

2022-01 Recruitment Announcement for Postdoctoral Research Associate Position at the IBS Center for Multidimensional Carbon Materials

Postdoctoral Research Associate Position available at the IBS Center for Multidimensional Carbon Materials

The center for Multidimensional Carbon Materials (center director: Rodney S. RUOFF) is a Campus Center of the Institute for Basic Science (hereinafter, IBS). The IBS is a national research institute established in accordance with Article 14 of the “Special Act on Establishment of and Support for International Science and Business Belts.” IBS aims to discover creative knowledge and secure original technologies through world-class basic science research. The IBS Center for Multidimensional Carbon Materials invites creative and dynamic candidates who will join us to achieve our goals.

Recruitment Details

Center (Workplace)	Work Category	Research Area	Required Qualifications	No. of Openings
IBS Center for Multidimensional Carbon Materials (UNIST, Ulsan)	Postdoctoral Research Associate (YSF Team)	The computational study of graphene and other 2D materials growth on insulating substrates	<ul style="list-style-type: none"> – Degree: Doctoral degree (obtained within recent 5 years or to be obtained within 3 months from the appointment start date) – Major: Physics, Materials Science or other related majors – Preference: Applicants with experience in MOKE spectroscopy, low temperature electron transport study, and spintronic are preferred 	1

We seek candidates for Postdoctoral Research Associate¹⁾ position with specialties in physics, materials science, or other related fields. The candidate needs to be fluent in both oral and written English, and will work on projects aimed at detailed study of novel carbon and related materials.

Familiarity with the basic knowledge of device fabrication processing is valued. It is highly desirable that the candidate has working experience with (i) Magneto-Optical Kerr Effect (MOKE) spectroscopy including equipment set up and analysis (ii) studies of various electronic transport phenomena at the carbon and oxide unit devices (iii) electronic transport study within specific conditions such as low temperature high magnetic field.

- 1) **Postdoctoral Research Associate:** A position for research training as well as research participation at the same time, for those who obtained their PhD degrees within the latest 5 years, or are expected to obtain within 3 months from the appointment start dates. The employment term is within maximum three years (e.g., 1+2 or 2+1 years). The employment contract sustains only until the date when the Center exists.

Qualifications and Preferences

[General Qualifications]

- Those who are qualified under the Article 33 of the “State Public Officials Act” and IBS regulations (Refer to the disqualifying factors listed in Article 33.)
- Those who completed mandatory military service or exempt from such service, and permitted to travel abroad (* Those who are eligible for the Military Service Exemption position with his/her own portion, are applicable.)

[Preferences]

- Additional points for persons with disabilities under Articles 3 and 4 of the Enforcement Decree of the Act on the Employment Promotion and Vocational Rehabilitation of Persons with Disabilities
- Additional points for persons eligible for employment assistance under Article 29 of the Act on the Honorable Treatment of and Support for Persons, Etc. of Distinguished Service to the State
- Women in science, engineering and technology under Article 2 of the Act on Fostering and Supporting Women Scientist and Technicians
- Fluency in English language

Candidate Screening

Stage	Review	Criteria	Required Documents
Stage 1: Document Screening	Relevance to the recruitment area, expertise, excellence in research achievements, work capability, development potential, etc.	Select within three times of the number of candidates than opening positions for the next screening stage. Select applicants with the highest average scores (minimum average score: 80).	<ol style="list-style-type: none"> 1. Curriculum Vitae (CV) 2. List of Research Achievements/Publications 3. Research Plan (free form) 4. Consent Form for Providing Personal Information (form attached) 5. Supporting Documents for those with disabilities or eligible for veterans' benefits (if applicable)
Stage 2: Interview Screening	Expertise in the recruitment area, attitude, adaptability to organizational culture, presentation skills, problem solving skills, proficiency in English language, development potential, etc.	Select the final candidates with the highest average scores (minimum average score: 80) within the number of openings.	※ Notifications to be made to applicants who pass the document screening stage

Application Submission and Period

- Application Submission: Submit the required documents via e-mail to **jyoon@ibs.re.kr**
- Application Period: **February 17th, 2022 ~ 23:59 March 4th, 2022 (KST)**
- All should be written in English.

※ Information on application e-mail

- * Title: [Applying for Postdoctoral Research Associate Position at IBS CMCM] NAME ← applicant's name
- * Content: I am applying for the Postdoctoral Research Associate position at the YSF Team of the IBS Center for Multidimensional Carbon Materials. The research area that I am interested in is ooo.
- * Title of attachments: e.g., 1. CV (NAME ← applicant's name)

Further Information

- The Blind Hiring process will be implemented to reduce the risk of prejudice in the hiring decision and block out any identification details from candidate's resume and application.
- Applicants take full responsibilities for any consequences resulting from omissions and errors found in submitted documents, not submitting required documents, etc. If any information is proven false, the job offer will be withdrawn.
- In the case when selected candidates are disqualified through a background check or a recruitment-related physical examination, the job offer will be withdrawn.
- In the case when selected candidates are found dismissed under Article 82 of the Act on the Prevention of Corruption and the Establishment of the Anti-corruption and Civil Rights Commission, the job offer will be withdrawn.
- In accordance with the blind recruitment method, candidates' personal information pertaining to the prejudice factor will not be provided to the screening committee.
- The submitted documents may be returned when a request of return is made within three months from the announcement of recruitment results under Article 4 of the Enforcement Decree of the Fair Hiring Procedure Act.
- No candidates may be hired if all candidates are found unsuitable during the screening stages.
- If hired, the work level, annual salary and etc. will comply with IBS standards.
- The expected appointment start date is from/after May 1st, 2022.
 - ※ Appointment schedule is subject to change.
- Workplace: IBS Center for Multidimensional Carbon Materials (Location: UNIST, Ulsan)
- Inquiries: Responsible staff of the IBS Center for Multidimensional Carbon Materials (Tel.: 052-217-2358, e-Mail: jyoon@ibs.re.kr)