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WASHINGTON, DC

Carnegie Institution
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260 Panama Street
Stanford, CA 93305

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Project Leader:

Generation of a genome-wide collection of green algal mutants (Photosynthesis / Cilia / Acclimation)

Stanford, CA

June 9th, 2012

Overview:

We have an immediate opening for a full-time Project Leader in the laboratory of Dr. Martin Jonikas at the Carnegie Institution for Science, Department of Plant Biology at Stanford. The successful candidate will lead a small team of motivated scientists in an ambitious project that aims to generate the first genome-wide collection of indexed mutants in the green alga *Chlamydomonas reinhardtii*.

Qualifications:

- PhD in molecular or microbial biology or related field
- Excellent oral and written communications skills
- Excellent organization skills
- Excellent record keeping/documentation
- Meticulous, detail-oriented
- Creative problem-solving skills
- Effective team player and leader
- Desire to learn from others and be mentored

One or more of the following is a plus:

- Demonstrated teaching/leadership/team management skills
- Experience with large collections of organisms/strains
- Experience with algae/*Chlamydomonas*
- Experience with colony-arraying and liquid-handling robots

Responsibilities:

- Lead and coordinate the weekly efforts of 2 technicians and a bioinformatician to meet key milestones in the project.
- Develop and optimize protocols for strain transformation, propagation, storage, and genetic characterization, and others as needed.

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- Manage recruitment of new team members when some of the current ones leave.
- Coordinate efforts with our collaborators in charge of distribution.
- Maintain careful records of all work performed

More information

The green alga *Chlamydomonas reinhardtii* is a leading model organism for studies of photosynthesis and cilia biology. However, progress in these fields has been dramatically slowed by the lack of mutants in genes of interest.

Over the past two years, our lab has demonstrated all of the steps required for generating a genome-wide collection of insertion mutants, propagating the mutants robotically as arrayed colonies on agar, cryogenically storing the mutants, and determining the mutagenic insertion site in all of the mutants using next-generation sequencing.

We are now ready to generate the collection. Your job will be to take what we have demonstrated, learn from the people who have demonstrated it, recruit new technicians as the existing ones leave, lead the team's weekly activities to achieve milestones, and coordinate the team's activities with the rest of the lab and our collaborators in charge of distribution.

The Carnegie Institution offers a competitive benefits package, including generous paid leave and a retirement plan. Salary will be commensurate with experience.

To apply:

Please send the following to jonikasjobs@gmail.com:

1) A cover letter (describing why you would be a good fit for this project).
2) Your CV.
3) Three letters of reference.

Please also fill out the voluntary self-identification form at:
https://hr.carnegiescience.edu/node/add/self-id-form/1234?destination=jobs%2F%5Bfield_job_req-raw%5D-3

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