

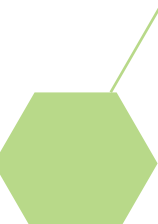


Giovedì 11 maggio, ore 12:30

presso l'Aula Magna Viale Regina Elena 295

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***Antibiotics and metal:
new facts to an old story***

Iron sulphur (Fe-S) clusters rank among the most versatile, well-conserved prosthetic groups and Fe-S proteins contribute to a wide array of biological processes, from DNA replication to respiration. Recently we discovered a new facet of Fe-S based biology in deciphering the molecular basis of *E. coli* resistance to aminoglycosides (AG) (Ezraty et al., 2013). This led us to underline the complex relationships between metal in general, and Fe in particular, and antibiotics (Ezraty and Barras, 2016). We are now investigating the influence of another metal, silver, on resistance/sensitivity to AG of *E. coli* and *Clostridium difficile*, a bacterium known to be highly recalcitrant (Herrisse et al., 2017).



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