

Job Opportunity in Institute for Glyco-core Research, at Nagoya University

1	Title	Recruitment for Designated Associate Professor, designated lecturer or designated assistant professor (non-tenure track faculty position)
2	Affiliation	Institute for Glyco-core Research (iGCORE)
3	Content of job information	<p>[Center's Overview and Recruitment Policy]</p> <p>The Tokai National Higher Education and Research System (THERS)—a federation of Nagoya University and Gifu University—aims to become one of the world's premier research universities and to establish nationally and internationally recognized centers of excellence in its areas of strength. As part of this vision, the two universities jointly founded the Institute for Glyco-core Research (iGCORE), which since its launch in 2021 has advanced cutting-edge life-science research that fuses glyco-omics with mathematical and computational analytics.</p> <p>Within the current fiscal year, iGCORE will create a new “Big-Data & AI Platform Division” (tentative name). We are therefore recruiting a research-oriented IT Coordinator who will serve as the inaugural head of this division. After taking up the post, you will inherit operation of iGCORE's first-generation CPU-GPU hybrid HPC cluster and will oversee the planning, deployment, operation, and maintenance of the second-generation system now under design. Your mandate is to put in place an IT-management framework that combines scalability, high availability, and robust information security, enabling the secure, high-speed processing of petascale glyco-related life-science data and associated clinical information while driving the institute's digital transformation.</p> <p>In parallel, you will develop analytical technologies that integrate glyco-omics with genomic, proteomic, and other multi-omics data by harnessing generative AI and deep-learning approaches, and you will use this platform to lead applied research in AI-driven drug discovery and biomarker identification. Acting as a hub that links biology, medicine, information science, and industry, you will design collaborative projects, secure large-scale external funding in partnership with domestic and international research institutions and companies, and foster the next generation of researchers through workshops and seminars for graduate students and early-career scientists.</p> <p>[Job Description] (Right after being hired)</p> <ol style="list-style-type: none"> 1. Lead the development and applied research of glycan × multi-omics integration and AI-driven drug-discovery algorithms, pursuing publication, patenting, and the acquisition of external funding. 2. Design transdisciplinary projects and serve as a hub that brings together researchers from biology, medicine, information science, and industry to launch collaborative studies.

		<p>3. Oversee the institute's HPC, storage, and network infrastructure—including user and security administration, OS/middleware upgrades, incident response, backup/DR design, and performance tuning—and take a leading role in the Phase-2 hybrid HPC renewal team that will progressively augment the existing CPU cluster with additional GPU nodes.</p> <p>4. Promote international collaboration by spearheading joint research, data-sharing initiatives, and participation in global consortia with overseas institutions and companies</p> <p>5. Manage the new division and cultivate talent as its head, recruiting and training staff while providing technical guidance and seminars for graduate students and early-career researchers.</p> <p>The duties described in item 3 will be handled by the staff of the Institute and the staff in charge of information on campus, and will be in charge of outsourcing to an external contractor as necessary.</p> <p>(Scope of change) Tasks designated by THERS</p> <p>[Work Location] (Right after being hired) <ul style="list-style-type: none"> Nagoya University (Higashiyama Campus) Furo-cho, Chikusa-ku, Nagoya, Aichi Japan </p> <p>(Scope of change) <ul style="list-style-type: none"> Work location designated by THERS </p> <p>[Number of Position] 1</p> <p>[Start Date] From October 1st, 2025 (negotiable) * The start date can be earlier than October 1st.</p>	
4	Research field	large category	Informatics
		small category	Life, health and medical informatics / Computer system / Computational science / Database / Information security
5	Employment status	<p>Term Appointment (Full-time) until March 31st, 2027</p> <p>(The appointment is renewable based on work performance, attitude, and ability, as well as budget availability, etc. In addition, the maximum term of appointment is until March 31st, 2033)</p>	

6	Qualifications	<p>Qualifications:</p> <p>Applicants must meet all of the following criteria:</p> <p>① Applicants must satisfy one of the following conditions:</p> <ul style="list-style-type: none"> • Hold a doctoral degree in a science, engineering, or information-related field (including equivalent degrees awarded by foreign institutions); or • Hold a master's degree in a science, engineering, or information-related field and have at least three years of research or IT-related professional experience (※1); or • Hold a bachelor's degree and have at least five years of research or IT-related professional experience (※1). <p>② Demonstrate a strong willingness to take initiative in planning and executing university-led research projects and managing HPC and data infrastructure, as well as the ability to communicate and collaborate effectively with researchers and engineers both domestically and internationally.</p> <p>※1: IT-related professional experience includes HPC/cluster operations, system development, cloud infrastructure management, DevOps, etc.</p> <p>Applicants with any of the following experiences are especially encouraged to apply:</p> <ul style="list-style-type: none"> • Experience in developing and operating generative AI and deep-learning models—such as Transformers, GNNs, and diffusion models—including life-science applications like molecule generation, protein design, structure prediction, and drug-target identification. • Experience in bioinformatics analysis of next-generation sequencing or mass spectrometry data • Experience in data analysis or machine learning/system tool development using Python, R, C/C++, Go, etc. • Experience designing and implementing reproducible pipelines using Docker/Singularity, CWL/Nextflow, etc. • Experience managing and tuning Linux-based CPU-GPU hybrid HPC clusters or cloud HPC environments (e.g., AWS Batch, GCP HPC) • Experience in job/container orchestration using Slurm, PBS, Kubernetes, etc. • Experience in developing and operating security policies based on Zero-Trust Network, ISMS, or NIST standards • Proven track record of securing large-scale research grants (e.g., HPCI, AMED, JST) or managing collaborative research with industry partners
7	Compensation	<p>[Working Conditions and Benefits]</p> <p>(*conditions and benefits are determined by the employment and payroll regulations of the THERS)</p> <ul style="list-style-type: none"> • Working Hours: 38 hours and 45 minutes per week, 7 hours and 45 minutes per day (flexible work hours)

