



Jonathan EWBANK, PhD

Group leader: Innate immunity in *C. elegans*

Background

Ph.D. 1992: MRC LMB, Cambridge (UK) and EMBL, Heidelberg (D).

Postdoctoral work in the Department of Biology, McGill University, Montreal, Canada.

Group Leader at the CIML since 2001.

Main achievements

Defining the role of the molten globule state in protein folding

Cloning the timing gene clock-1 (clk-1)

Demonstration of inducible innate immune defences in *C. elegans*

Selected publications

- Zugasti O, Ewbank JJ., Neuroimmune regulation of antimicrobial peptide expression by a noncanonical TGF-beta signaling pathway in *Caenorhabditis elegans* epidermis. *Nat Immunol.* 2009 Mar;10(3):249-56. Epub 2009 Feb 8.
- Ziegler K, Kurz CL, Cypowyj S, Couillault C, Pophillat M, Pujol N, Ewbank JJ., Antifungal innate immunity in *C. elegans*: PKCdelta links G protein signaling and a conserved p38 MAPK cascade. *Cell Host Microbe.* 2009 Apr 23;5(4):341-52.
- Pujol N, Cypowyj S, Ziegler K, Millet A, Astrain A, Goncharov A, Jin Y, Chisholm AD, Ewbank JJ., Distinct Innate Immune Responses to Infection and Wounding in the *C. elegans* Epidermis. *Curr Biol.* 2008 Apr 8;18(7):481-489.
- Couillault C, Pujol N, Reboul J, Sabatier L, Guichou JF, Kohara Y, Ewbank JJ., TLR-independent control of innate immunity in *Caenorhabditis elegans* by the TIR domain adaptor protein TIR-1, an ortholog of human SARM. *Nat Immunol.* 2004 May;5(5):488-94.