

SEM Council Members

Name:

Ana Martín-González

Council role:

President of the Protistology Group

Employer or Institute:

Department of Genetics, Physiology and Microbiology.
Faculty of Biology. Complutense University of Madrid (UCM),
Madrid, Spain.

Title:

Full Professor in Microbiology.

Co-head of the Microbial Stress and Environmental Pollution
UCM-Research Group.

Main areas of study/work:

Microbial stress and heavy metals. Cytotoxicity and genotoxicity by nanomaterials Oxidative stress. Differential gene expression under environmental stress. Microbial biosensors



Three main or most recent publications:

de Francisco P, Amaro F, Martín-González A, Gutiérrez JC. 2018. AP-1 (bZIP) Transcription factors as potential regulators of metallothionein gene expression in *Tetrahymena thermophila*. *Frontiers in Genetics* 9:459. doi.org/10.3389/fgene.2018.00459.

de Francisco P, Martín-González A, Turkewitz AP, Gutiérrez JC. 2018. Genome plasticity in response to stress in *Tetrahymena thermophila*: selective and reversible chromosome amplification and paralogous expansion of metallothionein genes. *Environmental Microbiology* 20:2410-2421. doi.org/10.1111/1462-2920.14251.

Romero I, de Francisco P, Gutiérrez JC, Martín-González A. 2019. Selenium cytotoxicity in *Tetrahymena thermophila*: New clues about its biological effects and cellular resistance mechanisms. *Science of the Total Environment* 671:850-865. doi.org/10.1016/j.scitotenv.2019.03.115.

Contact details:

Telephone: +34-913944968

E-mail: anamarti@bio.ucm.es

Keywords:

Microbial Stress. Heavy metals. Nanomaterials. Cytotoxicity. Genotoxicity. Differential gene expression.