

**Position for Assistant Professor in the Laboratory of Biochemistry,
Research Faculty of Agriculture, Hokkaido University**

August 10th, 2023

We are inviting applications for the position of Assistant Professor in the Laboratory of Biochemistry, Research Group of Bioscience and Chemistry, 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:

Assistant Professor (see Appendix 1).

2. Affiliation:

Laboratory of Biochemistry, Research Group of Bioscience and Chemistry, Division of Fundamental Agriscience Research, Research Faculty of Agriculture, Hokkaido University (see Appendix 2).

3. Duties in education:

Lectures, seminars, experimental work, practical training, and exercise courses related to Biochemistry (see Appendix 3).

4. Qualifications:

- (1) Applicants should have a doctoral degree or Ph.D. (including expected in March 2024).
- (2) Applicants should possess excellent research achievements on functions and molecular structures of various enzymes involved in carbohydrate metabolism, and application including development of carbohydrate synthesis. (see Appendix 4).
- (3) Applicants should have the ability to provide research guidance regarding the above subjects for undergraduate and graduate students both in Japanese and in English.
- (4) Applicants must arrive at his/her post on the scheduled date.

5. Application materials:

- (1) Two sets of curriculum vitae *
- (2) Two sets of publication list and biographical data on research activities *
- (3) Two sets of summary of research activities with 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 summary of applicant's perspectives on education and (if any) educational activities including those made in English (either around 800 words in English or around 1,000 characters in Japanese)
- (6) Two sets of summary of 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 his/her name, institution, position, telephone number, and e-mail address

* Forms of curriculum vitae, publication list, and biographical data on research activities are available at the URL of Hokkaido University. (<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. Applications will not be used for purposes other than this job posting.

6. Deadline for application:

October 10th, 2023

7. Scheduled starting date of employment:

April 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 a similar method) to the postal address indicated above. Please indicate on the envelope "Application for Assistant professor in Biochemistry" in red.

9. Contact person:

Prof. Yo Toma, Ph.D.
Research Faculty of Agriculture, Hokkaido University,
Kita 9 Nishi 9, Kita-ku, Sapporo 060-8589, Japan
Tel: +81-11-706-3857, E-mail: toma@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

*The working hour for a day is deemed as 7 hours and 45 minutes.

(4) Health insurance, etc.

- ・Employee pension insurance
- ・Mutual association of the Ministry of Education, Culture, Sports, Science and Technology
- ・Employment insurance
- ・Workers' accident compensation insurance

11. Name of recruiter institution:

National University Corporation Hokkaido University

12. Measures to Prevent Second-hand Smoke:

Smoking in designated areas only

13. Others

Hokkaido University is actively promoting both education and research activities under the concept of advancing diversity and inclusion. In addition, Hokkaido University is actively supporting to realize a well work-life-balance and is providing ideal environments for those people who would like to show their full potentials. The detail of the activity in Hokkaido University can be found in the following URL: https://diversity.synfoster.hokudai.ac.jp/en/statement_en/

Appendix

1. Initial term of employment is 5 years, and an additional term of employment is limited to an additional 5 years. To qualify for a tenure position, the candidate's performance during employment will be evaluated.

2. The Laboratory of Biochemistry constitutes the Research Group of Bioscience and Chemistry, together with six other laboratories, namely, Plant Nutrition, Soil Science, Natural Product Chemistry, Microbial Physiology, Nutritional Biochemistry, and Food Biochemistry.

3. The successful applicant will partly or fully give the lectures listed below, for which the Laboratory of Biochemistry is responsible.

(1) Subjects in the Graduate School of Agriculture: Study on Agriculture Science I & II, Seminar on Agricultural Science I & II, Advanced Safety and Function of Food, Advanced Molecular Biology,

Advanced Biotechnology, and others.

(2) Subjects in the School of Agriculture: Biochemistry I, II, & III, Introduction to Chemistry, Laboratory Work on Bioscience and Chemistry III, Seminar on Bioscience and Chemistry I, II, III, IV, & V, Graduation Thesis, and others.

(3) Subjects in the general education: General Education Exercise, and others.

4. The Laboratory of Biochemistry conducts education and research on the structure-function relationship of various enzymes to create enzymes with desired functions, to efficiently produce valuable biomolecules through advanced utilization of enzymes, and to elucidate the metabolism in which the enzymes are involved. Applicants with extensive knowledge and research experience in enzyme kinetics and protein chemistry to analyze the mechanism for the exertion of various functions of enzymes are desired, including organic synthesis of oligosaccharide substrates with desired linkages and structural analysis of oligosaccharide products. Applicants should have a strong motivation to educate graduate and undergraduate students, including international students in the Global Education Program for AgriScience Frontiers, and the ability to participate in research and thesis supervision.