

Post-doctoral position ocean mesoscale/submesoscale dynamics at McGill

We have funding for a postdoctoral researcher to start in summer 2019. The project addresses issues relating to balance and imbalance, as reflected in the ocean sea surface height field and at horizontal scales near the mesoscale-submesoscale transition. The approach uses a mixture of theory and idealized numerical simulations. The work could also involve a surface gravity wave modelling component, the idea there being that surface wave-modification of the effective wind forcing impacts sea surface height. The context of the project is the ocean topography component of the upcoming SWOT mission. It is expected that SWOT will measure, at least in places, sea surface height on scales where the distinction between balance and imbalance becomes blurred. The project thus aims to help clarify how to interpret these measurements. We expect to be able to offer a salary of about \$45,000 per year for at least two years; however, the amount may be negotiable, subject to confirmation of additional funds. Interested applicants should contact David Straub, david.straub@mcgill.ca (please put SWOT Postdoc in the subject line). Other team members include Louis-Philippe Nadeau, UQAR (Québec) and Peter Bartello of McGill.