

TAGU Denis

Senior scientist at INRA-Rennes, UMR 1099 BiO3P lab.
(<http://www.rennes.inra.fr/umrbio3pE/equipes/insectes/projets1.htm>)

1985-1988: PhD Biology diploma in the field of Molecular Plant Physiology, University Paris XI, Orsay, France.

1989-1990: post-doc in Molecular Plant Physiology, CSIC Barcelona, Spain.
During these 6 years, I was involved in studying plant gene regulation by genetic transformation. I was in charge of the functional analysis of genes involved in C4-plant photosynthesis (e.g. PEPCase) and development (cell wall proteins).

1991: permanent position as research assistant INRA Nancy, France.

1996: Habilitation for Directing Research, University of Nancy I, France.

1998: Senior scientist permanent position (DR2) INRA, France.

During 11 years, I have developed researches on the molecular basis of mycorrhiza symbiotic interactions between roots of forest trees and soil filamentous fungi. Since 1995, we began to develop genomic approaches through first EST analyses and later microarray technologies on mycorrhizal symbiosis.

2003 to present: senior scientist at INRA Rennes.

A true discovery of the fascinating insect world!

Coordinator of the group « Functional and Evolutive Genomics » within the UMR BiO3P research unit. Research aims at understanding functional and evolutive basis of reproductive traits in aphids, which display a strong phenotypic plasticity. Development of genetic resources and responsible of active launching and participation in the International Consortium for Aphid Genome.

List of the 5 more pertinent publications (or patents) during the last 5 years

Gauthier JP., Legeai F, Zasadzinski A, Risper C., Tagu D. 2007, AphidBase: a database for aphid genomic resources, Bioinformatics, in the press

Sabater-Muñoz, B., Legeai, F., Risper, C., Bonhomme, J., Dearden, P., Dossat, C., Duclert, A., Gauthier, J.P., Ducray, D.G., Hunter, W., Dang, P., Kambhampati, S., Martinez-Torres, D., Cortes, T., Moya, A., Nakabachi, A., Philippe, C., Prunier-Leterme, N., Rahbé, Y., Simon, J.C., Stern, D.L., Wincker, P., Tagu, D. 2006, Large-scale gene discovery in the pea aphid *Acyrtosiphon pisum* (Hemiptera). *Genome Biol.* 7: R21.

Riparbelli, M.G., Tagu, D., Bonhomme, J., and Callaini, G. 2005. Aster self-organization at meiosis: a conserved mechanism in insect parthenogenesis? *Developmental Biology*, 278, 220-230.

Tagu D, Prunier-Leterme N, Legeai F, Gauthier JP, Duclert A, Sabater-Muñoz B, Bonhomme J, Simon JC 2004 Annotated expressed sequence tags for studies of the regulation of reproductive modes in aphids. *Ins Biochem Mol Biol* 34:809-822.5.

Rogalska EM, Bilewicz R, Tagu D, Walcarius A, Wemer J, Scholtmeijer K, Rink R – Hydrophobin-coated sensors. Patent P60454US00.