PhD position: Nutritional regulation of growth in sea anemones

PhD position:
There is a vacancy for a PhD position at the Sars International Centre for Marine Molecular Biology (www.sars.no/) affiliated with the project “Evolution of nutrient homeostasis and growth in animals” in the lab of Dr. Patrick Steinmetz. The position is funded by Sars Centre core funding. The Sars Centre belongs to the University of Bergen and is partner with The European Molecular Biology Laboratory (EMBL) www.embl.de/. The position is in collaboration with the Faculty of Mathematics and Natural Sciences at the University of Bergen. The place of work will be at the Sars Centre.

About the project/work tasks:
The research group ‘Evolution of nutrient and growth homeostasis in animals’ is interested in understanding the evolution of the cells and molecules that regulate the balance between nutrient availability and growth in animals. The successful applicant will study how starvation-induced degrowth is controlled in the sea anemone Nematostella vectensis. The project may also involve studying key aspects of degrowth in the sea anemone Aiptasia pallida in a comparative context. State-of-the-art functional techniques (CRISPR mutants & knock-in lines, transgenesis), and a diverse range of approaches from developmental biology, genetics, physiology and genomics are available for functional and genomic studies in Nematostella.

Qualifications and personal qualities:
- The applicant must hold a master’s degree or the equivalent in biology, and must have submitted the master’s thesis for evaluation prior to the application deadline. It is a condition of employment that the master’s degree has been awarded
- Proven experience in basic molecular biology methods is a requirement
- Prior experience with ‘emerging’ model organisms (e.g. cnidarians, sponges, planarians or others) in the fields of genetics, developmental biology, cell biology and/or molecular physiology is highly beneficial
- Prior experience in analysing next-generation sequencing datasets is beneficial, but not essential
- A strong motivation to perform research at an internationally competitive level is expected
- We are seeking a candidate with strong interests in evolutionary, physiological and/or ecological aspects of animal development
- The ability to work both independently and to cooperate with others in a structured manner is essential
- Proficiency in both written and oral English is a requirement

About the PhD position (applies to university PhD positions):
The fellowship position is for a fixed term of 4 years, of which 25% will comprise obligatory duties associated with research, teaching and dissemination of results (e.g. supervision of Master students, conference attendances). The employment period may be reduced if you have previously been employed as a research fellow/research assistant or the like.

About the research training:
As a PhD Candidate, you must participate in an approved educational programme for a PhD degree within a period of 3 years (without other mandatory tasks at the centre). A final plan for the implementation of the research training must be approved by the faculty within two months after you have commenced in the position. It is a condition that you satisfy the enrolment requirements for the PhD programme at the University of Bergen.

We can offer:
Your application must be in English and include:

- A brief account of the applicant's research interests and motivation for applying for the position
- The names and contact information for two reference persons. One of these must be the main advisor for the master's thesis or equivalent thesis
- CV
- Transcripts and diplomas showing completion of the bachelor's and master's degrees, or official confirmation that the master's thesis has been submitted
- Approved documentation of proficiency in English unless exempt, see here: [English language requirements for PhD admission](#)
- Relevant certificates/references
- Publication list (if any)

The application and appendices with certified translations into English or a Scandinavian language must be uploaded at Jobbnorge.

**Closing date for application:** 10 January 2021.

**General information:**
Detailed information about the position can be obtained by contacting: Group Leader Patrick Steinmetz, email: patrick.steinmetz@uib.no.

The state labour force shall reflect the diversity of Norwegian society to the greatest extent possible. People with immigrant backgrounds and people with disabilities are encouraged to apply for the position.

We encourage women to apply. If multiple applicants have approximately equivalent qualifications, the rules pertaining to moderate gender quotas shall apply.

The University of Bergen applies the principle of public access to information when recruiting staff for academic positions.

Information about applicants may be made public even if the applicant has asked not to be named on the list of persons who have applied. The applicant must be notified if the request to be omitted is not met.

The successful applicant must comply with the guidelines that apply to the position at all times.

For further information about the recruitment process, click [here](#).

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**Life as a PhD candidate at UiB**
Marion Claireaux tells about life and work as a PhD candidate at UiB.

Video: [https://www.youtube.com/watch?v=nrtp6VxMeJ4&index=2&list=PL6ZIYfAOqRTh6StbSSq0ISo6G](https://www.youtube.com/watch?v=nrtp6VxMeJ4&index=2&list=PL6ZIYfAOqRTh6StbSSq0ISo6G)

Jobbnorge-ID: 196557, Søknadsfrist: 10. januar 2021