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LAVAL

## Postdoctoral Research Fellowship - Arctic Marine Ecology

Université Laval, Quebec City, Canada

**Job Description:** The project, initiated in 2015, is a research partnership among the W. Garfield Weston Foundation, Parks Canada, ArcticNet and Québec-Océan with the objective of studying the marine ecosystems of the Kitikmeot, the southern part of the Canadian Arctic Archipelago. Activities include annual sampling of benthos, zooplankton, ichthyoplankton and fish from the research icebreaker CCGS *Amundsen*; acoustic surveys documenting fish and zooplankton biomasses; the recovery and redeployment of two oceanographic moorings; surveys of marine mammals and birds by Inuit wildlife observers; seminars at scientific conferences and outreach activities. The project benefits from the services of a full-time research professional experienced in CHN elementary analyses, otolithometry, Arctic phyto-, zoo- and ichthyoplankton taxonomy. Undergraduate students are hired during the summer to help with the project. The Postdoctoral researcher will be able to participate in an ongoing research program and develop new research based on their interests and expertise with researchers at Université Laval as well as with other universities and external colleagues. The position is supervised by Prof. Louis Fortier, Canada Research Chair on the response of arctic marine ecosystems to climate change.

### Areas of research include:

- Zooplankton ecology and physiology
- Ichthyoplankton assemblages, larval fish ecology
- Ecological studies of benthic and/or pelagic fish
- Hydroacoustic studies of zooplankton and/or fish

**Qualifications:** This position is open to scientists from diverse backgrounds including marine ecology, biological oceanography and fisheries science. Applicants must have completed their Ph.D. by the position start date. Prior experience with arctic ecosystem research is desirable. The successful applicant must be an autonomous researcher adept at working with multiple researchers with varying backgrounds. Strong organization, communication and writing skills are also required for coordinating research with colleagues.

The following skills are highly desirable:

- Strong statistical analysis skills
- Excellent research design, organization, communication, and writing skills
- Ability to manage a budget
- Ability to coordinate laboratories analyses
- Willingness to take part in fieldwork, up to six weeks at the time

**Position summary:** Full-time temporary employment. The position is funded for 24 months from January 2017 to December 2018. The position is based at Université Laval in Quebec City, Canada.

**Instructions:** Applicants should submit a cover letter that highlights their skills and abilities in areas relevant to this position, a curriculum vitae, up to three representative publications and contact information of three references before December 15<sup>th</sup> 2016 to Caroline Bouchard (Caroline.Bouchard@qo.ulaval.ca).