



Position: Head of Department "Crop Quantitative Genetics"

Occupation: Full-time

Period: Fixed-term contract, funding available for up to five years

Place: Plovdiv, Bulgaria

Deadline for application: 31.07.2023

CPSBB has established a new research department "Crop Quantitative Genetics". One of the major research directions of the new department is exploring the wide genetic and phenotypic variations of fleshy (tomato, pepper) and leafy (lettuce) vegetables to improve agronomical traits under abiotic stresses (e.g drought, salinity, and extreme temperatures). Using a suite of genetics and genomics approaches, such as GWAS in combination with QTL, genes contributing to high yield and stress tolerance will be identified. In another research direction, the fruit metabolic compositions will be characterized in terms of flavour and healthy related compounds to assess the impact of abiotic stress on fruit quality. A wide range of plant phenotypic, and metabolic traits will be evaluated, followed by transcriptomic profiling in two genome-wide association (GWAS) panels and two backcrossed inbred lines (BILs) populations for both tomato and pepper. In addition to genes modulating abiotic stress tolerance, the new department will also investigate genes with potential roles in disease resistance and genes influencing morphometric and colorimetric traits such as fruit shape, size, and colour in pepper and tomato.

The candidates for this position must be outstanding scientists, as documented by high-impact factor publications, excellent funding ID, and high h-index. More importantly, the candidates should develop and submit, in addition to their CV, a five-year business plan showing clearly their research ideas and concrete plans for attracting funds for their department.

Workplace:

The workplace will be the CPSBB in Plovdiv, Bulgaria (www.cpsbb.eu). Plovdiv is a modern city with a rich history. It is one of the oldest cities in Europe, established in the 6th millennium BCE. Currently, Plovdiv is one of Bulgaria's academic and industrial centers, home to six Bulgarian universities and several research institutions. Plovdiv is also rich in cultural life and entertainment for young people. The European Commission declared Plovdiv the European Capital of Culture for 2019. CPSBB is an equal-opportunity employer.

Required Qualifications:

- Ph.D. in molecular plant physiology or biotechnology or genetics with at least five years of relevant experience in Plant Breeding, Quantitative Genetics, Population Genetics.
- Outstanding publication record, as documented by high impact factor publications and high h-index.
- Experience in supervising postdocs and PhD students, as well as in managing research projects.

We offer:

- Gross salary (4500 – 6000 EUR), depending on the candidate's CV, experience, and publication record.
- State-of-art research infrastructure.
- Excellent working conditions and a supportive team, including dedicated technicians and PhD students.
- Fast-growing scientific environment. Career development in an internationally renowned research institute.



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Interested applicants should send the following documents:

- CV
- Letter of application, mentioning the position you are applying for and the motivation to apply
- Five-year business plan about the research and plans for attracting funds for the department.
- List of references from high-profile scientists, including their names, affiliation and contact details.
- List of publications

You can apply for this job **no later than 31.07.2023** by e-mail at secretary@cpsbb.eu