

SERVIZIO SANITARIO REGIONALE
EMILIA-ROMAGNA
Azienda Unità Sanitaria Locale di Reggio Emilia

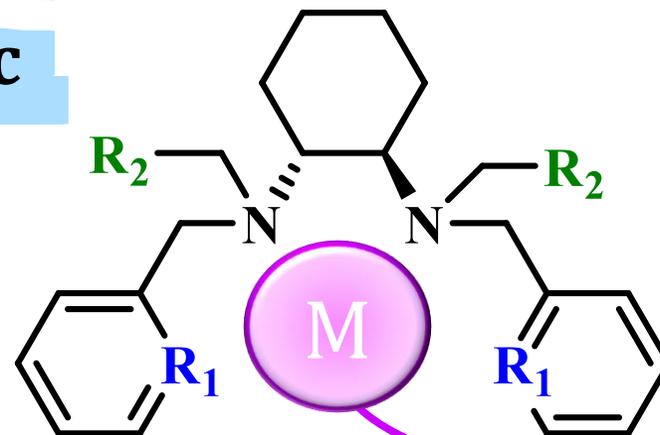
Arcispedale
Santa Maria Nuova-IRCCS

PROPOSAL 2

THERANOSTICS

New chelators for emerging radionuclides for theranostics

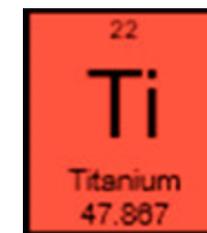
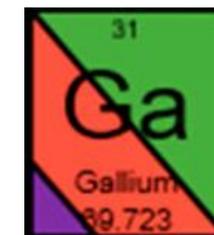
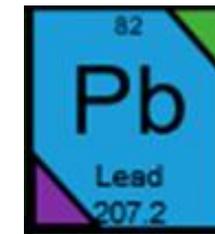
Acyclic



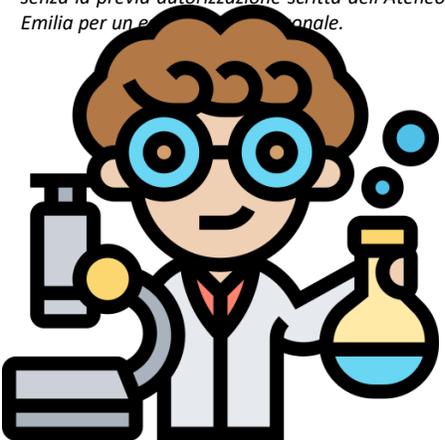
R_1 : -N, -COH

R_2 : -COOH, -CONH₂, -Py ...

