

# Postdoctoral position on mammalian energy metabolism

## Position

Title	Postdoctoral position on mammalian energy metabolism
School	Harvard T.H. Chan School of Public Health
Department/Area	Department of Genetics and Complex Diseases
Position Description	<p>A postdoctoral position is available in the Hui lab to study organismal energy metabolism in mammals. The Hui lab is at the Department of Genetics and Complex Diseases of the Harvard T.H. Chan School of Public Health. The strong focus on metabolism research in the Department and the general excellence of biomedical research in the area provide an ideal environment for postdoctoral training in metabolism and metabolic diseases. <a href="https://www.hsph.harvard.edu/genetics-and-complex-diseases/">https://www.hsph.harvard.edu/genetics-and-complex-diseases/</a></p> <p>The Hui lab takes the approach of quantitative systems biology to understand energy metabolism in healthy and diseased states. Specifically, we perform in vivo isotopic tracing by combining animal experiments with LC-MS measurements, and infer metabolic fluxes from the isotopic labeling data. The resulting flux information reflects the metabolic activity of the animal and is thus of great value for understanding the studied physiological state.</p> <p>The lab focuses on physiologic states with altered energy metabolism, specifically, the energy-surplus state (obesity) and the energy-deficient state (cachexia). We believe these two seemingly unrelated diseases are two sides of the same coin, and studying them simultaneously offers the advantage of cross-checking hypotheses and predictions generated from studying each one. For more information, please visit: <a href="https://www.huilab-harvardchan.org">https://www.huilab-harvardchan.org</a></p> <p>The Harvard T.H. Chan School of Public Health seeks to recruit, develop, promote, and retain the world's best scholars. We are committed to upholding the values of diversity, equity, and inclusion in our hiring and promotion processes. Women and individuals from underrepresented racial and ethnic minority groups are strongly encouraged to apply.</p> <p>Harvard University seeks to find, develop, promote, and retain the world's best scholars. Harvard is an Affirmative Action/Equal Opportunity Employer. Applications from women and minority candidates are strongly encouraged.</p> <p>Information on resources for career development and work/life balance at HSPH can be found at: <a href="http://hsph.me/resources-career-development-and-work-life-balance">http://hsph.me/resources-career-development-and-work-life-balance</a></p>
Basic Qualifications	<p>Requirements:</p> <ul style="list-style-type: none"><li>• Ph.D. in biological sciences, biophysics, biochemistry, or related filed</li><li>• Motived to understand metabolic diseases</li><li>• Excellent communication, writing, and organizational skills</li></ul>
Additional Qualifications	<p>Expertise in the following is highly valued:</p> <ul style="list-style-type: none"><li>• Animal models of diseases (e.g., obesity, diabetes, cancer)</li><li>• Animal experiments (e.g., genetic, surgical)</li><li>• Metabolomics, mass spectrometry</li></ul>
Special Instructions	To apply, please send CV, cover letter, and contact information for 3 references to Dr. Hui ( <a href="mailto:shui@hsph.harvard.edu">shui@hsph.harvard.edu</a> ).
Contact Information	Dr. Tony (Sheng) Hui: <a href="mailto:shui@hsph.harvard.edu">shui@hsph.harvard.edu</a>
Contact Email	<a href="mailto:shui@hsph.harvard.edu">shui@hsph.harvard.edu</a>
Equal Opportunity Employer	We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, gender identity, sexual orientation, pregnancy and pregnancy-related conditions or any other characteristic protected by law.
Minimum Number of References Required	
Maximum Number of References Allowed	

## Supplemental Questions

Required fields are indicated with an asterisk (\*).

## Applicant Documents

- Required Documents
- Optional Documents