

2022-04 Recruitment Announcement for Postdoctoral Research Associate Positions at the IBS Center for Multidimensional Carbon Materials

The Institute for Basic Science (hereinafter, 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.” The IBS aims to discover creative knowledge and secure original technologies through world-class basic science research.

The IBS Center for Multidimensional Carbon Materials (center director: Rodney S. RUOFF) is a Campus Center of the Institute for Basic Science, and invites creative and dynamic candidates who will join us to achieve our goals.

Recruitment Details

Area No.	Work Category/ Position	Research Area	Required Qualifications	Workplace	No. of Openings
①	Postdoctoral Research Associate	The computational study of graphene and other 2D materials (Theory Group led by Group Leader DING Feng)	<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: Materials Science, Physics, Chemistry, or other related majors – Preference: Applicants with experience in parallel coding, machine learning applications, GPU programming, machine learning force field development are highly preferred. 	UNIST, Ulsan	2
②	Postdoctoral Research Associate	The synthesis and characterization of 2D materials (Theory Group led by Group Leader DING Feng)	<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: Materials Science, Physics, Chemistry, or other related majors – Preference: Experiences with 2D materials synthesis, characterization is essential. Knowledge of metallurgy, twin boundaries, materials growth mechanisms and the experience of metal annealing is highly desired. 	UNIST, Ulsan	1

③	Postdoctoral Research Associate	Electronic transport study of graphene and other 2D materials (YSF Team led by Team Leader JIN Mi-Jin)	<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 low temperature electron transport study, and spintronic are preferred. 	UNIST, Ulsan	1
No. of Openings in Total					4

※ Attached please find the **Job Descriptions** for further details.

※ Multiple applications to the above research areas are unaccepted.

※ The employment term for the positions ① and ② is for **6 months, or up to, but not more than, 12 months.**

- 1) **Postdoctoral Research Associate:** A position for research training as well as research participation, eligible 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, if the Center is determined to be abolished during the contract period.

Qualifications and Preferences

[General Qualifications]

- Those who are qualified under the Article 33 of the “State Public Officials Act” and IBS regulations
- Those who are qualified under the Article 82 of the “Act on the Prevention of Corruption and the Establishment and Management of the Anti-Corruption and Civil Rights Commission”
- Those who completed mandatory military service or exempt from such service, and permitted to travel abroad (* Those eligible for the Military Service Exemption position with his/her own portion, are applicable.)
- Those who have met the required qualifications based on the date of the application deadline

[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	Schedule (expected)	Contents
Application	June 29 th ~ July 14 th , 2022 (16 Days)	<ul style="list-style-type: none"> • (Submission) Requirements via email (jyoon@ibs.re.kr) • (Requirements) ※ <i>Written in English</i> 1. Curriculum Vitae (CV) 2. List of Research Achievements/Publications 3. Consent and Application Form (form attached) 4. Supporting Documents (if applicable) for those with disabilities or eligible for veterans' benefits
Document Screening	July 26 th ~ July 27 th , 2022	<ul style="list-style-type: none"> • (Review Criteria) Relevance to the recruitment area, excellence in research achievements, work capability, development potential, and etc. • (Screening Method) Select within three times of the number of opening positions the candidates with the highest average scores (minimum average score: 80) for the next screening stage ※ Notification via email to the applicants who pass the document screening, for further requirements/procedures for interview screening
Interview Screening	Aug. 8 th ~ Aug. 9 th , 2022	<ul style="list-style-type: none"> • (Review Criteria) Expertise in the recruitment area, presentation skills and attitude, problem solving skills, adaptability to organizational culture, proficiency in English language, development potential, and etc. • (Screening Method) Select the final candidates with the highest average scores (minimum aver. score: 80) within the number of openings ※ Notification via email to the successful final candidate(s)
Appointment	September 19 th , 2022 (from/after)	<ul style="list-style-type: none"> • The appointment schedule is subject to change. ※ In case of any final candidate(s) being unable to start until Dec. 31, 2022, the job offer will be withdrawn.

※ The schedule is subject to change in accordance with the circumstances of the recruitment procedures.

Application Submission and Period

- Application Submission: Submit the required documents via e-mail to **jyoon@ibs.re.kr**
- Application Period: **June 29th, 2022 ~ 23:59 July 14th, 2022 (KST)**
- All should be written in English.

※ Information on application e-mail

- * Title: [IBS CMCM_Research Area: (*select* ①, ② or ③)] NAME ← applicant's name
- * 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.
- 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.
- 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.
- 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.
- Inquiries: Responsible staff of the IBS Center for Multidimensional Carbon Materials (Tel.: 052-217-2358, E-mail: jyoon@ibs.re.kr)