

Two Tenure-Track Positions for Female Researchers  
Hokkaido University 2011 (Sapporo, Japan)

Hokkaido University operates the “ Hokkaido University Leader Development System in Basic Interdisciplinary Research Areas” project, under FY 2011 project “Propagation and establishment of the Tenure-Track ” funded by the Ministry of Education, Culture, Sports, Science and Technology (MEXT).

We invite applications for 2 Tenure-track Assistant Professor positions which **start between February 1st and March 1st 2012.** The positions are **only open to women.** We expect young female researchers who have all the qualities required for the next generation of global leaders in basic interdisciplinary research areas.

Not only keen research skills but also comprehensive abilities as leaders (administration, motivation, planning skills, analytical skills and internationality) will be valued during the due selection. Successful tenure-track appointees will be provided with an independent research environment and a start-up research grant. During the tenure-track period, the appointees are requested to actively participate in various leader development programs.

1. Open recruitment

Two Female Assistant Professors with Tenure-Track

2. Affiliation

Registered in the Front Office for Human Resource Education and Development during the tenure track period of 5 years. An office and a laboratory allowing independent research activity will be provided in the building belonging to the Faculty of Engineering or the Faculty of Science. Will be fully transferred to the Faculty of Engineering or the Faculty of Science after promotion to tenured Associate Professor.

Host Departments : Graduate School of Engineering for 1 position; Graduate School of Science for the other.

For details about research area and application documents, please refer to “Offered Research Fields” in the Leader Development Station (L-Station) web site shown below.

[http://www.cris.hokudai.ac.jp/l-station/en/e\\_research\\_field.html](http://www.cris.hokudai.ac.jp/l-station/en/e_research_field.html)

3. Employment conditions

The initial appointment is for 5 years (until 31<sup>st</sup> March 2018) as Assistant Professor, convertible to a tenure position as Associate Professor.

Continuation of tenure-track contracts will be determined by in-term assessment held within the fiscal year 2013. Final assessment for promotion to the tenure post will be

carried out first by the Faculty committee and then by the General Committee for the Tenure Track System.

Salary will be decided by university regulations.

4. Application criteria

Must have a doctorate obtained within 10 years or with equivalent research experience.

Must be female. (See 'Note' below).

Must have native-level proficiency in written and spoken English, and be able to give lecture and research guidance in English.

5. Research Environment :

- First-year research grant offered      10,000,000JPY
- Second-year research grant offered      5,000,000JPY
- Independent research environment in the host department
- In-campus open facilities      <http://www.cris.hokudai.ac.jp/openfacility/en/>

6. The application deadline:

30<sup>th</sup> November 2011 (Japanese local time).

7. Submission of applications

Application documents should be sent by registered mail, FedEx or equivalent, with "TTF application in Material Science and Engineering" or "TTF application in Theoretical Astrophysics" in red on the surface of the envelope, and addressed as follows:

L-station, Front Office for Human Resource Education and Development,  
Hokkaido University  
N8 W5, Kita-ku, Sapporo 060-, Japan

8. Date of commencement:

Before 31<sup>st</sup> March 2012, and as soon as possible after 1<sup>st</sup> February 2012.

● Notes:

Hokkaido University has been promoting activities for female researchers, and has been sponsoring various affirmative actions for active and sustainable career of female scientists. According to the 4<sup>th</sup> Basic Plan for Science Policy in Japan, we have a clear aim to increase the numbers of female faculty staff in the fields of science, technology, and agriculture. The post advertised is therefore open only to female researchers. Since the proportion of female faculty at Hokkaido University is only 10%, far less than 40%, it is legal to perform this affirmative action and still comply with the equal opportunity law.

We welcome talented female researchers with high potential, motivation, and the determination

to advance their scientific career as important members of our research and teaching faculty. We assist new female faculty members in starting their research smoothly and assimilating into the University. The Front Office for Human Resource Education and Development and the FResHU Office (Support Office for Female Researchers at Hokkaido University) provide integrated support not only within the faculty and laboratory, but also for career advancement. In addition, we offer various types of aid to help balance research and private life, including child care and the hiring of a research assistant or other support staff during periods of need. We are ready to fully support you as a newly appointed female faculty member to enable a smooth start for your research and integration into life at our University. The Front Office for Human Resource Education and Development and the Office will provide integrated support within the Faculty and the Laboratory and will also provide support and opportunities for you to further your talent and advance your career.

- Laboratory of Structure Control, Group of Materials Designing, Division of Materials Science and Engineering, Faculty of Engineering  
Graduate School of Engineering

1. Research field

Developments of novel properties and processes of various metallic materials including alloys, intermetallics, ceramics and composites based on structure design and structure control using experimental or computational science methods.

Keywords: casting, plastic forming, powder metallurgy, heat treatment, bonding, surface modification.

2. Educational duties in charge:

Full or partial charge of lectures on general education for undergraduate students in various faculties, specialized subjects for the students in Course of Materials Engineering, Department of Applied Science and Engineering, and exercise class for students in Graduate School of Engineering. Research guidance of several students assigned to laboratory.

3. Documents to be submitted

- 1) Curriculum vitae including date of birth, photo, nationality, current address, contact information (telephone, e-mail address), education (high school and above), degrees, and postdoctoral and work experience.
- 2) Research achievement
  - A) Publications separated into peer-reviewed academic papers and others such as abstracts at international meetings, books, book chapters and reviews, creations, patents, invited lectures.
  - B) Grants and competitive funds received, listed separately in categories of national funds, contracted research, collaborative research, etc.
  - C) Activities in scholarly societies, contributions to the local community, outreach contribution to society, awards, etc.
- 3) Teaching experience, including proposal for improvement of education systems
- 4) Reprints (one copy each) of most important papers (less than four papers)
- 5) Summary of research to date (limited to two A4 pages)
- 6) Statement of research goals (limited to two A4 pages)
- 7) Statement of teaching goals (limited to two A4 pages)
- 8) A list of two references, who can be called upon to comment on the applicant (name, position, affiliation, e-mail address, telephone, fax).

For inquiry:

Prof. Kiyotaka Matsuura

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- Astrophysics group, Physics Department, Faculty of Science  
Graduate School of Science

1. Research field

Theoretical Astrophysics, preference to Numerical Astrophysics

2. Educational duties in charge:

Teaching of general physics course in English. Lectures for undergraduate students in Department of Physics, and graduate students in Graduate School of Science. Research guidance of several students assigned to the laboratory.

3. Documents to be submitted

1) Curriculum vitae including date of birth, photo, nationality, current address, contact information (telephone, e-mail address), education (undergraduate and above), qualifications, working experience, etc.

2) Research achievement

A) Achievements related to theses: , Categorized into academic papers, international convention proceedings, book publications, Academic commentaries, Grants and competitive funds received, listed separately in categories of national funds, contracted research, collaborative research, etc.

B) Reviews, presentations at academic associations/societies, and others.

C) Status of securing competitive research funding: , categorized into Scientific Research Aid, Joint/Contract Research, Public Research funds, etc.

D) Others: Affiliated Associations and their activities, contributions to society, awards, etc.

3) Education achievement

Achievements in teaching, educational improvements, and other educational achievements.

4) One copy each of 3 major papers.

5) Research proposal upon appointment (about 500 words)

6) Aspirations towards education upon appointment (about 250 words)

7) Three letters of recommendation

For inquiry:

Prof. Asao Habe

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