

SCIENTIFIC DEPARTMENTS

Embryology

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WASHINGTON, DC

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PASADENA, CALIFORNIA AND

LAS CAMPANAS, CHILE

Plant Biology

STANFORD, CALIFORNIA

Terrestrial Magnetism

WASHINGTON, DC

Carnegie Academy for

Science Education

WASHINGTON, DC

Functional genomics of photosynthesis

Stanford, CA

A postdoctoral position is available in the lab of Dr. Martin Jonikas at the Carnegie Institution for Science, Department of Plant Biology in Stanford, CA.

The unicellular green alga *Chlamydomonas* is a powerful model system for eukaryotic photosynthesis. Our lab has developed transformative genetics resources for this organism, including the first genome-wide collection of random insertion mutants with known insertion sites in a single-celled photosynthetic eukaryote. We are developing the capability of performing genome-wide saturating screens for any phenotype of interest.

The successful candidate would have the opportunity to apply these tools to a fundamental question of their choosing. For example, perform a screen of the mutants, and follow up on hits of your choice. Or, select mutants in specific genes based on prior information (e.g. protein domains) and characterize them to answer a key question.

I am dedicated to providing my lab members with a nurturing training environment. The data we collect will build a solid foundation on which you can develop an independent research program.

We are physically located on Stanford campus and have access to many of its resources in addition to our own. Moreover, Stanford's excellent location and year-round sunny and warm climate offers a pleasant setting for work and home life.

The ideal applicant will be highly motivated, have a PhD degree, a strong academic record, research experience in the biological sciences, and fluent English language skills. One or more of the following is a plus: experience with *Chlamydomonas*, photosynthesis, high-throughput genetics, genomics, computational data analysis.

To apply, please submit a cover letter, CV and three letters of recommendation to:

<https://jobs.carnegiescience.edu/jobs/postdoctoral-fellow-2/>

Informal inquiries are also welcome: email jonikas1@stanford.edu.

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