

Position for Associate Professor in the Laboratory of Molecular Enzymology,
Research Faculty of Agriculture, Hokkaido University

February 19th, 2024

We are inviting applications for the position of Associate Professor in the Laboratory of Molecular Enzymology, Research Group of Applied Bioscience, Division of Fundamental Agriscience Research, Research Faculty of Agriculture, Hokkaido University. Please inform potential candidates of the following details on this position.

1. Title of position:

Associate Professor (tenured)

2. Affiliation:

Laboratory of Molecular Enzymology, Research Group of Applied Bioscience, Division of Fundamental Agriscience Research, Research Faculty of Agriculture, Hokkaido University (see Appendix 1).

3. Duties in education:

Lectures, seminars, experimental works, practical training, and exercise courses related to the Laboratory of Molecular Enzymology (see Appendix 2).

4. Qualifications:

- 1) Applicants must have a doctoral degree or Ph. D.
- 2) Applicants should have outstanding research achievements related to the molecular mechanisms of carbohydrate-related enzymes and the production and utilization of carbohydrates and must be able to contribute to developing the relevant academic fields. Applicants must understand the basic philosophy of Hokkaido University and the basic policy of education and research of the Laboratory of Molecular Enzymology and be able to actively provide education to undergraduate and graduate students, including international students (see Appendix 3).
- 3) Applicants should be able to provide research guidance regarding the above subjects for undergraduate and graduate students in Japanese and English.
- 4) Applicants must arrive at their post on the scheduled date.

5. Application materials:

- 1) Two sets of curriculum vitae *
- 2) Two sets of publication lists and biographical data on research activities (Statement of Research

Achievements*)

- 3) Two sets of summaries of research activities citing the reference number in the publication list (either around 800 words in English or around 1,000 characters in Japanese)
- 4) Two sets of reprints or photocopies of all peer-reviewed publications
- 5) Two sets of summaries of educational activities, including those made in English and the applicant's perspectives on education (either around 800 words in English or around 1,000 characters in Japanese)
- 6) Two sets of summaries of the applicant's perspectives on research (either around 800 words in English or around 1,000 characters in Japanese)
- 7) Two sets of the list of two references for the applicant, showing their name, institution, position, telephone number, and e-mail address

*Forms of curriculum vitae, publication list, and biographical data on research activities (Statement of Research Achievements) are available at the below URL.
<https://www.agr.hokudai.ac.jp/i/subscription>

Remarks: Please note that an interview may be conducted if necessary. In that case, the applicant is responsible for any travel expenses. The submitted document will not be returned to the applicant. Application documents will not be used for purposes other than this job posting.

6. Deadline for application:

April 1st, 2024

7. Scheduled starting date of employment:

July 1st, 2024

8. Destination of the documents:

Prof. Tomohiko Kubo, Chair of the Personnel Committee, Ph. D.
Research Faculty of Agriculture, Hokkaido University,
Kita 9 Nishi 9, Kita-ku, Sapporo 060-8589, Japan
Tel: +81-11-706-3350 (Personnel section in Research Faculty of Agriculture, Hokkaido University)

*The requested documents should be submitted via registered mail (or an equivalent postal service) to the above address. Please indicate "Application for Associate Professor in Molecular Enzymology" on the envelope with red ink.

9. Contact person:

Prof. Shin-ichiro Asano, Ph.D.
Research Faculty of Agriculture, Hokkaido University,
Kita 9 Nishi 9, Kita-ku, Sapporo 060-8589, Japan
Tel: +81-11-706-2423, E-mail: sangaku@agr.hokudai.ac.jp

10. Compensation:

- 1) Probation period: 3 months
- 2) Salary: National University Corporation Hokkaido University Salary Regulations for Faculty
Subject to Annual Salary System
- 3) Working hours, etc.: Monday to Friday, Discretionary work system
(A day's working hour is 7 hours and 45 minutes.)
- 4) Health insurance, etc.:
 - Mutual association of the Ministry of Education, Culture, Sports, Science and Technology
 - Employee pension insurance
 - Workers' accident compensation insurance
 - Employment insurance

11. Name of recruiter institution:

Hokkaido University

12. Measures to prevent secondhand smoke:

Smoking in designated areas only

13. Other

Hokkaido University strives to promote education and research activities through a diverse workforce. We are also actively promoting support for balancing educational/research activities with daily life and the development of an environment in which employees can demonstrate their abilities and play an active role. For details of our activities, please refer to the following website.

(URL: <https://www.dei.hokudai.ac.jp/en/>)

Appendix

1. The Laboratory of Molecular Enzymology is a member of the Research Group of Applied Bioscience, comprising six laboratories of Plant Breeding, Genetic Engineering, Applied Molecular Entomology, Molecular Biology, Molecular Enzymology, and Molecular and Ecological Chemistry. The academic staff of the Molecular Enzymology laboratory consists of a professor and an assistant professor.

2. The successful applicant will partly or wholly give the lectures listed below, for which the Laboratory of Molecular Enzymology is responsible.
 - (1) Subjects in the Graduate School of Agriculture: Study on Agricultural Science I·II, Seminar on Agricultural Science I·II, Advanced Biotechnology, Advanced Seminar on Biotechnology, Advanced Lecture on Applied Molecular Biology, Advanced Seminar on Applied Molecular Biology, and others.
 - (2) Subjects in the School of Agriculture: Molecular Enzymology, Fundamental Molecular Biology, Protein Engineering, Instrumental Analytical Chemistry, Introduction to Applied Biosciences, Seminar in Applied Bioscience I·II·III·IV, Laboratory Work on Applied Bioscience, Graduation Thesis, and others.
 - (3) Subjects in general education, Biology I, and others.
3. The basic research policy of the Molecular Enzymology Laboratory is to elucidate the functions of carbohydrate-related enzymes and proteins at the molecular level using advanced methods in the fields of protein engineering, biochemistry, and carbohydrate chemistry and to apply these findings to the production and utilization of carbohydrates. Candidates should have extensive knowledge, skills, and accomplishments in enzyme kinetic analysis and protein structural analysis. The laboratory also aims to nurture enterprising and internationally minded individuals who can actively use advanced science to contribute to the elucidation of enzyme functions and the development of technologies for carbohydrate production and utilization. Applicants should be aware of this policy and willing to cooperate. The laboratory participates in the "Global Education Program for AgriScience Frontiers" (English Special Course) of the Graduate School of Agriculture. Applicants must be able to provide instruction in English to undergraduate and graduate students, including international students.