Name : SCHWEISGUTH, François

Position title : Directeur de Recherche CE CNRS
Head of the GDD Pasteur Unit
Director of the CNRS Unit URA 2578

Education/Training

Institution and Location	Degree	Years	Field of Study
Ecole Normale Supérieure	M.Sc.	1983-86	Biology
University Paris 6	Ph.D.	1986-90	Developmental Genetics
University of California San Diego		1990-93	Developmental Genetics

Professional Experience

1987-90 : Ph.D. with Dr. J.-A. Lepesant, Institut Jacques Monod, Paris
1990-93 : Post-doc with Pr. J. Posakony, UCSD, San Diego
1993-2000: Chargé de Recherche CNRS
1993-1996: Project leader with Dr. J.-A. Lepesant, Institut Jacques Monod, Paris
1997-2007: Group Leader, Ecole Normale Supérieure, UMR8542, Paris
2000-: Directeur de Recherche CNRS
2008-: Head of Unit, Institut Pasteur, Paris
2011-: Director of the CNRS Unit URA 2578
2011- : Co-coordinator of the LabEx REVIVE

Honors

CNRS Bronze Medal (1996)
Prix Jaffé from the French Academy of Science (2005)
CNRS Silver Medal (2006)
Prix Zermati from the Fondation de France (2012)
EMBO member (elected 2012)

Total number of publications : 81
Total number of citations : 4500
h-index : 34

Selected Publications:

F. Schweisguth and J.W. Posakony (1992) Suppressor of Hairless, the Drosophila Homolog of the Mouse Recombination Signal-Binding Protein Gene, Controls Sensory Organ Cell Fates. Cell, 69, 1199-1212.

M. Lecourtois and **F. Schweisguth** (1995) The neurogenic Suppressor of Hairless DNA-binding protein mediates the transcriptional activation of the Enhancer of split Complex genes triggered by Notch signalling. Genes & Development, 9, 2598-2608.

M. Gho and **F. Schweisguth** (1998) Frizzled signalling controls orientation of asymmetric sense organ precursor cell divisions in Drosophila. Nature, 393, 178-181.

M. Lecourtois and **F. Schweisguth** (1998) Indirect evidence for a Delta-dependent intracellular processing of Notch in Drosophila embryos. Current Biology, 8, 771-774

M. Gho, Y. Bellaïche and **F. Schweisguth** (1999) Revisiting the Drosophila microchaete lineage: a novel intrinsically asymmetric division generates a glial cell. Development 126, 3573-3584.

Y. Bellaïche, A. Radovic, D.F. Woods, C.D. Hough, M.-L. Parmentier, C. J. O'Kane, P.J. Bryant and **F. Schweisguth** (2001) The Partner of Inscuteable/Discs-large complex is required to establish planar polarity during asymmetric cell division in Drosophila. Cell, 106, 355-366

R. Le Borgne and **F. Schweisguth** (2003) Unequal segregation of Neuralized biases Notch activation during asymmetric cell division. Developmental Cell, 5, 139-48.

R. Le Borgne, S. Remaud, S. Hamel and **F. Schweisguth** (2005) Two distinct E3 ubiquitin ligases have complementary functions in the regulation of Delta and Serrate signaling in *Drosophila*. PloS Biology, 3, e96.

A. J. Bardin and **F. Schweisguth** (2006) Bearded family members inhibit Neuralized-mediated endocytosis and signaling activity of Delta in *Drosophila*. Developmental Cell, 10, 245-55.

A. J. Bardin, C. N. Perdigoto, T. D. Southall, A. H. Brand and **F. Schweisguth** (2010) Transcriptional control of stem cell maintenance in the Drosophila intestine. Development, 137, 705-714

H. Rouault, K. Mazouni, L. Couturier, V. Hakim and **F. Schweisguth** (2010) Genome-wide identification of cis-regulatory motifs and modules underlying gene coregulation using statistics and phylogeny. Proc. Nat. Acad. Sci. USA , 107, 14615-20

L. Couturier, N. Vodovar and **F. Schweisguth** (2012) Endoyctosis by Numb breaks Notch symmetry at cytokinesis. Nature Cell Biology, 14, 131-9

S. Chanet and **F. Schweisguth** (2012) Regulation of epithelial polarity by the E3 ubiquitin ligase Neuralized and the Bearded inhibitors in *Drosophila*. Nature Cell Biology, 14, 467-76

L. Couturier, M. Trylinski, K. Mazouni, L. Darnet and **F. Schweisguth** (2014) A fluorescent tagging approach in Drosophila reveals late endosomal trafficking of Notch and Sanpodo. The Journal of Cell Biology, 3, 351-63