Neurointelligence,
The University of Tokyo Institutes for Advanced Study**

The International Research Center for Neurointelligence (IRCN), based at The University of Tokyo Institutes for Advance Study in Japan, is seeking pioneering, enthusiastic, collaborative, and open-minded scientist(s) to establish a research program in neuro-inspired artificial intelligence (A.I.). We are particularly interested to promote in-house collaboration between theorists and experimentalists around emergent principles of brain development and its disorders.

Human and artificial intelligence have much to learn from each other. At IRCN, we focus on brain development and its disorders to inspire novel A.I. as well as its application toward disease prediction and prevention. Our Team Science approach has made breakthrough discoveries in five areas: Neuromodulation (reinforcement learning), Critical Period Mechanisms, Social Learning, Intrinsic Activity and Predictive Coding. We are now seeking exceptional candidates for the role of Principal Investigator (Professor) to integrate these findings into innovative A.I. This fusion of basic and clinical neuroscience with computational approaches is actively supported by state-of-the-art core facilities in cellular and human imaging, data science and gene targeting tools.

IRCN was originally launched in October 2017 as a World Premier International Research Center Initiative (WPI) of the Ministry of Education, Culture, Sports, Science and Technology (MEXT). Through the WPI mechanism, IRCN established a research and administrative vision for an international ecosystem to attract the best scientists from around the world to Japan. IRCN accommodates and encourages diverse scientists from all countries to carry out novel, ambitious, cutting-edge research toward a value-added trans-disciplinary global impact. For further information about IRCN, see: <https://ircn.jp/en/>

IRCN welcomes all qualified candidates, regardless of nationality or gender, and works positively to eliminate biases. Notably, IRCN has an extensive overseas research network, encourages and supports our candidates' close collaborations with them. Our institutional language is English; Japanese language skills are not required. Support for researchers to live and thrive in Japan is provided by our talented staff. Start-up support is provided during the initial period of the PI's laboratory. Position details are provided below.

1.	Title / Number of positions / Subject Area	Principal Investigator of IRCN (Full Professor), one.
2.	Subject Area	Athlete Cognitive Neuroscience (understanding the causes of “yips” – cognitive inability to execute routine motor skills – in sports and applications including treatment development)
3.	Starting Date	August 1, 2024, or earliest possible date thereafter
4.	Form of employment	Full-time tenured (Faculty member without fixed-term of

		employment)
5.	Term of Employment	No fixed term. Note that appointment does not extend beyond the end of the academic year in which he or she attains the retirement age (65)
6.	Probationary Period	Six months from the date of hiring. Salary and benefits remain the same during the probationary period.
7.	Place of Work	International Research Center for Neurointelligence, The University of Tokyo, Institutes for Advanced Study 7-3-1 Hongo Bunkyo-ku Tokyo, 113-0033 JAPAN Scope of change of place of work: Place where the University assigns (In principle, you will not be ordered to be reassigned or assigned to work on an external assignment against your will. Also refer to Article 4 of the University of Tokyo Regulations on Conditions of Employment of Academic Staff).
8.	Affiliation	International Research Center for Neurointelligence, The University of Tokyo, Institutes for Advanced Study
9.	Job Description	Perform the following duties in “the Athlete Cognitive Neuroscience Project on Yips Research and its Development and Application”* <ol style="list-style-type: none"> 1. Project management (including establishment of the project) 2. Establishment and promotion of collaboration with RIKEN Center for Brain Science (CBS) and Advanced Comprehensive Research Organization (ACRO) of Teikyo University. 3. Establishment and promotion of collaboration with related departments within UTokyo. 4. Promotion of yips (cognitive inability to execute routine motor skills) research from the perspective of Athlete Cognitive Neuroscience. Specifically, conduct observations and data analysis of yips status and brain activity in skilled athletes at an early stage of the project. In the future, use the results to help advance IRCN's institutional efforts to develop neuro-inspired AI and conduct research to develop new methods of yips rehabilitation for clinical application. 5. In addition, in order to effectively implement these activities, make efforts to further collaborate with external organizations and obtain external funding. <p>In addition to the above, perform the following duties to contribute in advancing fusion research at IRCN.</p>

		<p>6. Pursuing transdisciplinary research and collaboration through Team Science.</p> <p>7. Active participation in center events inside/outside of IRCN in collaboration with other IRCN labs.</p> <p>* This is a project to be initiated in the IRCN in FY2024, with a five-year period ending at the end of FY2028. The period of activity may be extended based on performance and results. Interdisciplinary research based on cutting-edge cognitive neuroscience will be conducted in collaboration with RIKEN and Teikyo University, as well as other departments within the University, to understand the mechanisms of yips caused by the conflict between human consciousness and performance, and to develop treatment methods. The results obtained can be used to support senior athletes and para-athletes, and to develop new methods of sports rehabilitation. The project aims to provide meaningful results for the society in our country, which is becoming increasingly diverse as the population ages.</p> <p>Scope of change of the Job Description: Reassignment, concurrent appointment or external assignment may be ordered (In principle, you will not be ordered against your will. Also refer to Article 4 of the University of Tokyo Regulations on Conditions of Employment of Academic Staff).</p>
10.	Working Hours	Under the discretionary work system for specialized work, the employee is considered to work 7 hours and 45 minutes per day and 5 days per week (38 hours 45 minutes per week).
11.	Days off and holidays	Saturdays and Sundays; Statutory public holidays of Japan; Year-end and New Year holidays (December 29 through January 3)
12.	Paid Leaves	Annual paid leaves, refreshment leave, congratulatory or condolence leave, etc. (In accordance with The University of Tokyo regulations)
13.	Salary & Benefits	<ul style="list-style-type: none"> ● Salary: To be determined based on academic background and work experience. Salary increase system is available. ● Allowances: Bonuses (twice a year), commuter allowance (When conditions apply. JPY55,000 per month at maximum) and other allowances in accordance with UTokyo rules and regulations.
14.	Available insurances	Eligible for MEXT* Mutual Aid Association membership, employees' pension, employment insurance, and workers'

