



PhD position in fish biology

The EU Marie Skłodowska---Curie Initial Training Network (ITN) on "*Improved production strategies for endangered freshwater species*" (IMPRESS) is looking for a highly motivated and talented scientist to apply for a PhD position at the Faculty of Agriculture, Food and Environment of the Hebrew University, Israel.

IMPRESS offers a highly interdisciplinary and international training for 15 PhD students throughout the EU. In addition to conducting research, students are enrolled on an extensive programme of short training courses, and secondments at other partner institutions.

The main aim of MPRESS is to develop new technologies and approaches for improved production, management and conservation of three threatened diadromous fish species, the European eel, Atlantic salmon and the sturgeons. Interested candidates can obtain further information on the research and training objectives of IMPRESS at the website: www.impress---itn.eu.

This specific PhD project will determine the interaction between the gonadotropins and their receptors of a late---maturing fish, namely the sturgeon, towards the development of novel methods for enhancement of reproduction. **The candidate need to be familiar with computational techniques to study GPCR modeling, docking and 3D modeling.**

Main Methods: a) GPCR modeling b) gonadotropin modeling c) RNA---seq and analysis d) ELISA d) cloning of novel sequences

Supervisor: Professor Berta Levavi-Sivan (email: berta.sivan@mail.huji.ac.il)

Please note that according to EU regulations the candidate cannot have resided for more than 12 months during the previous 3 years in the prospective host country.

Group website:

http://departments.agri.huji.ac.il/animal/staff/faculty_staff/sivan_berta/index.php

To apply, please send a 1---page letter explaining why this project interests you, including experience and skills related to the qualifications above, your CV, and contact details of three references, all as a single PDF with the subject line of your name. Please note that according to EU regulations the candidate cannot have resided for more than 12 months during the previous 3 years in the prospective host country. Review of applications will begin immediately. Interested candidates should contact Professor Berta Levavi---Sivan (email: berta.sivan@mail.huji.ac.il)

Application deadline: February 1st, 2016