A position is available as faculty professor in Plant Genomics and Plant Breeding at the Department of Plant Biology at SLU, Uppsala. The department has about 90 employees and is active within research areas focused on plant development, diversity and defence (www.slu.se/en/departments/plant-biology-forest-genetics). The Department belongs to the Uppsala BioCenter (bioc.slu.se), which provides an excellent scientific environment combining competence in plant biology, forest mycology and pathology, microbiology, food science, computational genetics, chemistry and biotechnology. It also offers a high quality infrastructure, including modern plant growth facilities, equipment for bioimaging and molecular biology. The department is also a member of the Linnean Centre for Plant Biology in Uppsala (lcpu.se), an interaction platform for plant scientists at SLU and Uppsala University. Uppsala is a strong centre for microbial, animal, medical and plant genomics and hosts one of the nodes for the Science for Life Laboratory (www.scilifelab.se), which provides national technology platforms such as in genomics, proteomics and bioimaging.

Subject area: The subject area encompasses the application and development of modern genomics technologies in plant breeding strategies. The research topic is broad and includes functional genomics, pre-breeding, genetics, technology development and bioinformatics. The research may include the application of next generation sequencing, large scale single nucleotide polymorphism (SNP) analysis, phenomics, proteomics or metabolomics to identify breeding targets and improve breeding strategies.

Duties: The appointed professor is expected to develop and lead a strong, internationally competitive and externally funded research program in plant genomics and breeding focused on improved plant development, quality or defence. The successful applicant is also expected to contribute to the implementation and further development of the departmental mission towards a more sustainable crop production, and will effectively collaborate with other research groups at the department, at the BioCenter and within SLU to further strengthen SLU’s genomic and breeding research community. In addition to research excellence, the advertised position requires dedication to supervision of PhD students, as well as to teaching plant genomics, plant breeding and/or related topics at the undergraduate and graduate levels.

Qualifications: A person who has demonstrated both academic and teaching skills shall be qualified for appointment as a Professor. Applicants must be scientifically proficient and internationally recognized in the subject area of the position, hold a PhD degree as well as an Associate Professorship or equivalent. The applicant is an active and successful scientist in the subject area with the ability to attract external funding and is an experienced research group leader. The successful candidate shall have proven expertise in several of the research fields comprising the subject area. Applicants must be skilled in teaching and have the ability to integrate teaching and research.

Assessment criteria: Assessment criteria for the appointment shall be based on the degree in which the candidate possesses the skills required to qualify for the appointment. In addition, the degree of administrative and other skills of importance to the subject contents for the appointment and the duties included in the appointment shall also be taken into account. Furthermore, the degree of skills in developing and leading activities and staff at the university and the ability to collaborate with the outside community and convey information on research and development work shall also be taken into account. In the appointment process special and equal importance will be given to the
applicant's scientific and pedagogical skills. When considering scientific proficiency special importance shall be attached to both current research and capacity to independently initiate and lead innovative and pioneering research, ability and interest to attract external funding as well as the applicant's well documented scientific competence at high international level within the subject area. When considering pedagogic proficiency, importance shall be attached to experience in planning, carrying out and evaluating teaching, as well as supervising and examining.

Place of work: Uppsala

Extent: 100 %

Starting date: By agreement

The scientific and pedagogic documentation submitted in support of the application shall be indicated in the application, and one copy of each document shall be made available to the Vice-Chancellor at the time of application. At most 10 scientific publications and at most 10 pedagogic publications, including popularized versions, should be submitted in support of the application. In addition a complete list of publications shall be supplied; the publications submitted with the application must be indicated. When expert reviewers have been appointed, the applicant(s) will be informed to send copies of the documentation listed in the application to each one of the reviewers.

Application:
Application, addressed to the Vice-Chancellor, SLU, quoting Ref no. SLU ua 4483/2014, together with a current CV and other documents that the applicant wishes to submit, must be received by the Registrar, SLU, P. O. Box 7070, SE-750 07 Uppsala or registrator@slu.se by May 15, 2015.

SLU is an equal opportunity employer.

A guide for applicants "Appointment procedures for SLU" and a "Memorandum for Guidance in connection with applications for appointment/promotion to professor and senior lecturer at SLU" can be found at intern.slu.se. Documentation of scientific, pedagogical and other qualifications must be presented in accordance with the instructions given in these documents.