**Bioinformatic analysis of nutrigenomics data of plant food bioactives extracted from the literature**

Cellular and Molecular Targets Group has been actively working within the WG2 of COST Action POSITIVe, to identify specific targets of plant food bioactives in various animal and *in vitro* models, as well as in humans.

Since the literature search and data extraction has been advancing rapidly, Cellular and Molecular Targets Group identifies need for an STSM in order to advance bioinformatic analysis of nutrigenomics data extracted from the literature. The specific goals of this STSM will be the following:

* Completion of data extraction from remaining papers (if any);
* Homogenization of information extracted by participants in data extraction;
* Verification of gene names and gene symbols;
* Analysis of pathways associated with differentially expressed genes extracted from literature;
* Analysis of protein-protein interactions;
* Identification of transcription factors associated with differentially expressed genes and building of gene networks.

Host institution: Goce Delcev University – Stip, Teaching center in Skopje, Republic of Macedonia

Host scientist: Prof. Tatjana Ruskovska

Duration: 6 - 8 weeks

Timing: May - September

Deadline for application: 10. 05. 2018