Curriculum Vitae

Group Title: Drosophila Genetics and Epigenetics

Name: ANTONIEWSKI Christophe

Date of Birth: 28th January 1965

Current appointment: Research Director 2nd class CNRS

Academic qualifications:
2005 HDR University Paris Sud XI
1994 Ph.D. in Developmental Biology, University Paris VI
1988 M. Sc in Microbiology, University Paris Sud XI

Research experience

2012 – Present. PI of the group 'Drosophila Genetics and Epigenetics', University Paris VI & CNRS UMR7622, Director Catherine Jessus, Paris, France.

2004-2011. PI of the G5 group 'Drosophila Genetics and Epigenetics'. Institut Pasteur & CNRS UMR2578, Director Margareth Buckingham, Paris, France.

1996-2003. Senior Scientist. University Paris VII & Institut Jacques Monod, Paris, France. Group of Jean-Antoine Lepesant.

1994-1995. Post-doctoral Fellow. University Paris VII & Hôpital Saint-Louis. Supervisor: Prof. Hugues de Thé.

1989-1993. Ph.D thesis. University Paris VII & Institut Jacques Monod, Paris, France. Supervisor : Dr. Jean-Antoine Lepesant.

Invited talks and seminars in foreign countries - Honors – Awards

3 invited lectures by foreign Institutes
9 invited lectures at international conferences
ATIPE CNRS (2002)
G5 program Institut Pasteur (2003)

Main national and international scientific and administrative responsibilities

Head of the G5 laboratory « GED », UMR 2578, CNRS-Institut Pasteur (2004-2011)
Member of the Developmental Biology Department Council – Institut Pasteur (2004-2011)
President of Jury for the recruitment of CNRS Engineers (2011)
Organizer of 2 Inserm Worshops (2004 and 2006) on RNAi and miRNAs
Co-Organizer of the « miRNAs in Animal and Plant Development » in Paris (November 2010)
Organizer of the « Small RNA Silencing » conference at the Fondation des Treilles (April 2012)

Selected publications

van Mierlo, J.T., Bronkhorst, A.W., Overheul, G.J., Sadanandan, S.A., Ekström, J.O., Heestermans, M., Hultmark, D., Antoniewski, C., and van Rij, R.P. (2012). Convergent Evolution of Argonaute-2 Slicer Antagonism in Two Distinct Insect RNA Viruses. **PLoS Pathog** 8, e1002872.

de Vanssay, A., Bougé, A.L., Teysset, L., Boivin, A., Hermant, C., Delmarre, V., Antoniewski, C., and Ronsseray, S. (2012). Paramutation in Drosophila linked to emergence of a piRNA-producing locus. **Nature** 490, 112-115.

Jouneau, A., Ciaudo, C., Sismeiro, O., Brochard, V., Jouneau, L., Vandormael-Pournin, S., Coppee, J.Y., Zhou, Q., Heard, E., Antoniewski, C., et al. (2012). Naive and primed murine pluripotent stem cells have distinct miRNA expression profiles. **Rna** 18, 253-264.

Antoniewski, C. (2011). Visitor, an informatic pipeline for analysis of viral siRNA sequencing datasets. **Methods Mol Biol** 721, 123-142.

Nayak, A., Berry, B., Tassetto, M., Kunitomi, M., Acevedo, A., Deng, C., Krutchinsky, A., Gross, J., Antoniewski, C., and Andino, R. (2010). Cricket paralysis virus antagonizes Argonaute 2 to modulate antiviral defense in Drosophila. **Nat Struct Mol Biol** 17, 547-554.

Saleh, M.C., Tassetto, M., van Rij, R.P., Goic, B., Gausson, V., Berry, B., Jacquier, C., Antoniewski, C., and Andino, R. (2009). Antiviral immunity in Drosophila requires systemic RNA interference spread. **Nature** 458, 346-350.

Fagegaltier, D., Bouge, A.L., Berry, B., Poisot, E., Sismeiro, O., Coppee, J.Y., Theodore, L., Voinnet, O., and Antoniewski, C. (2009). The endogenous siRNA pathway is involved in heterochromatin formation in Drosophila. **Proc Natl Acad Sci U S A** 106, 21258-21263.

Berry, B., Deddouche, S., Kirschner, D., Imler, J.L., and Antoniewski, C. (2009). Viral suppressors of RNA silencing hinder exogenous and endogenous small RNA pathways in Drosophila. **PLoS One** 4, e5866.

Carre, C., Ciurciu, A., Komonyi, O., Jacquier, C., Fagegaltier, D., Pidoux, J., Tricoire, H., Tora, L., Boros, I.M., and Antoniewski, C. (2008). The Drosophila NURF remodelling and the ATAC histone acetylase complexes functionally interact and are required for global chromosome organization. **EMBO Rep** 9, 187-192.

van Rij, R.P., Saleh, M.C., Berry, B., Foo, C., Houk, A., Antoniewski, C., and Andino, R. (2006). The RNA silencing endonuclease Argonaute 2 mediates specific antiviral immunity in Drosophila melanogaster. **Genes Dev** 20, 2985-2995.

Carre, C., Szymczak, D., Pidoux, J., and Antoniewski, C. (2005). The histone H3 acetylase dGcn5 is a key player in Drosophila melanogaster metamorphosis. **Mol Cell Biol** 25, 8228-8238.

Roignant, J.Y., Carre, C., Mugat, B., Szymczak, D., Lepesant, J.A., and Antoniewski, C. (2003). Absence of transitive and systemic pathways allows cell-specific and isoform-specific RNAi in Drosophila. **RNA** 9, 299-308.