

**Position for Professor in the Laboratory of Crop Physiology,
Research Faculty of Agriculture, Hokkaido University**

August 20, 2020

We are inviting applications for the position of Professor in the Laboratory of Crop Physiology, Research Group of Agrobiolgy and Bioresources, Research Faculty of Agriculture, Hokkaido University. Please inform potential candidates of the following details on this position.

1. Title of position:

Professor

2. Affiliation:

Laboratory of Crop Physiology, Research Group of Agrobiolgy and Bioresources, Research Faculty of Agriculture, Hokkaido University (see Appendix 1).

3. Duties in education:

Lectures, seminars, experimental work, practical training, and exercise courses related to Agrobiolgy and Bioresources (see Appendix 2).

4. Qualifications:

- (1) Applicants should have a doctoral degree or Ph.D.
- (2) Applicants should possess excellent accomplishments on physiological studies on the development and morphogenesis of boreal crops, including cultivated plants and their wild relatives, for the purpose of crop production, as well as rich experience in the education in this field. Applicants are also required to propel research projects on the genetic improvement and conservation of boreal plants by using symbiotic microorganisms, or based on molecular breeding and tissue culture techniques (see Appendix 1).
- (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 educational activities including those made in English and applicant's perspectives on education (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 Univ. (<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:

September 28th, 2020

7. Scheduled starting date of employment:

April 1st, 2021 (Employment status : Tenured)

8. Destination of the documents:

Prof. Noboru Noguchi, Chair of the Personnel Committee, Ph.D.
Research Faculty of Agriculture, Hokkaido University,
Kita 9 Nishi 9, Kita-ku, Sapporo 060-8589, Japan

*The requested documents should be submitted via registered mail to the postal address indicated above. Please indicate on the envelope "Application for Professor in Crop Physiology" in red.

9. Contact person:

Prof. Shin-ichi Akimoto, Ph.D.
Research Faculty of Agriculture, Hokkaido University,
Kita 9 Nishi 9, Kita-ku, Sapporo 060-8589, Japan
Tel: +81-11-706-2480, E-mail: akimoto@res.agr.hokudai.ac.jp

10. Compensation:

(1) Probation Period:

3 months

(2) Salary:

National University Corporation Hokkaido University Employee Salary Regulations
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:

Hokkaido University

12. Measures to Prevent Second-hand Smoke:

Smoking in designated areas only

Appendix

1. The Laboratory of Crop Physiology constitutes the Research Group of Agrobiolgy and Bioresources, together with nine other laboratories, namely, Crop Science, Horticultural Science, Plant Pathology, Ornamental Plants and Landscape Architecture, Animal Ecology, Systematic Entomology, Plant Genetics and Evolution, Cell Biology and Manipulation, and Pathogen-Plant Interactions.

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

- (1) Subjects in the Graduate School of Agriculture: Study on Agriculture Science I • II, Seminar on Agriculture Science I • II, Advanced Botany and Agronomy, Seminar on Advanced Botany and Agronomy, Applied Agricultural Science, and others.
- (2) Subjects in the School of Agriculture: Crop Physiology, Crop Morphology, Special Course of Crop Physiology, Special Course of Agrobiolgy and Bioresources, Experiment on Agrobiolgy and Bioresources I • II, Experiment on Biology and Chemistry I • II, Seminar on Agrobiolgy and Bioresources I • II • III • IV, Graduation Thesis, Introduction to Biology, and others.
- (3) Subjects in the general education: Freshman Seminar and others.

3. The Laboratory of Crop Physiology has conducted research and education on the development and reproduction of crops that are adapted to the climate in Hokkaido from viewpoints of physiology, biochemistry, and molecular biology. The main subjects are 1) to understand the mechanisms underlining the development and morphogenesis of crops (e.g., buckwheat, sugar beet, potato, and soybean) for the purpose of the improvement of their yields and functional components, and 2) to identify and functionally analyze the signal transducers that regulate the responses to environmental factors using the abovementioned crops. In addition, based on tissue culture techniques, which have been improved over a long term in the laboratory, this laboratory attempts to propel research projects that contribute to artificial cultivation of profitable plants and the conservation of rare plants native to Hokkaido (e.g., *Cypripedium marcanthum* var. *rebunense* and *Glycine soja*).