1 x Postdoc, 2 PhD students, 2 Master students and 1 technical position

Bet-hedging in plants - multi level analysis of seed dormancy variability - from single cell to population

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Novel secondary seed dormancy regulators in plants

Institute of Biochemistry and Biophysics PAS is looking for candidates for 1 Postdoc, 2 PhD, 2 Master students, 1 technical position starting on 1 of September or as soon as possible thereafter.

Szymon Swiezewski laboratory is interested in studying different aspects of seed dormancy regulation, with an emphasis on DOG1 as master regulator of dormancy. Our work has already helped to understand some of DOG1 expression regulatory mechanisms.

We have characterized a non-protein coding antisense transcript at DOG1 locus that controls seed dormancy and acts in cis (1). We also discovered a SWI/SNF based regulatory mechanism operating at 3’ end of genes (2). Our work has led to description of a tight coupling between splicing and transcription at DOG1 and genome-wide in Arabidopsis (3).

The Postdoc and PhD positions are for 3 years with a 2 years extension. The successful candidates will explore the molecular and physiological aspects of variability in seed dormancy in Arabidopsis thaliana and/or help to identify novel secondary seed dormancy regulators in Arabidopsis.

The postdoctoral position is offered as part of the National Science Centre grant and the eligible candidates must have a PhD title obtained less than 7 years before the employment, subject to maternity and medical extension.

We are seeking enthusiastic candidates willing to engage in an international team focused on seed dormancy regulation. For the Postdoctoral position we require documented track record of publications and expertise in RNA/chromatin/NGS/seed biology. More information on the projects and specific requirements can be found at http://ibb.waw.pl/~team.swiezewski

Please, submit your application including CV and a motivation letter to team.swiezewski@gmail.com.

Deadline for application: 1 of July 2019.

1 Yatusevich, et al., Swiezewski. EMBO R. 2017
2 Archacki, et al., Swiezewski. NAR. 2017
3 Fedak, Palusinska, et al., Swiezewski. PNAS 2016