



जवाहरलाल नेहरू उन्नत वैज्ञानिक अनुसंधान केंद्र (ज.ने.उ.वै.अ.कें.)
विज्ञान और प्रौद्योगिकी विभाग, भारत सरकार के तहत एक स्वायत्त संस्था तथा सम विश्वविद्यालय संस्था
Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR)
An Autonomous Institution under Department of Science and Technology,
Govt of India and an Institution Deemed to be University

Postdoctoral Fellow for Synchrotron Support at Indian Beamline in the Photon Factory, KEK, Tsukuba, Japan

Applications are invited for the Postdoctoral Fellows for pursuing research in frontier areas of Materials Science particularly involving Nanomaterials using X-ray Synchrotron facility at Indian Beamline at Photon Factory, KEK, Japan. For details about Beamline Project/Facility, visit website: <http://www.jncasr.ac.in> The fellowships will be awarded from the project 'Indian Beamline at Photon Factory, KEK, Tsukuba Phase III' under the National Programme in Nano Science and Technology (NPNST), Department of Science and Technology (DST), Government of India.

Eligibility, term and other details

The applicant should either hold a Ph.D. degree in Science or Engineering (preferably in the areas of Physics, Chemistry or Materials Science) or have submitted the final synopsis for the Ph.D. thesis involving research experience in X-ray scattering techniques. Preference will be given to the candidates having experience in synchrotron studies involving high pressure, low temperature or surface scattering techniques like reflectivity, GISAXS. The candidate (below 40 years of age as on 15 October 2024) should have a good academic record and proven interest in Nano Science and Technology.

Those holding a permanent position are also encouraged to apply for a deputation through proper channel, preferably sending an advanced copy by e-mail.

The selected candidate will be the local in-charge of the Indian beamline and will work at KEK to support users of the Indian beamline (posted in KEK for approximately 6 months or more depending on activities in the beamline) and remaining period of the year in India. The selected person can also have own beamtime to carry out research activities and will be provided opportunities to collaborate with scientists in KEK, as also visiting scientists from India. The term of the position is one year. However, depending on the performance of the candidate, the contract term may be extended for a further period.

Remuneration

1. Candidates with Ph.D. degree when posted at KEK, Japan will be paid a remuneration approximately Rs 287,000 per month (equivalent to USD 3,500). When posted in India, they will be paid Rs 67,000 per month plus applicable HRA.
2. Candidates who have submitted the final synopsis for Ph. D. thesis or submitted Ph.D. thesis but not awarded the degree, will be paid approximately Rs 221,000 per month (equivalent to USD 2,700) when posted in Japan and Rs 50,000 per month plus applicable HRA when posted-in India.

The remuneration paid in Japan as mentioned above, is inclusive of the subsistence allowance.

Mode of selection

The candidates will be selected based on the recommendation of a Selection Committee after the scrutiny of their biodata, research proposal and performance in the interview. Applicants' academic and research record in X-ray synchrotron related experiments, and the merit of the proposed research will be the key factors for consideration.

Mode of application

Candidates may submit their application along with the updated biodata, list of publications (attach reprints of 2 important papers), copies of all the available certificates (B.Sc., M.Sc., M.Tech., Ph.D.), one-page synopsis of the Ph.D. thesis, a summary of research carried out and a summary of the proposed research if any. The candidate should request one referee to send their confidential evaluation directly to the email ID given below. A declaration stating that if selected, the candidate will complete the tenure of the fellowship should also be furnished.

Interested candidates can send their applications along with the enclosures in the pdf form to the Faculty Coordinator of the project: **Prof. Sebastian C Peter**, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bengaluru 560 064, India to the e-mail: india-japan@jncasr.ac.in.

The last date for receiving applications is **10 November 2024**.