



The Center of Plant Systems Biology and Biotechnology (CPSBB) offers the following position:

**Biologist/PhD student**

**Occupation:** Full-time

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

**Apply no later than:** April 30, 2022

CPSBB is a plant science research center in Plovdiv, Bulgaria, with the aim to conduct excellent fundamental and applied research in the areas of plant systems biology and biotechnology.

CPSBB is looking for a highly motivated biologist or/and PhD student who will join the Department of Molecular Stress Physiology to work on a project “Deciphering the cross talk between ABA signalling and floral transition in Arabidopsis”. The project will focus on the function of ABI2, one of the major ABA signaling phosphatases, and related pathways that regulate floral transition in Arabidopsis thaliana. Using transcriptomic (RNA-seq) and proteomic (MS-IP) approaches, the team will identify the interactors of ABI2 in flowering pathway using immunoprecipitation coupled to LC/MS/MS plants exposed to dehydration and temperature stress. We will subsequently identify the changes in transcriptome (using RNA-seq) and metabolome (using GC/MS and LC/MS) during normal and stress conditions. Overall, this project will: understand how ABA modulate plant growth under drought or warmer temperatures, identify novel components of ABA signalling pathway in plant development, and advance the present understanding of ABA signalling pathway by discovering its cross talk with flowering pathway in plants.

The biologist employed in this project will have an opportunity to embark on PhD study training program and obtain a PhD degree in biotechnology.

Plovdiv is a modern city with a lot of history. It is one of the oldest cities in Europe, established in the 6th millennium BCE. Plovdiv is one of the industrial centers of Bulgaria and an academic center as well. It is a place of six Bulgarian universities. Plovdiv is 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.

**Work place:**

The work place will be the CPSBB in Plovdiv, Bulgaria ([www.cpsbb.eu](http://www.cpsbb.eu)).

**Job Requirements:**

- MSc degree in Plant Molecular Biology, Plant Physiology, Plant Biotechnology, or related fields
- Good technical skills, practical background, and communication skills.
- Excellent English presentation and communication skills (written and oral).

**Main responsibilities:**

- Conduct cutting-edge plant science research
- Technical support of the Department.

**We offer**

- Gross salary of 1500 BGN, including social contributions from the employer and the employee.
- Opportunity to embark on PhD study and obtain a PhD degree.
- Work and career development in an internationally competitive research team.
- Opportunity for collaboration with leading EU partner institutes (e.g. Max Planck Germany).
- Funding is available immediately.

**Deadline for application: 30 April 2022**

Applicants interested in the position should send the following documents:

- Application letter including a statement about why you apply for this position.
- CV including a list of published and accepted publications (if any).
- Contact information, including email addresses, of a minimum of one reference person.

Send your application documents as a single pdf-file to [secretary@cpsbb.eu](mailto:secretary@cpsbb.eu). For more information, please visit the CPSBB website: [www.cpsbb.eu](http://www.cpsbb.eu)