

## POSTER PARTY I (27<sup>th</sup> June, 19.00-21.00)

### Molecules and Cells

**Short communication #1:**

Choudhary DK: How CRISPR-Cas systems of halophilic archaea affect gene exchange and evolutionary processes

**Short communication #2:**

Pastor-Soler S: Transcriptional and physiological characterization of a MarR regulator involved in the nitrogen metabolism of *Haloferax mediterranei*

**Short communication #3:**

Argandoña M: A “many to one” signaling system involved in osmoadaptation of the moderate halophile *C. salexigens*

**Short communication #4:**

Alonso-Ravelo R: Production of extracellular vesicles by *Haloquadratum walsbyi*

**Short communication #5:**

Nicholls J: The undiscovered potential for polyphosphate metabolism within haloarchaea

**Short communication #6:**

Miralles-Robledillo JM: Iron homeostasis in haloarchaeal denitrification, from transcriptomics to single target proteins

**Short communication #7:**

Bernabeu E: Analysis of TetR-family regulator: Implication in metals homeostasis in *Haloferax mediterranei*

**Short communication #8:**

Bartha E: *In vitro* evolution to extend the salinity growth range of extremely halophilic and halotolerant microorganisms

### Halophiles and Humans

**Short communication #9:**

Tripon AM: Sugarcane molasses – a sweet way to “green plastics” using *Halomonas elongata*

**Short communication #10:**

Simica AG: *Haloferax mediterranei* as a bioplastic biofactory

**Short communication #11:**

Zolotariof A: Biological function and fructan biosynthetic activity of the haloarchaeal GH32 and GH68 enzymes

**Short communication #12:**

Maya-Hun G: Search for anticancer enzymes obtained from halophilic and halotolerant bacteria from the Atacama Desert

**Short communication #13:**

Scott A: Harnessing the biosynthetic potential of Great Salt Lake *Actinobacteria*

**Short communication #14:**

Amils R: Fishing for antibiotic-producers in intertidal waters

**Short communication #15:**

Antón T: Chrome azurol S (CAS)-based methods for the detection and semiquantification of siderophores in halophilic bacteria

**Short communication #16:**

Arranz A: Exploring the potential of moderately halophilic bacteria for the synthesis of biosurfactants and siderophores

**Short communication #17:**

Martínez-Martínez L: Metabolic adaptation analysis of *Chromohalobacter salexigens* by multiomics data integrative approach

**Short communication #18:**

Gómez-Villegas P: Insights into the microbial communities in the Odiel saltern ponds (SW, Spain) and their biotechnological applications

**Short communication #19:**

Mira-Muñoz RM: Phycobiliprotein production of the halotolerant cyanobacteria *Synechococcus elongatus*

**Short communication #20:**

Harfi N: Heavy Metal Nanoparticle Production in *Haloferax mediterranei*