		<ul style="list-style-type: none"> • Holidays: Saturdays, Sundays, national holidays, year-end and new year holidays, and summer holidays • Salaries and Benefits: determined by the payroll regulations (annual salary scheme) <p>- Annual salary examples (The amounts listed below are only examples provided in the regulations.)</p> <p>Case 1 Associate Professor (full-time) level</p> <p>-- Minimum*: JPY 7,200,000</p> <p>-- Maximum*: JPY 9,240,000</p> <p>Case 2 Lecturer (full-time) level</p> <p>-- Minimum*: JPY 6,300,000</p> <p>-- Maximum*: JPY 7,440,000</p> <p>Case 3 Assistant Professor (full-time) level</p> <p>-- Minimum*: JPY 3,240,000</p> <p>-- Maximum*: JPY 6,840,000</p> <p>*The minimum and maximum amounts will vary depending on performance.</p> <ul style="list-style-type: none"> • The job title (Designated Associate Professor, Designated Lecturer, or Designated Assistant Professor) will be determined based on a comprehensive assessment of the candidate's academic degree, experience, and accomplishments. • Social Insurance: MEXT mutual union, unemployment insurance, and occupational injury insurance • Staff housing is available in the case of vacancy.
8	Application period	Closing date for applications is 5:00 p.m. on June 30th, 2025, Japan Standard Time.
9	Application /selection /notification of result /contact details	<p>Applications to include the following submitted on an A4-size paper.</p> <ol style="list-style-type: none"> 1. Curriculum Vitae (CV) (with a photo, telephone number and email address) (see the attachment). 2. Resume of work experiences (see the attachment) 3. Record of academic achievements (free format. classify into original papers, review papers, books, external funds, patents, etc., and specify whether or not the papers are peer-reviewed.) 4. Description of your expectations and hopes in working as a member of the institute (free format. approximately 1000 words) and Available date to start working at the institute 5. Contact details of two (2) references: include names, affiliations, telephone numbers, and email address). 6. Written oath (see the attachment) 7. Declaration of applicable specific categories, Flowchart for Determining

	<p>Applicable Categories (see the attachment)</p> <p>8. Confirmation Letter regarding the Applicability of the Specific Categories for Compliance with Article 25(1) and (2) of the Foreign Exchange and Foreign Trade Act (see the attachment)</p> <p>If you have had periods of interruption or delay in your research activities due to reasons such as childbirth, childcare, caregiving, illness, etc., you may include this information in your CV. Our university ensures that you will not be unfairly evaluated for including such information.</p> <p>In November 2021, in accordance with the clarification of the scope of control for “deemed exports” under the Foreign Exchange and Foreign Trade Act (“FEFTA”), some provision of sensitive technology to faculty members and students by universities and research institutions has become subject to control under the FEFTA. Consistently with this change, when applying for faculty positions or to study at the University, faculty, staff, and students will be required to submit a “Declaration of applicable specific categories” based on the “Flowchart for determining applicable specific categories.” Faculty, staff, and some students will also be required to submit a “Letter of confirmation” at the time of their recruitment or admission.</p> <p>*You may download forms (attachment): https://nuss.nagoya-u.ac.jp/s/wAzyyxo7wQcMKfF</p> <p>(Submission)</p> <p>Please submit by e-mail to igcore_at_t.thers.ac.jp, and write the title "Application [Research-Oriented IT Coordinator] (Your name)". (Please replace _at_ with @ when sending an email).</p> <p>The application must arrive by 5:00 p.m. on June 30th, 2025, Japan Standard Time.</p> <p>Application documents will not be returned. In accordance with the THERS, your personal information is used only for the purposes of screening and will not be used for any other purposes.</p> <p>(Screening Process, Notification)</p> <p>Results of the document selection will be notified to successful applicants by post or by email within one month after the close of application period. Shortlisted candidates will be given a chance to make their presentations and undergo an interview selection at any time.</p> <p>(In the interview, applicants will be questioned on the degree of their understanding of research management in iGCORE, the level of understanding of</p>
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		<p>one's own role , cooperativeness, and communication skills, etc.)</p> <p>Note: All travel/accommodation expenses and other incidental expenses incurred for the interview will be borne by the applicant.</p> <p>(Contact)</p> <p>Mizuno Munechika,</p> <p>Address: Administration Division, Institute for Glyco-core Research , Nagoya University, Tokai National Higher Education and Research System, Furo-cho, Chikusa-ku, Nagoya, Aichi 464-8601, Japan.</p> <p>email: igcore_at_t.thers.ac.jp</p> <p>(Please replace _at_ with @ when sending an email)</p> <p>Inquiries must be made by email. Please write the title "Recruitment [Research-Oriented IT Coordinator]".</p>
10	Additional information	<p>Nagoya University promotes gender equality and employment of foreign teaching staff. All qualified applicants with excellent academic records and skills regardless of gender and nationality are encouraged to apply. We look forward to receiving your application.</p> <p>Additionally, our university actively promotes diversity and work-life balance. For more details, please refer to the following URLs:</p> <p>Gender Diversity Center Website: https://www.kyodo-sankaku.provost.nagoya-u.ac.jp/en/</p> <p>Diversity, Equity, Inclusion & Belonging (DEIB) Declaration: https://www.thers.ac.jp/about/declaration/deib/index.html</p>