



## Intereses de la Investigación

### Protein Engineering and Design

- Protein engineering.
- Molecular Evolution.
- Ancestral Protein Resurrection.
- Artificial enzymes.
- Molecular basis of antibiotic resistance.
- Relation structure-energetics in proteins.
- Protein folding.
- Solvent effects on protein stability.
- Electrostatic contributions to protein stability.
- Design of thermostable proteins through optimization of the surface charge-charge interactions.
- Biomolecular interactions.
- Protein evolution.
- Protein folding barriers.
- Downhill folding.