

SEM Council Members

Name:

Susana Campoy

Council role:

Vocal

Employer or Institute:

Universitat Autònoma de Barcelona (UAB)

Title:

Associate Professor



Main areas of study/work:

Gene expression and regulation in bacteria. SOS system and DNA repair. Bacteriophages. Bacterial virulence factors and vaccines.

Other information of interest:

Secretary of the Genetics and Microbiology Department of the Autonomus University of Barcelona (UAB).

Coordinator of the Molecular Microbiology Research Group at UAB

Three main or most recent publications:

Frutos-Grilo E, Marsal M, Irazoki O, Barbé J, Campoy S. 2020. The interaction of RecA with both CheA and CheW is required for chemotaxis. *Frontiers in Microbiology* 11:583. <https://doi.org/10.3389/fmicb.2020.00583>.

Irazoki O, Campoy S, Barbé J. The transient multidrug resistance phenotype of *Salmonella enterica* swarming cells is abolished by sub-inhibitory concentrations of antimicrobial compounds. 2017. *Frontiers in Microbiology* 8:1360. <https://doi.org/10.3389/fmicb.2017.01360>.

Irazoki O, Aranda J, Zimmermann T, Campoy S, Barbé J. 2016. Molecular interaction and cellular location of RecA and CheW proteins in *Salmonella enterica* during SOS response and their implication in swarming. *Frontiers in Microbiology* 7:1560. <https://doi.org/10.3389/fmicb.2016.01560>.

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Keywords:

Bacterial virulence. Iron up-take. DNA Repair. SOS system. Bacterial motility. Bacteriophages. Phage therapy and phage resistance mechanisms.