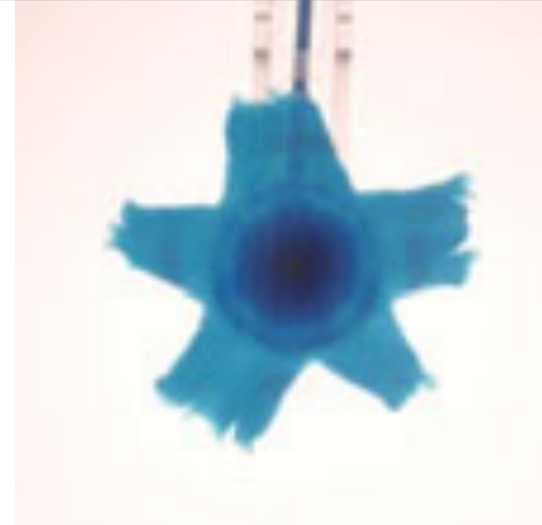


Postdoc fellowships

Instabilities in ice flow and the genesis of ice streams

A GIF – funded project



Background: Ice streams are bands of fast-flowing ice that carry most of the ice flux from ice sheets towards the ocean. The flow of many ice streams is believed to be strongly controlled by complex lubrication networks located underneath the ice and consisting of water and deformable sediments. From a fluid dynamical perspective, such a phenomenon can be modelled as a viscous gravity current of a complex fluid that turns unstable due to the reduction of traction along its base caused by a lubricating fluid.

Research goals: Investigate the mechanism of such an instability and the potential genesis of ice streams by combining laboratory experiments, theoretical analyses, numerical simulations and geophysical observations (collaboration with Angelika Humbert, Alfred Wagner Inst., Germany)

Available fellowships: Two fellowships, each for 2 years, possible 1 year extension.

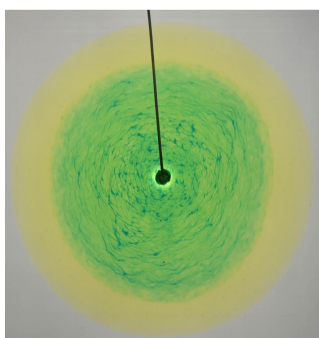
- (i) Postdoc (Experimental fluid mechanics).
- (ii) Postdoc (Theoretical fluid mechanics).

Start date: A.S.A.P.

Qualifications: Strong background in experimental or theoretical fluid dynamics, excellent oral and writing skills in English. Background in ice dynamics is an advantage.

How to apply: email to roiy@bgu.ac.il

- CV, Statement of interest, Two reference letters
- Application deadline: **July 4th**



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