



INTERNSHIP SERVIER

in Croissy-sur-Seine (78)

Internship in Molecular Modeling and Cheminformatics (M/F) 6 months (ref : GBE-2019/MODMOL)

Servier is an international pharmaceutical company governed by a non-profit Foundation and headquartered in France. With a strong international presence in 148 countries and a turnover of 4 billion euros in 2016, we employ over 21,000 people worldwide and more than 2,000 in R&D, in Paris area.

Being completely independent, we reinvest 25% of turnover (excluding generics) in Research and Development and use all our profits in growth. We are specialized and driven by our constant search for innovation in five major areas: cardiovascular disease, cancer, diabetes, immuno-inflammatory disease and neuropsychiatry, as well as by our activities in high-quality generic drugs.

MAIN RESPONSABILITIES

Within our department of Molecular Modeling and Cheminformatics, you will contribute to an ongoing research project. You will be in charge of homology modeling, explicit solvent/membrane Molecular Dynamics simulations, molecular docking, and QSAR model. Your main tasks are :

- Create a homology model of the voltage-gated sodium channel subunit 5,
- Assess the dynamics of your new structure inside a membrane,
- Optimize a virtual screening protocol using known active compounds on this target,
- Create and build a QSAR model to predict the activity on voltage-gated sodium channel subunit 5,
- Evaluate your QSAR and compare it to the already published models.

PROFILE

- Master or engineering school in Molecular Modeling, Cheminformatics, Organic Chemistry or Pharmacology
- Skills in computer sciences
- Knowledge of molecular docking, dynamics and QSAR methods is highly recommended

To apply or to acquire more details concerning the position, please contact :

recrutement.idrs.croissy@servier.com