



Postdoctoral Positions Available in Evolutionary Genomics

Explore half a billion years of yeast biodiversity and metabolism!

How did *Saccharomyces* yeasts become expert fermenters?

Why did some traits evolve repeatedly, while others evolved rarely?

What are yeasts really doing in nature?

Which yeasts could become emerging pathogens?

Which clades will continue to diversify, and which are on their way to extinction?

The labs of Antonis Rokas (Vanderbilt), Cletus P. Kurtzman (USDA), and Chris Todd Hittinger (UW-Madison) are embarking on an ambitious project to sequence and analyze the genomes of every known species of *Saccharomycotina* yeast. About 1000 species of yeasts are known, and we continue to discover more, such as *S. eubayanus*, a parent of lager-brewing yeast (habitat above left). Yeasts are genetically more diverse than vertebrates and have remarkable metabolic dexterity, but most remain minimally characterized. They compete vigorously for nutrients in every continent and biome and can produce everything from beer to oil. The history of yeasts is recorded in their genome sequences. Now is the time to read it and tell their story!

The ideal postdoctoral applicant will be highly motivated and have an exceptional background in bioinformatics, functional genomics, or evolutionary genomics. Experience analyzing Illumina sequence data, computer programming proficiency, and training in ecological or evolutionary genetics are highly desirable. Please send a CV, manuscript p/reprints, and contact information for 3 references to cthittinger@wisc.edu. Email or talk to me at the meeting for more details. Apply by October 31st, 2014 to receive full consideration.

Chris Todd Hittinger Lab University of Wisconsin-Madison

Laboratory of Genetics, Genome Center of Wisconsin, Wisconsin Energy Institute,
DOE Great Lakes Bioenergy Research Center, J. F. Crow Institute for the Study of Evolution
The Hittinger Lab (<http://hittinger.genetics.wisc.edu>) is located in the oldest genetics department in the country on the vibrant UW-Madison campus (above right), which is a major hub for research in biotechnology, biochemistry, microbiology, systems biology, genomics, and evolutionary biology.

Legal: The University of Wisconsin-Madison is an Affirmative Action/Equal Opportunity Employer. This is a postdoctoral training opportunity, which does not require a UW PVL#.