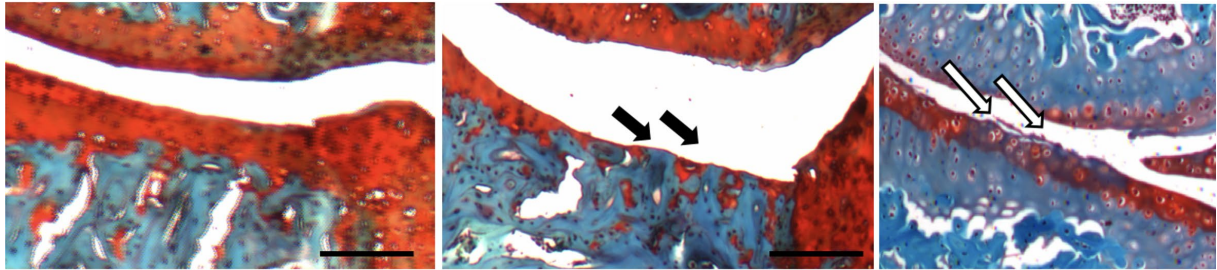


Stage de Master, Biologie cellulaire ou Biochimie (October 2021)

Groupe de recherche fondamentale en Chirurgie Orthopédique du Pr Didier Hannouche, Département de Chirurgie Orthopédique, HUG/CMU, Faculté de Médecine, Genève.



Master project in 2021-2022 in the pathophysiology of osteoarthritis

We are looking for an ambitious MSc candidate, who would be part of an amazing project on the role of NOX4 on the pathophysiology of osteoarthritis.

Osteoarthritis (OA) is a complex disorder that affects many joints and many patients around the world. It is characterized by articular cartilage destruction, changes in subchondral bone tissue and synovial inflammation, and is responsible for a major burden of disease. There is currently no efficient treatment for OA, besides the prosthetic replacement of the joint.

OA is associated with an important oxidative stress due to the exposure of reactive oxygen species. In the current project, we aim at evaluating the role of NOX4 in the pathophysiology of OA, and if a knock-out for NOX4 will prevent the development of OA in an experimental animal model.

We are looking for motivated students with skills in cell culture, FACS analysis, and molecular biology. Students will have the opportunity to interact with other members of the lab and take part in regular weekly lab meetings. Excellent level in French and English would be appreciated. The position is available starting 1st October 2021, or as soon as possible.

For more information, please contact :

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