Radboudumc
university medical center

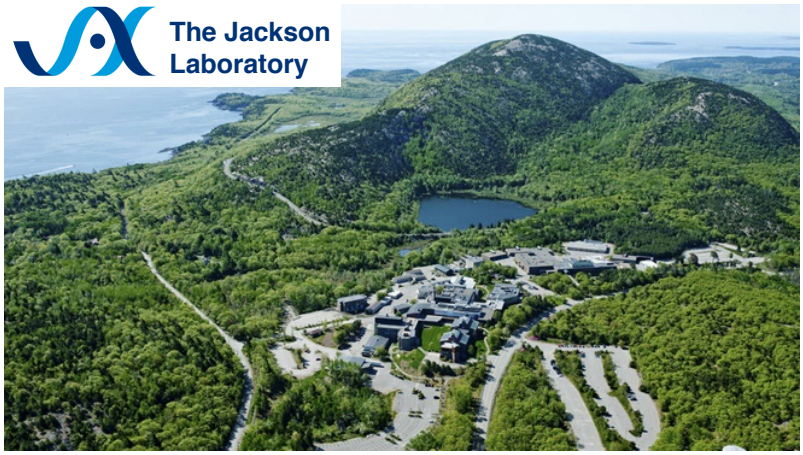
Deciphering the function of a novel protein involved in magnesium balance

MSc's internship

Are you interested on kidney physiology and want to do an internship abroad?

This is your opportunity to contribute to new findings in kidney research and develop yourself as a scientist by working at the Department of Physiology and The Jackson Laboratory (USA)

The Jackson Laboratory



Institute for Molecular Life Sciences
Radboudumc

Magnesium

- 2nd most abundant intracellular ion
- Alterations in Mg^{2+} balance are associated to several diseases (e.g. Type II diabetes)
- Mg^{2+} deficiency can be due to impaired kidney function
- A new protein playing a role on Mg^{2+} balance has recently been identified

Project aim

Decipher the function of a novel protein involved in Mg^{2+} balance and unravel the molecular mechanisms by which it regulates Mg^{2+} handling in the kidney.

Clinical relevance

This project will contribute to the discovery of potential therapeutic targets and biomarkers of electrolyte-related kidney disease.

Contact
Department of Physiology – Ion Transport Group www.physiomics.nl
Dr. Maria Ibars Serra; Tel: 024-36 13684; email: Maria.IbarsSerra@radboudumc.nl