

ERASMUS Internship in the Košmrlj group at the University of Ljubljana

Duration: 6 months

Commitment: Full-time

Description: Our group is looking for a passionate, talented, and knowledgeable synthetic organic chemist with proven experience to join a collaborative and innovative team alongside our industrial partner (dr. Rahul Vohra, DeutraChem) based in Ottawa, Canada. You will be responsible for the synthesis of novel small molecule deuterated medicinal compounds. Our job is to design synthetic pathways to deuterated compounds currently in high demand by the pharmaceutical industry.

Key responsibilities:

- Synthesis of small molecules.
- Material handling and characterization.
- Good lab practice in terms of safety, diligence and accurate record keeping.
- Data analysis, processing, and reporting.
- Research and keeping up to date with drug developments in the sector.
- Collaborating with medical professionals on the project.
- Prepare reports, manuscripts, and presentations.
- Working alongside other students and researchers in the lab and office.
- Carrying out certain duties and tasks to ensure the smooth running of our laboratories.

Key skills and experience:

- Experience with organic synthesis and purification of small molecule intermediates.
- Prior experience with characterization methods such as NMR, FTIR, melting point determination is beneficial.
- An excellent understanding of organic chemistry and a passion for medicinal chemistry and pharmacy.
- Interest in projects relating to drug design and development.
- Degree qualified, preferably with a bachelor's qualification in a related field.
- Deadline-oriented, inquisitive, with great follow-up and reporting skills.
- Excellent attention to detail, with the ability to maintain a high level of accuracy.
- A high level of self-motivation and independence.
- Ability to deal with sensitive information with discretion and to maintain confidentiality.
- English level of at least B2.

You will be a part of our international, talented, and inspiring team. You will also get the opportunity to synthesize new drugs which will be tested by international partners.

Compensation:

- No financial compensation

Contact:

- dr. Ross Jansen-van Vuuren (Ross.JansenvanVuuren@fkkt.uni-lj.si)