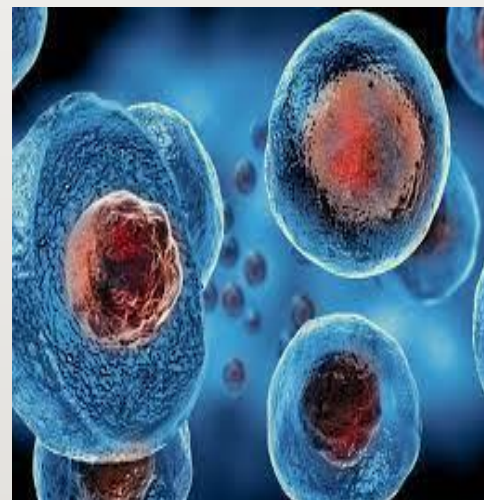
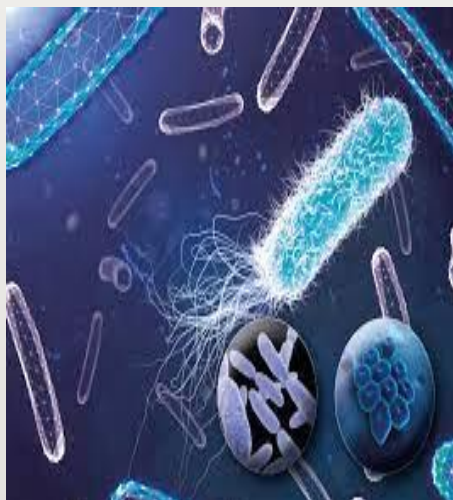
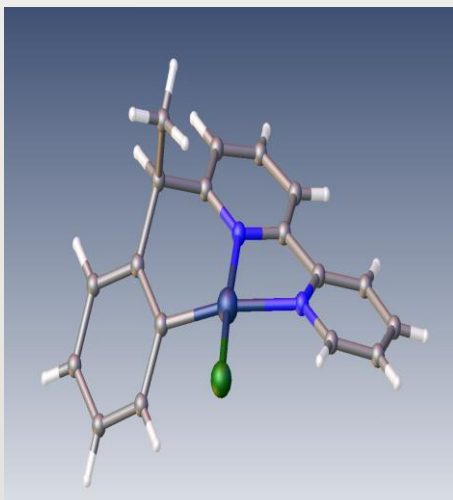


WORKSHOP PRIN PNRR P2022PZ8JE PROJECT

NOBLE METAL COMPLEXES WITH HETEROCYCLIC NITROGEN LIGANDS: APPLICATION AS ANTIMICROBIALS

13 FEBRUARY 2025, 11:00 – 14:00

**“Aula Consiliare” - Didactic Building - Via Vienna 2, Sassari
Department of Chemical, Physical, Mathematical and Natural Sciences
University of Sassari (Sassari)**



The project arises from the need to tackle the threat of antimicrobial resistance, one of the most pressing public health problems worldwide. The research program is focused on the design and synthesis of new inorganic and organometallic complexes of noble metals as promising novel antimicrobial drugs. The medium-term workshop is part of the communication and dissemination activities of the project and reports the preliminary results regarding the synthesis of new ligands, complexes and their biological activity.

Speakers:

Prof. Antonio Zucca - University of Sassari

Design and synthesis of noble metal complexes with nitrogen ligands as a novel class of antimicrobials

Dr. Alessandra Scano - University of Cagliari

Evaluation of antimicrobial and antitumor activity of noble metal complexes with pyridine-derived ligands

Dr. Maurizio Solinas – CNR-ICB

Synthesis, characterization and G-quadruplex interaction studies of new “click ligands”

Prof. Germano Orrù - University of Cagliari

New antimicrobials for emerging pathogens in the clinical field

Prof. Sergio Stoccoro - University of Sassari

Synthesis and characterization of 3-substituted 1-(2-pyridyl)imidazo[1,5-*a*]pyridine ligands. Structural and conformational studies

Research units involved in the project:

- The Sassari CNR-ICB Unit (CNR-ORG, organic synthesis).
- The Sassari University Unit (UNISS-INORG, synthesis of inorganic and organometallic complexes).
- The Cagliari University Unit (UNICA-BIO, studies of antimicrobial activity and toxicity).

Scientific Responsibilities:

Prof. Antonio Zucca zucca@uniss.it – Principal investigator

Dott.ssa Alessandra Scano alessandra.scano77@unica.it – UNICA Research unit responsible

Dott. Maurizio Solinas maurizio.solinas@cnr.it – CNR-ICB Research unit responsible