

Professor Position,
Faculty of Agriculture, Kyushu University

Outline:

Kyushu University is seeking an experienced individual with expertise in teaching and research for appointment as a tenured Professor in the Laboratory of Genome Chemistry and Engineering, Division of Molecular Biosciences, Department of Bioscience and Biotechnology, Faculty of Agriculture. The Division of Molecular Biosciences is promoting research aiming at elucidating the action mechanism of functional elements related to the expression and regulation of complicated biological phenomena. Application of these basic research to develop new biotechnology is also the aim of this division. The division is in charge of the education of graduate studies in the field of functional molecular chemistry and the applied biological sciences, and is promoting education to systematically train personnel who can understand living phenomena at the molecular level and promote activities to make it useful for human beings.

The Laboratory of Genome Chemistry and Engineering deals with education and research on life science in the field of agricultural chemistry with genome engineering as the main objective, and is focusing on the following subjects:

- 1) Development and application of novel genome-engineering technologies based on unique genome-editing technique.
- 2) Development, improvement and utilization of genome editing technology that contribute to functional genome engineering
- 3) Elucidation of structure and functions of genomes

Professors to be employed should have outstanding research achievements in basic biology and basic genome science, and have the ability to promote active research dissemination and international research activities, in the field of genetic and genome engineerings.

This person will also be in charge of the Genome Engineering Unit, Plant Molecular Design Division of the Plant Frontier Research Center, which is established recently in this university. The candidate should have a unique and basic technology for genome

editing and is expected to use this technology to promote research and development on useful plant production and industrialization.

1. Number of Positions Offered:

One Professor

2. Institution:

Position affiliation: Division of Molecular Biosciences, Department of Bioscience and Biotechnology, Faculty of Agriculture, Kyushu University. The appointee will join the teaching staff in the School of Agriculture and the Bioscience and Biotechnology course in the Graduate School of Bioresource and Bioenvironmental Sciences.

3. Educational Duties:

The successful candidate will be expected to teach the following subjects and supervise research activities at both the undergraduate and graduate levels using both Japanese and English, with some of the teaching and supervision done in these languages.

1) Graduate School of Bioresource and Bioenvironmental Sciences

Master's Course

(Molecular Biosciences in Bioscience and Biotechnology Course) Project research in Molecular Biosciences, Advanced studies in Molecular Biosciences I, II, Enzymology, etc.

(International Course)

Seminar in a Specified Field I, II

Doctorial Course

(Bioscience and Biotechnology Course)

Research Training on Bioscience and Biotechnology, Tutorial on Bioscience and Biotechnology, Advanced Topics on Bioscience and Biotechnology, Teaching Practice, Presentation Skill for Academic Meeting, Internship, Project Research

(International Course)

Research Training on Bioscience and Biotechnology, Tutorial on Bioscience and Biotechnology, Advanced Topics on Bioscience and Biotechnology, Teaching Practice, Presentation Skill for Academic Meeting, Project Research

2) Undergraduate School

School of Agriculture and Kikan Education

In charge as necessary

4. Qualifications:

Candidates must have a Ph.D. degree and have an outstanding research record.

Active involvement and excellent skills in education at both undergraduate and graduate levels are also essential.

5. Date of Appointment:

The successful candidate will take up the post as soon as possible after the endorsement of the appointment at the professor meeting of the Faculty of Agriculture, Kyushu University.

6. Employment Duration:

Professor: Full-time, with a mandatory retirement age of 65

7. Salary and Benefits:

Appointment level to be commensurate with qualifications and experience Salary and benefits are specified in the Kyushu University regulations.

8. Required Documentation (provide all documents either in Japanese or English):

- 1) Curriculum vitae
- 2) The official Ph.D. degree certificate
- 3) List of research achievements (including peer-reviewed papers, conference, reviews, books, patents)

For a research paper in an academic journal, author(s), the title, journal, volume, first and last pages, publication year, and the impact factor of the journal at the year should be given. The papers should be categorized as (i) refereed (ii) non-

refereed and (iv) others, For a review, author(s), the title, journal, volume, first and last pages, and publication year should be given.

For a book, author(s), the title, publisher, first and last pages, and publication year should be given. For a grant (including JSPS grants): Funding scheme, Grant category (Research period, Funding organization), Term, Grant amount and Roles (Principal Investigator or Co-investigator) should be given. For others, Academic awards, Invited lectures, Patents, Qualifications, Journal editor, Academic society managements and others should be given.

- 4) Reprints of the most important publication (Maximum five papers may be submitted).
- 5) Summary of the applicant's research activities and future research plan (Write in about 2,000 words)
- 6) Summary of the applicant's educational experiences and aspiration for education in the future (Write in about 2,000 words).
- 7) Summary of the applicant's wishes for activities at the Plant Frontier Research Center (Write in about 2,000 words, including information on proprietary techniques for genome editing).
- 8) Two referees' names with their position, affiliation, and contact information (email address and TEL) or one referee's letter of recommendation
- 9) A USB memory which saved the word file and pdf file of the 1st to 3rd and 5th to 7th documents and pdf files of the 4th reprints.

9. Interview:

Shortlisted candidates may be invited for an interview held at Ito Campus of Kyushu University or via a remote conference system. We do not support any expenses incurred, such as for travel or accommodation, to participate in the interview.

10. Application Deadline:

Completed applications must arrive at Kyushu University by July 31, 2019.

11. Submission of the Application Documents to:

Send all required documents together as registered mail or simplified registered mail (limited to mail delivery).

Prof. Ken Matsuoka
Secretary of the Screening Committee
West No5, room 669a
Division office of Molecular Biosciences,
Department of Bioscience and Biotechnology
Faculty of Agriculture, Kyushu University
Motooka 744, Nishi-ku, Fukuoka, 819-0395, JAPAN

12. Contact Information:

Prof. Toshihiro Kumamaru
Chair of the Screening Committee
E-mail: kumamaru@agr.kyushu-u.ac.jp
Tel: +81-92-802-4842

13. Additional Information

- 1) Kyushu University is an equal opportunity employer and follows the principle of the Basic Act for Gender Equal Society (Act. No.78 of 1999).
- 2) Kyushu University is an equal opportunity employer and follows the principle of the Act on Employment Promotion etc. of Persons with Disabilities (Act No. 123 of 1960, revised in 2013) and Act on the Elimination of Discrimination against Persons with Disabilities (Act No. 65 of 2013).
- 3) The same spouse employment system has been implemented at Kyushu University from July 2017.
- 4) Please see the URL for more information of our programs.
<http://www.agr.kyushu-u.ac.jp/english/international>
- 5) Please see the URL for more information about frontier plant science center.
<http://plantfrontier.kyushu-u.ac.jp/>
- 6) Personal information in the received documents will be used only for the selection process. Submitted documents will not be returned to the applicants.
- 7) For inquiry about the condition of employment including about salaries, call general administration office, Faculty of Agriculture, Kyushu Univ. (phone, +81-92-802-4505. Japanese only).