

Aude Ouvrier-Buffer



24/05/1988

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LinkedIn, Twitter

Master's degree Drug Design

Open to PhD position in theoretical chemistry or chemistry

One year experience in molecular modeling

SUMMARY

Research experiences in molecular modeling for Drug Design (Structure-based drug design, All-atom and Coarse-grained Molecular Dynamics simulations) in computer interface and in command lines. Organic chemistry and project management.

EDUCATION

Initiation to python for data analysis (certificate) **12/2020**

Openclassrooms, online

Begin your project with python (certificate) **11/2020**

Openclassrooms, online

An initiation to AI (certificate) **10/2020**

Openclassrooms, online

External candidate: Polymer chemistry, Molecular Modeling **2019**

Université de Mons, Belgium

Improvement of English **2017-2018**

Wall-Street English, France

Master's in Drug Design **2017**

Université de Caen-Normandie, France

RESEARCH EXPERIENCE IN LABORATORY

Technician in organic chemistry 9/2020 - 10/2020

LCMT in Caen, France

Title: Cytisine fonctionnalisation within the frame of a Labfact project

Advisor: Pr Jacques Rouden

Research assistant position 2018-2019

CMN in Mons, Belgium

Title: Molecular Dynamics simulations to design sequence-defined oligomers to recruit antibodies on cancer cells.

Advisors: Pr Mathieu Surin, Dr Mathieu Fossépré

Research experience in Master's 2017

COBRA, Rouen and CERMN in Caen, France

Organic synthesis and Molecular Modeling respectively

Master thesis title: Organic synthesis to target DYRK and pharmacophoric approach and Docking to target Mcl-1/Bcl-xL

Advisors: Pr Thierry Besson, Dr Corinne Fruit in Rouen, Pr Ronan Bureau in Caen

TEACHING EXPERIENCE

In 2018-2019, I participated to teach molecular modeling to students in Bachelor's degree during three hours of practical work.

SCIENTIFIC SKILLS

Molecular Modeling: Conformational analysis, Docking and All-atom, Coarse-grained Molecular Dynamics.

Docking software: Glide (Schrodinger interface).

Molecular visualisation: PyMOL, VMD

Data analysis: SciDavis

Chemistry: Organic synthesis, Flash chromatography, Purification and ¹HNMR.

Research software: ChemDraw

COMPUTER SKILLS

MacOS, Linux, Microsoft office software

LANGUAGES

French (native), English (fluent)

REFERENCES

Modeling

mathieu.surin@umons.ac.be

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Organic chemistry

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corinne.fruit@univ-rouen.fr

HOBBY

Horse-riding

Galop1 and Galop2

Federation francaise d'equitation (FFE)