



IMP TRAINING PLACEMENT OFFER



UNIVERSITY OF HELSINKI

PARTNER

Name

University Of Helsinki. Faculty of Pharmacy, Division of Pharmaceutical Chemistry and Technology, Drug Discovery Unit

Description

The Drug Discovery group of the Division of Pharmaceutical Chemistry and Technology is one of the four multidisciplinary research groups within the Division. Focusing on drug discovery and applying and developing methods in medicinal chemistry, particularly organic synthesis, molecular modelling and drug metabolism, the group is unique at the University of Helsinki in translating the increasing structural information of drug targets or ligands into the synthesis of novel low molecular weight compounds or other types of analogues that do not exist in the current commercial compound libraries.

Web

<http://www.helsinki.fi/pharmacy/chemtech/en/index.html>

PLACEMENT

Area

Medicinal Chemistry Synthesis

Name

Trainee in Medicinal Chemistry Synthesis

Description

Biodiversity in the sea is a potential source for novel drug candidates. Bromotyrosines are alkaloids isolated from the marine sponge *Psammaplysilla purpurea*. The goal for this medicinal chemistry study at the Drug Discovery unit is to synthesize analogues, derivatives and mimetics of marine bromotyrosines. The trainee will synthesize a small library of marine-based purpurealidin analogs to be screened against several types of targets (e.g. microbes, viruses, and cancer) by our collaborators. Synthetic medicinal chemistry approaches will be highly focused and iterative with biological testing. This project is a continuum of MAREX (EU FP7 Project 2010-14): Exploring Marine Resources for Bioactive Compounds - From Discovery to Sustainable Production and Industrial Applications

Location

Helsinki, Finland

Duration

3 months starting on 15th June

Salary

1165 euros/month

Qualifications

Mandatory: Organic Synthesis Laboratory Experience
Preferably: Knowledge of Medicinal Chemistry
Special requirements: Basics of NMR

Reception

Performed by national IMP Coordinator

APPLICATION

Deadline

17th of April | 12.00 CET

More Info

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- central.imp@epsa-online.org | Central IMP Coordinator | Jure Levstik