		accident compensation insurance. (*MEXT: Japan's Ministry of Education, Culture, Sports, Science and Technology)
15.	Qualifications	<ol style="list-style-type: none"> 1) Candidates should hold a doctoral degree (Ph.D. or equivalent). 2) Candidates should have their own original research plans in the subject specified above and demonstrated abilities to acquire external or competitive funds to promote their own research. 3) Candidates should be qualified to offer graduate-level instruction and classroom teaching in English with demonstrated capacity to supervise and teach graduate students. 4) Candidates should have an international research network in a relevant subject and a strong commitment to the development and the strategic and operational management of the institute.
16.	Application documents	<p>Please prepare the following materials in PDF format in English.</p> <ol style="list-style-type: none"> 1. 1-to-2-page cover letter including a statement of interests. 2. Curriculum vitae including educational background, professional experience, honors and awards, mailing address, and e-mail address. 3. Resume in UTokyo Format Please download and use the University of Tokyo Standard Resume Format. (https://www.u-tokyo.ac.jp/en/about/jobs.html) 4. List of research achievements classified into the following categories (peer-reviewed journal papers, refereed international conference proceedings, books authored, reviews, and intellectual property). Please indicate publications in which you are the first or corresponding author with an asterisk (*). 5. List of acquired external research grants, fellowships, or competitive funds. The type, project title, period of research, and budget should be provided for each item. Please specify applicant's contribution as a principal or cooperative investigator. In case where you act as co-investigator, please specify the total and allocated budgets. 6. Abridged list of major honors and awards, academic society activities, editorial activities, grant proposal

		<p>review panels, other service-related activities, committee activities, and social contribution or outreach activities.</p> <p>7. List of twenty most important publications.</p> <p>8. Outline of research achievements and current research objectives. Please limit length to three A4 / letter size pages.</p> <p>9. Statement of research plans at IRCN that specifically address neuro-inspired A.I. through a developmental vision. Please limit length to three A4 / letter size pages.</p> <p>10. Outline of past and current teaching activities and list of classes taught. Please specify the language used in classes. Please limit length to two A4 / letter size pages.</p> <p>11. Statement of teaching and public outreach plans. Please limit length to one A4 / letter size page.</p> <p>12. List of names and contact information of ten or more references, primarily from outside Japan (Applicants do not need to request reference letters at the time of application). The name, affiliation, postal address, telephone number, e-mail address, and their relationship to the applicant should be provided.</p>
17.	Submission Method	Please submit your application to the address specified in "19. Contact" by May 10, 2024, 17:00(JST). Please combine the documents in ONE PDF file. The application materials will not be returned. We will notify you via e-mail upon receipt of your application within 5 business days.
18.	Application Deadline and selection process	May 10, 2024, 17:00(JST). Selected candidates will be interviewed and requested to give a public seminar on their research in English.
19.	Contact	For inquiries, please contact Ms. Asako Sato (asako#ircn.jp). (Please replace # with @ before using this email address)
20.	Recruiter name	The University of Tokyo
21.	Status of measures to prevent passive smoking	Smoking is prohibited on the premises (smoking areas are located outside)
22.	Other notices	<p>(1) Submitted documents will not be returned. Personal information is handled carefully according to the Privacy Policy of the University of Tokyo, and will be used only for the job selection process.</p> <p>(2) Travel cost will not be paid in screening process.</p>

		<p>(3) The University of Tokyo promotes gender equality and actively encourages women to apply.</p> <p>(4) Employment may be extended for periods of interruption due to childbirth leaves (before and after) and childcare leave (Also refer to Article 3 of the University of Tokyo Regulations on Conditions of Employment of Academic Staff).</p> <p>(5) If you are personally in contract with foreign governmental bodies, corporations or universities, or you are in receipt of a large benefit (financial or any other form) from foreign governmental bodies during the period of your employment, the provisions of the Foreign Exchange and Foreign Trade Act (FEFTA) may prohibit or restrict the sharing of technology that are designated as controlled technology possibly making it difficult for you to fulfill your duties as an academic or administrative staff of the university as a result. Therefore, in such cases it is necessary to keep such contracts/benefits within the scope where it does not hinder the sharing of technologies necessary for your duties by the university.</p>
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