

# Postdoctoral Position on *Drosophila* wing development in the Centre of Excellence in Experimental and Computational Developmental Biology (ECDev)

The Academy of Finland funded Centre of Excellence programs are six year initiatives to foster new initiatives. The goal of our Centre of Excellence in Experimental and Computational Developmental Biology is to bridge computational models and experimental work on developing organs across multiple systems

(<http://www.biocenter.helsinki.fi/bi/evodevo/ECDev.html>). We aim to determine how changes in development lead to different organ phenotypes, build realistic models of development and evolution of complex organs, and study the principles of modeling pattern formation. The main organ systems we work on are mammalian tooth, hair, mammary gland and fly wing.

We are seeking for motivated and talented postdoctoral candidates with proven research-abilities to join our dynamic and international research community. The project aim at establishing a computational model to understand how complex patterning processes are regulated in *Drosophila* wing vein development by working together with experimentalists. Candidates should have previous experience in developmental biology and/or computational modeling. Experience in evolutionary biology is also welcomed. We are building teams where experimentalists and computational modelers work together, thus knowledge of disparate fields is not necessary. Applications are to be sent as a single pdf-file by November 30, 2014 by e-mail (Subject: Postdoc application) to [osamu.shimmi@helsinki.fi](mailto:osamu.shimmi@helsinki.fi) and [isaac.salazar@helsinki.fi](mailto:isaac.salazar@helsinki.fi). The document should include a short cover letter describing your expertise areas and motivation for the position, CV (max 2 pages), and names and contact information of two to three references. Applications are reviewed as they are received.

## References

Shimmi, O., Matsuda, S. and Hatakeyama, M. (2014). Insights into the molecular mechanisms underlying diversified wing venation among insects. *Proc. R. Soc. B.* 281, 1789.

Salazar-Ciudad I, Marin-Riera M. (2013). Adaptive dynamics under development-based genotype-phenotype maps. *Nature.* 497(7449), 361-4.