PhD position in design and evaluation of intra-articular drug delivery systems for osteoarthritis

available at the Pharmaceutical Technology research unit of the Geneva-Lausanne School of pharmaceutical sciences, Geneva, Switzerland

Title:
Design and in vivo evaluation of delivery systems containing DMOAD for the local treatment of osteoarthritis.

Project description:
Osteoarthritis is mainly treated by analgesic drugs, local injections of corticosteroids and hyaluronic acid. These treatments are suboptimal since they do not slow down the progress of the disease. Research in our lab is ongoing for the development of new drug delivery systems releasing locally drug-modifying osteoarthritis drugs (DMOAD) during prolonged periods of time.
The aim of the proposed project is to participate to the development of new drug delivery systems and to evaluate them with biological tests in vitro as well as to tests them on murine animal models of osteoarthritis and inflammation.

Start: 01.06.2015
Duration: 4 years
Supervision: Prof. Eric Allémann, Dr. Olivier Jordan
Requirements: The candidate holds a master in Pharmaceutical sciences, Pharmacy, or an equivalent degree. The ideal candidate is highly motivated, inventive, team player, well organized and has an excellent command of English. The candidate is willing to do lots of bioactivity and toxicity tests in vitro as well as, after being trained for animal experiments, to test formulations on murine animal models. Previous experience with animal handling (and experiments) will be an asset.
The PhD student will have a position of part-time assistant He/she will participate to training and teaching for undergraduate students.
Salary: The salary will follow the standards of the Geneva-Lausanne School of Pharmacy.

For additional information please contact: Prof. Eric Allémann (eric.allemann@unige.ch)