

IMSS24-1 Associate Professor

Job No.	IMSS24-1
Title	Associate Professor
Number of Job Opening	1 Person
Inst./ Lab.	Synchrotron Radiation Science Division II, IMSS
Term	No term Limit until 63
Start of the term	As early as possible after the decision of successful candidate
Appl. Deadline	Application due date (to reach KEK) is noon on Wednesday July 31, 2024 (JST)

Job Description

The Institute of Materials Structure Science (IMSS), one of the Inter-University Research Institutes, promotes advanced and multiple use of four types of quantum beams, synchrotron radiation, neutrons, muons and slow positrons, in materials and life sciences.

The successful candidate belongs to the Structural Biology Section of Synchrotron Radiation Science Division 2 and is expected to lead research on structural biology of membrane proteins using cryo-electron microscopy (cryo-EM) and synchrotron radiation, and to promote the development and technical advancement of experimental and analytical methods for such research. In addition, he/she will also support the joint usage of cryo-electron microscopy.

The more details of the job description are shown here.

<https://www2.kek.jp/imss/eng/employment/IMSS24-1-e.html>

Qualification

Person with the ability of research and education.

Method of Selection

Applicants on the short list are requested to come to KEK for an interview in principle.

The date of the interview: TBA. Only the applicants who passed our documentary screening will be informed of the details of the interview.

Salary

Salary and various allowances are determined according to the KEK rules. (Annual salary system)

Working Hours

In principle discretionary work system for professional work is applied and working hours will be deemed as 7 hours and 45 minutes per day.

Please submit (A4 size paper (29.7cm x 21cm or similar size))

1) Curriculum vitae (Download the designated form of KEK from [Designated form of KEK](#))

* Please be sure to write the job number IMSS24-1, and the possible date you would be able to start the job at the Institute of Materials Structure Science. Please write your birth date as well.

* If you apply for more than one job openings in KEK, please indicate all the job numbers you apply for and your priorities in your CV.

2) Research experience: The selected publications whose reprints are attached to the application document should be explicitly described with their significance.

3) Publication list: this should be prepared in the following format. Items not applicable may be omitted.

1. List of peer-reviewed original articles

-Provide names of all authors in principle in the same order as in the article and emphasize own name with underline in each reference.

-Each article on the list should be numbered, **and the selected publications should be indicated.**

-Authors, title, journal name, volume number, year and page numbers (first-last) must be included. Order of these items may be changed.

2. List of review articles and books

3. List of other articles (non-peer reviewed articles, conference proceedings, bulletins)

4. List of invited lectures in international conferences/meetings.

5. Miscellaneous, supportive information such as research grants and awards received.

4) Research plan.

5) Reprints of selected publications (about 5 separate papers)

6) Recommendation or reference letter(s) from those referred in CV

(Recommendation or reference letter(s) must be addressed to Prof. Dr. FUNAMORI Nobumasa, Director of IMSS, *Attn.*: Personnel Affairs Unit 1 (Jinji1), KEK.)

How to submit

1) Application documents (CV, Research experience, Publication list, Research plan and Reprints of selected publications)

* Please access our application system from the following URL, fill out the "Application Form" and upload the file.

- URL for the application: <https://kek.kobokanri.powerappsportals.com/en-US/oubo/?id=8f7dba95-9902-ef11-9f89-6045bd62f86d>

** Please combine all application documents to a single PDF before uploading.

*** We cannot accept submissions by e-mail attached with application documents.

**** KEK will send emails from the address < jinji-kobokanri@a.kek.jp > to the address provided your application. Please check the email settings and make sure to receive them.

2) Recommendation or reference letter(s)

* Please request your referee to upload the letter to our application system from the following URL:

<https://kek Kobokanri.powerappsportals.com/en-US/suisen/?id=8f7dba95-9902-ef11-9f89-6045bd62f86d>

** Please name the file "*name of the nominee, name of the referee.pdf*" when uploading.

(Attention) If you do not receive an automatic reply mail from the system within a few hours, please contact us <jinji1@ml.post.kek.jp>.

For more information: please contact

Prof. SENDA Toshiya, Head of Synchrotron Radiation Science Division 2, Institute of Materials Structure Science, KEK.

E-mail: toshiya.senda@kek.jp Tel: +81 29-879-6178

Others

- 1) KEK is promoting gender equality. In accordance with the intent of "Basic Act for Gender Equal Society", when the finalists for a position comprise both males and females whose qualifications and merit, including experiences, education, research achievements and social contributions, have been deemed equal, preference will be given to the female candidate.
- 2) An option for working at home is available to improve work-life balance or to cope with exceptional working environment.

[Go to KEK Job Opportunities](#)

Details of the job description

We, Synchrotron Radiation Science Divisions 1 & 2, aim to open up new scientific fields using synchrotron radiation and recently introduced cryo-electron microscopy (cryo-EM), and to turn out researchers who can be actively involved in a wide range of fields in Japan and abroad in future. Therefore, we are looking for researchers who are willing to produce outstanding research achievements through making the best use of the position as a member of IMSS, and to contribute to the development of synchrotron radiation science from a broad perspective, regardless of their field of expertise.

The researchers in the Structural Biology Research Section of Synchrotron Radiation Science Division 2 have organized the Structural Biology Research Center (SBRC) with researchers from other divisions to promote structural biology research. The SBRC conducts structural biology research using synchrotron radiation X-rays for crystal structure analysis and cryo-electron microscopy. We combine experimental techniques of biochemistry and molecular biology to elucidate the molecular mechanisms of functional expression of biological macromolecules. In addition, we have collaborated with a wide range of life science researchers to elucidate the biological significance of target biological macromolecules.

【HP of SBRC】 <https://www2.kek.jp/imss/sbrc/eng/>

The successful candidate is expected to conduct structural studies of biological macromolecules, especially on membrane proteins, using crystallography and cryo-electron microscopy in collaboration with domestic and international researchers. He/she is also expected to provide user support and participate in the technical advancement of experiments from sample preparation to structural analysis for X-ray crystallography and cryo-EM operated as an Inter-University Research Institute Corporation and to open up a new research field of membrane proteins. Since the SBRC is also involved in the BINDS (Basis for Supporting Innovative Drug Discovery and Life Science Research) project of the Japan Agency for Medical Research and Development (AMED) to support domestic life science researchers and to develop advanced methods in structural biology, he/she will participate in the project and be involved in relevant research, user support, and management. In addition, the SBRC has a strong commitment to international activities. Therefore, we strongly desire individuals who can strengthen our links with foreign countries.