Chelators

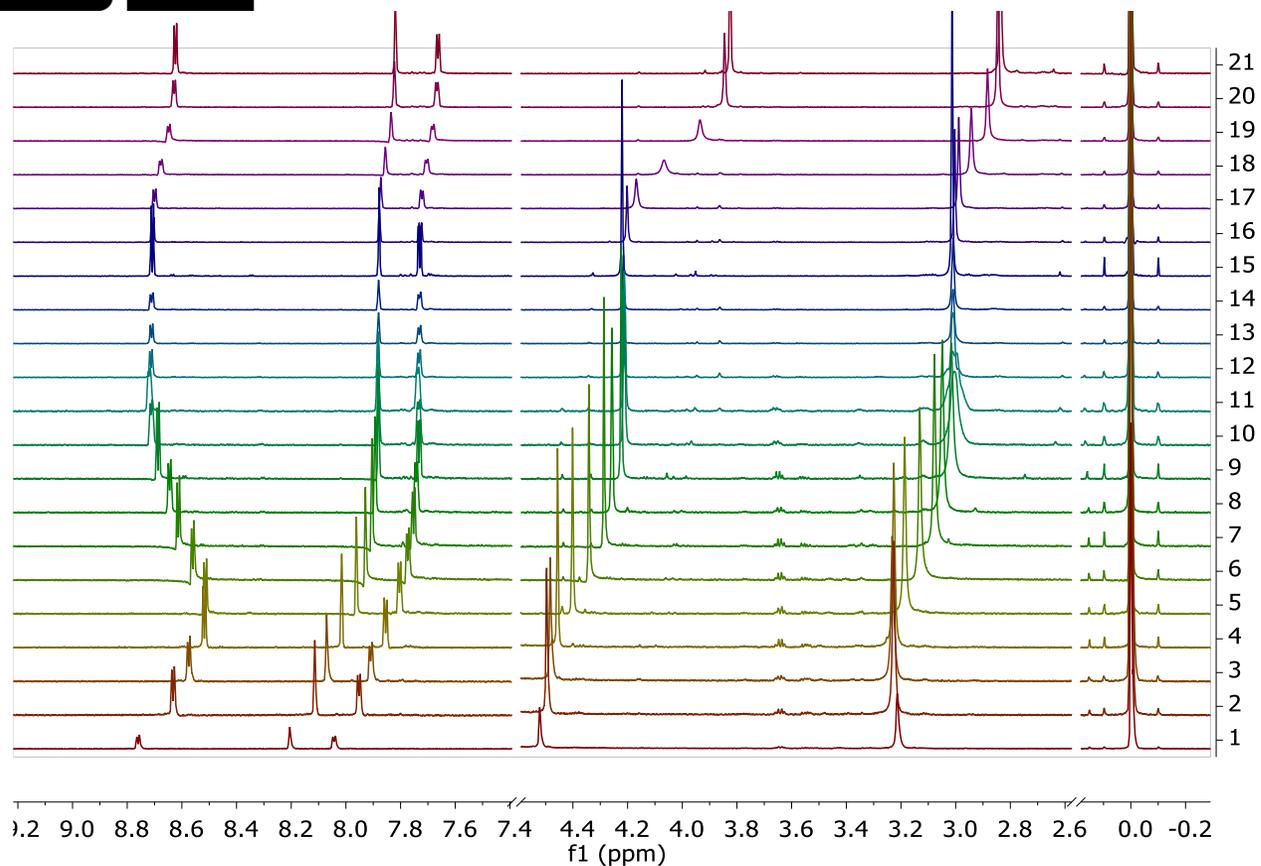


Jennifer



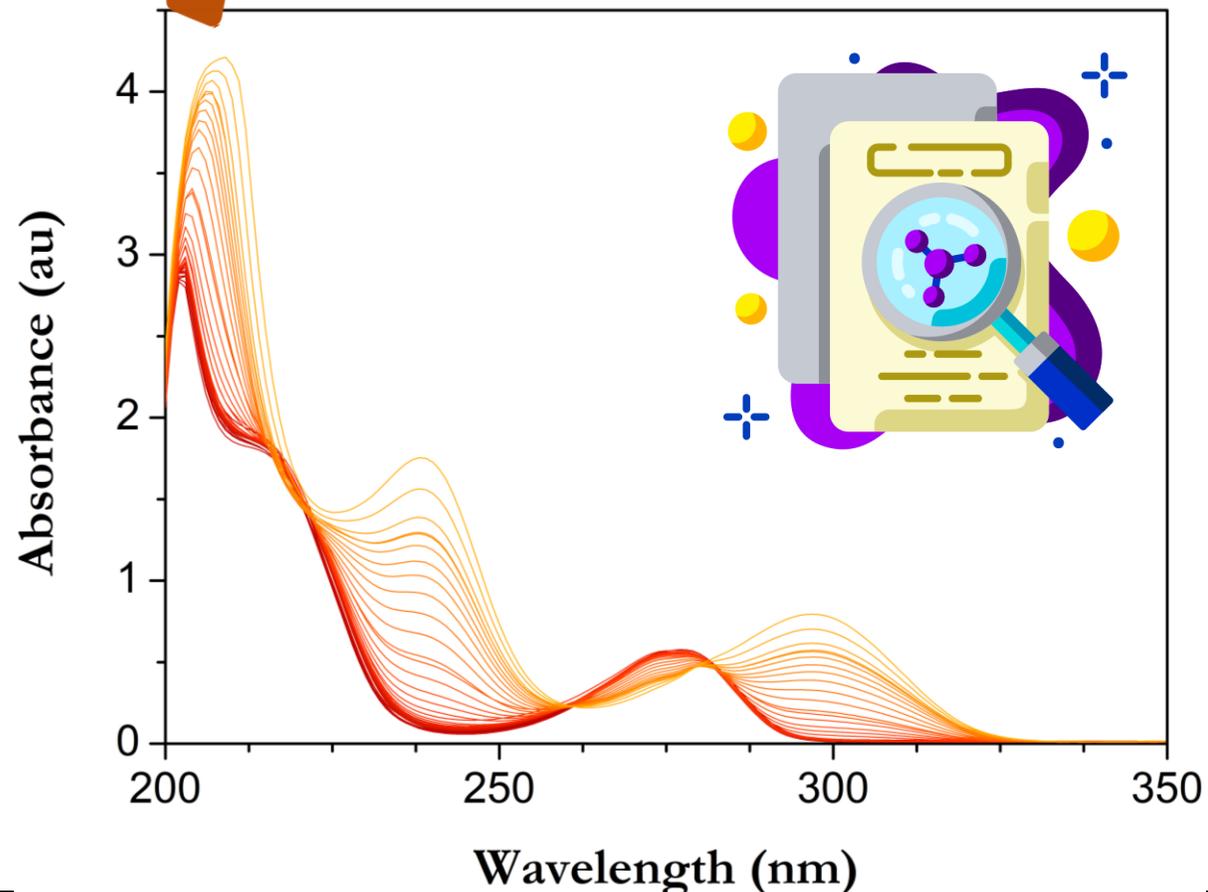
Ligand synthesis, Characterization & Complex Formation:

- UV-Vis spectroscopy
- NMR spectroscopy
- LC-MS spectrometry



In vitro testing

- Stability
- Chelating ability
- Trans-metallation/Trans-chelation



From Bench to Mouse-Side



Marianna



Mattia



Erika Ferrari, Marianna Tosato,
Matteo Mari, Jennifer Storchi

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Ufficio 2 Piano

MEDICINAL INORGANIC CHEMISTRY
(**MIC-MORE**)

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