

# Grégoire MICHAUX

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## CNRS researcher at "Institut de Génétique et Développement de Rennes"

Group leader "Membrane traffic and Polarity in *C. elegans*"

Scientific department director: IGDR - Developmental and Cell Biology Department

Board member of the Société de Biologie Cellulaire de France

## Main publications

- Gillard G, Shafaq-Zadah M, Nicolle O, Damaj R, Michaux G. Control of E-cadherin apical localisation and cell-cell adhesion by a SOAP-1/AP-1/clathrin pathway in *C. elegans* epidermal cells. *Under review*.
- Nicolle O, Massey-Harroche D, Rabant M, Brousse N, Goulet O, Le Bivic A, Rümmele F, Michaux G. Apical polarity determinants are mislocalised in microvillus atrophy. *In preparation*.
- Shafaq-Zadah M, Brocard L, Solari F, Michaux G (2012). AP-1 is required for the maintenance of apico-basal polarity in the *C. elegans* intestine. *Development*, 139, 2061-2070.
- Michaux G, Dyer CEF, Nightingale TD, Gallaud E, Nurrish S, Cutler DF\* (2011). A role for Rab10 in Von Willebrand Factor release discovered by an AP-1 interactor screen in *C. elegans*. *J Thromb Haemost*. 9, 392-401.
- Michaux G, Abbitt KB, Collinson LM, Haberichter SL, Norman KE, Cutler DF (2006). The physiological function of von Willebrand's factor depends on its tubular storage in endothelial Weibel Palade bodies. *Dev Cell*, 10, 223-232. "Must read", Faculty of 1000.
- Michaux G, Hewlett L, Messenger SL, Goodeve AC, Peake RI, Daly ME, Cutler DF (2003). Analysis of intracellular storage and regulated secretion of three von Willebrand's disease-causing variants of von Willebrand Factor. *Blood* 102, 2452-2458
- Michaux G, Gansmuller A, Hindelang C, Labouesse M (2000). CHE-14, a protein with a sterol-sensing domain, is required for apical sorting in *C. elegans* ectodermal epithelial cells. *Curr Biol* 10, 1098-1107.

## Teaching

Since 2008 : teaching in Master 1<sup>st</sup> and 2<sup>nd</sup> year in Rennes and Brest.

## Awards

Group leader: INSERM Avenir group 2007-2011

Postdoc: Marie Curie fellowship 2003-2005

PhD: BDI fellowship 1998-2000

## Education and training

2002-2006: Postdoctoral position at MRC LMCB, London, UK. Group of Dan Cutler

1998-2001: PhD at IGBMC, Strasbourg. Group of Michel Labouesse

1994-1996: Magistère de Biologie, École Normale Supérieure, Paris