



COST Annual Meeting TRANSAUTOPHAGY in the Institute of Biology and Immunology of Reproduction, Sofia, Bulgaria

23.04.2019

From 23 to 25 April 2019 the Institute of Biology and Immunology of Reproduction "Acad. K. Bratanov" will host the regular annual meeting of the TRANSAUTOPHAGY consortium financed through the COST EC Horizon 2020 Framework Program.

Autophagy is an essential mechanism to maintain homeostasis at cellular and organismal levels. Autophagy controls nutrient balance, and purges excessive or damaged organelles, misfolded proteins, and invading microorganisms. Regarding human health, several examples highlight its importance as a therapeutic target since autophagy modulation has recognised potential to combat cancer, lupus erythematosus (already at phase III), neurodegeneration and infection as well as a key strategy to slowing age-related tissue decline. In the biotechnological front, innovative applications for optimal agro-food production or for obtaining alternative energy sources from microalgae are possible by modulating autophagy. These and extended prospects will be enhanced by TRANSAUTOPHAGY, a consortium that serves as a platform for enterprises, stakeholders and researchers from diverse disciplines (nanotechnologists, bioinformatics, physics, chemists, biologists and physicians). The workshop hosted by IBIR-BAS will encourage collaborative science by promoting partnerships, by fostering open innovation for creative problem solving, and by providing opportunities for young researchers and gender balance. The cooperation will generate multidisciplinary breakthroughs about autophagy regulation, and to use this knowledge for biomedical and biotechnological purposes.

Transautophagy.pdf

<http://cost-transautophagy.eu/event/cost-transautophagy-annual-meeting/>

Research Infrastructure Cell Technologies in Biomedicine

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