

Open Faculty Positions for Female Only

The Graduate School of Science at University of Hyogo (<https://www.sci.u-hyogo.ac.jp>) invites applicants for three full-time positions.

1. Position titles and number of positions: Three female members in Full-Time Professors and Associate Professors

2. Affiliation: Graduate School of Science

3. Research fields and educations:

a) Laboratory of Functional Materials I (Professor)

The successful candidate should be capable of developing molecular devices, structures, and assemblies from viewpoints of materials chemistry, and elucidating the origins of their functional properties through experimental characterization.

Educational responsibilities include

- i) to give classes on physical chemistry / materials science and
- ii) to supervise research activities for undergraduate and graduate students.

b) Laboratory of Low-Temperature Physics and Superconductivity (Professor)

The successful candidate should be capable of promoting experimental research on various physical properties under low temperature conditions, such as superconductivity and magnetism. She is also highly expected to manage the Cryogenic Center in Harima Campus for Science.

Educational responsibilities include

- i) to give classes on quantum mechanics / superconductivity and
- ii) to supervise research activities for undergraduate and graduate students.

c) Mathematical Sciences I (Professor)

Research area: Mathematics

Educational responsibilities

- i) Graduate school: Partial Differential Equation, Theoretical Study on Advanced Material Science
- ii) Faculty: Lectures on Calculus, Linear Algebra, Exercises in Mathematics, Topological Analysis, Functional Analysis and so on, and Graduation Research Thesis.

d) Mathematical Sciences II (Associate Professor)

Research area: Mathematical analysis in a broad sense

Educational responsibilities

- i) Graduate school: Real Analysis, Theoretical Study on Advanced Material Science
- ii) Faculty: Lectures on Calculus, Linear Algebra, Exercises in Mathematics, Topological Analysis, Functional Analysis and so on, and Graduation Research Thesis.

e) Laboratory of Biochemistry (Professor)

We welcome applications from individuals with outstanding achievements in molecular and cellular biology, including plant biology and immunology.

Educational responsibilities

- i) Graduate school: Biomolecular Chemistry, Advanced Laboratory Course in Structural Molecular Biology, Exercise in Structural molecular biology, Introduction to Picobiology
- ii) Faculty: Cell Biology 1, Seminar in Life Science 1, Basic Seminar, Basic Laboratory Course in Life Science I and II, Laboratory Course in Life Science I and II, Introduction to Life Science, Graduation Research Thesis

f) Laboratory for Bioinformation (Associate Professor)

We encourage applications who will study development and function of nervous system and organs, by state-of-the-art techniques including molecular biology, genetics, bio-imaging and bio-informatics.

Educational responsibilities

- i) Graduate school: Laboratory Course in Bio-imaging, Lecture on Developmental Genetics
- ii) Faculty: Basic Laboratory Course in Physics, Lecture on Neuroscience

4. Start of employment: April 1, 2024 (estimated date)

5. Qualification:

- (1) Ph.D. and relevant research experience.
- (2) Communication skills in Japanese language.

6. Application documents:

- (1) Cover letter including “research area” and “position” for which you apply.
- (2) Detailed curriculum vitae with the applicant's photo and email address.
- (3) List of publications, which should be subdivided into five categories of peer-reviewed papers, review articles, books, proceedings, and others.
- (4) Reprints or copies of no more than ten selected papers (mark them with * in the publication list).
- (5) Statement outlining previous achievements in research and education (approximately 2,000 words in total).
- (6) Statement outlining future plans in research and education (approximately 2,000 words in total).
- (7) List of research grants, in which principal investigator or co-investigator should be specified.
- (8) Recommendation letter from the dean or a person who can be asked about the applicant.

For electronic submission via e-mail, the applicant or recommender should send the recommendatory letter by registered mail or e-mail to the addresses below.

The applicants should submit the printed paper versions of all necessary documents (2)–(7) together with a USB memory stick or CD-ROM which contains the PDF files.

7. Application deadline: August 4th, 2023.

8. Selection process: Screening of the documents and interview including a trial lecture. The interviewee has to pay her own travel expenses to attend the interview.

9. Address for application submission:

Prof. Hisao Kobayashi, Dean

Graduate School of Science, University of Hyogo

3-2-1 Kouto, Kamigori-cho, Ako-gun, Hyogo 678-1297, Japan

Please write “Application for Open Faculty Positions for Female Only” in red on the front cover of the envelope. Application documents should be sent by registered mail. E-mail is unacceptable. Note that the application documents once received will not be returned.

10. Inquiry about the positions:

Prof. Hisao Kobayashi,

Department of Material Science, Graduate School of Science, University of Hyogo

3-2-1 Kouto, Kamigori-cho, Ako-gun, Hyogo 678-1297, Japan

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