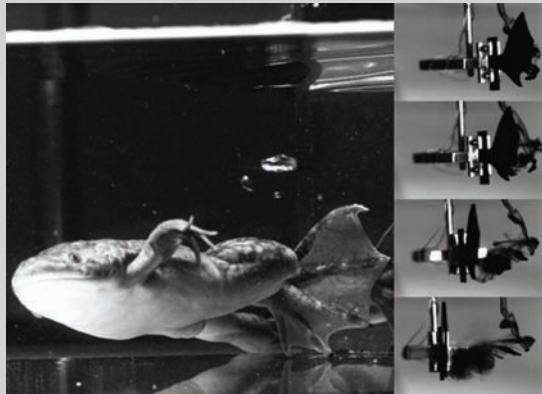


ROWLAND JUNIOR FELLOWS PROGRAM

The Rowland Junior Fellows program provides young scientists the opportunity to perform independent experimental research for five years with full institutional support and access to the Institute's outstanding technical and scientific resources. The Rowland Institute currently has eight Junior Fellows. This fall candidates in all the natural sciences (physics, chemistry, biology,...) as well as in engineering will once again be considered, with special attention given to interdisciplinary work and to the development of new experimental methods.

The Fellows will be selected for their scientific achievement, the creativity of their ideas, their resourcefulness as experimentalists, and their ability to work independently.

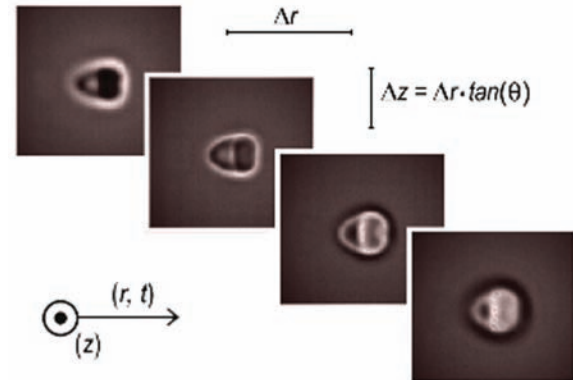


Muscle-powered swimming robot mimics the propulsive behavior of *Xenopus laevis* frog. (RJF Chris Richards)

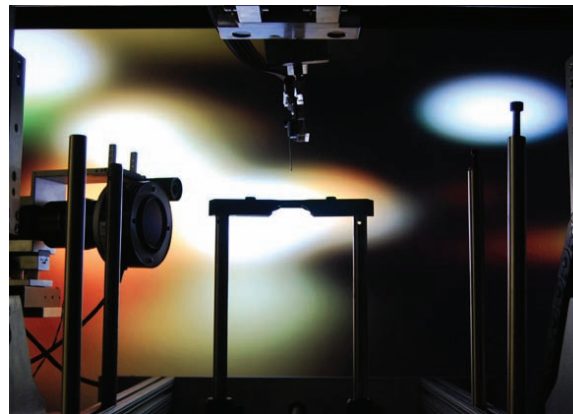
The appointment will be for a maximum of five years, with continuation past three years contingent on a favorable internal review. Although no rigorous restriction is placed on prior experience and career path, the typical new appointee will have just completed a Ph.D. or have up to two years postdoctoral experience. The salary will depend on field and years of experience, but will be at least \$61,000 a year.



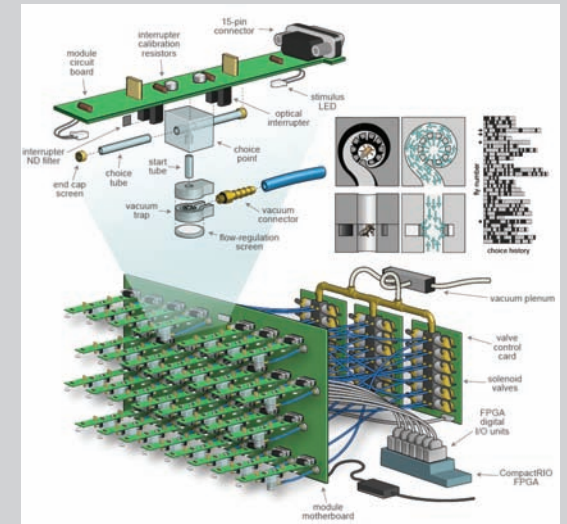
Cryostat for matter wave interferometry. (RJF Yuki Sato)



Quantitative phase image of a red blood cell using an optofluidic microscope. (RJF Ethan Schonbrun)



Apparatus for measuring the activity of visual cortical neurons in response to visual stimuli. (RJF David Cox)



Schematic of 'FlyVac' - a platform for the automatic, high-throughput characterization of choice behaviors in insects. (RJF Ben deBivort)

Resources at the disposal of the Fellows include laboratory space, initial set-up costs, operating costs, the help of technicians and of a postdoc or student, and unlimited access to the Institute shops and services (mechanical, electronic, computer and information). The Fellows will have intellectual support from the Rowland Senior Fellows and from the members of the Harvard faculty. Applicants should submit a curriculum vitae and a one-page research proposal, and have three letters of reference sent to:

Dr. Michael M. Burns
Rowland Junior Fellows Program
Rowland Institute at Harvard
100 Edwin H. Land Boulevard
Cambridge, MA 02142

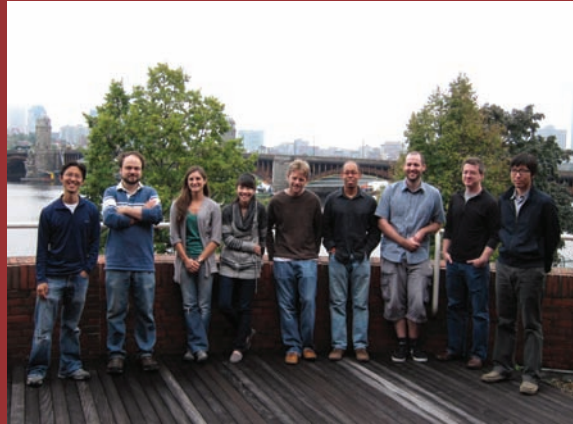
The application deadline is: November 30, 2011.

Questions on the program should be directed to rjf@rowland.harvard.edu. Further information about the Rowland Institute can be found at <http://www.rowland.harvard.edu>.

Harvard University is an Affirmative Action/Equal Opportunity Employer.



Panoramic view of Boston taken from the Institute



Rowland Junior Fellows 2011 *

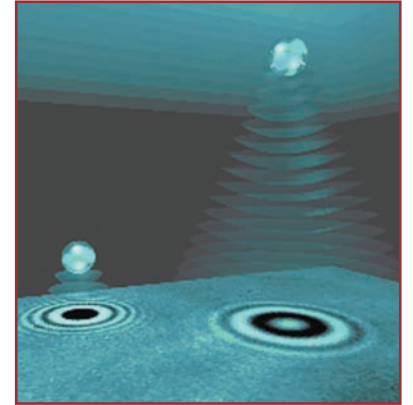
Rowland Institute at Harvard
100 Edwin H. Land Boulevard
Cambridge, MA 02142
www.rowland.harvard.edu

Cover Image:
Digital holographic microscopy applied to collective dynamics in colloidal and bacterial systems. (RJF Laurence Wilson)

*Photo by John Chervinsky

ROWLAND INSTITUTE AT HARVARD

ROWLAND JUNIOR FELLOWS PROGRAM



2012

