

POST-DOC POSITION IN SIGNALING AND DEVELOPMENTAL BIOLOGY

UNIVERSITY OF NICE - FRANCE

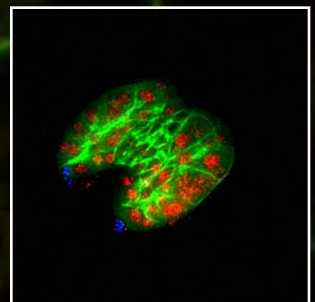
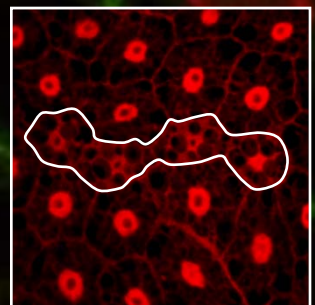
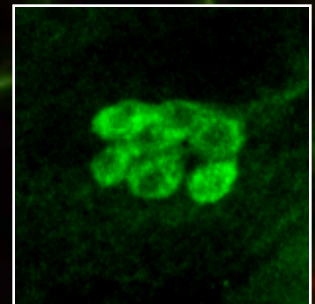
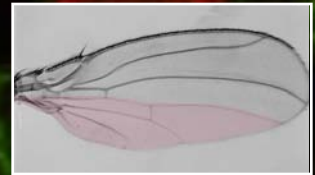
Body size is an important trait that determines the fitness of a particular species in a given environment. Genetics constitutes a major input in the determination of body shape and size. Superimposed to this genetic control, organisms have developed adaptative responses allowing modulating the size of individuals according to environmental cues, among which nutrition.

Our lab studies the mechanisms controlling organismal growth using *Drosophila* as a genetic model. Our recent work has established that specific endocrine sensor tissues coordinate organismal growth with nutritional information. The ongoing projects aim to characterize this humoral control, using an array of approaches (targeted gain- or loss-of-function, genetic screens, cell biology).

A three years Post-Doc fellowship is proposed for a motivated scientist ready to work in a competitive area.

Selected publications:

- Colombani, *et al.* (2003) *Cell*
- Arquier *et al.* (2005) *Curr. Biol.*
- Colombani *et al.* (2005) *Science*
- Arquier *et al.* (2008) *Cell Metab*
- Layalle *et al.* (2008) *Dev Cell*



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