

Virginie COURTIER-ORGOGOZO

Institut Jacques Monod – CNRS UMR7592 – Univ. de Paris – 15 rue Hélène Brion -75013 Paris
01 57 27 80 43 - virginie.courtier@ijm.fr

<https://virginiecourtier.wordpress.com>

Born 29/09/1977 in Meaux, France, French, 2 children

Scientific career

since October 1st 2015 : Directrice de recherches CNRS DR2
April 2011 : Habilitation à diriger des recherches, Université Paris Sud.
October 2010: Chargée de recherche CNRS CR1
Since March 2010: Group Leader at the Institut Jacques Monod, Paris.
April 2007: Chargée de recherche CNRS CR2, Université Pierre et Marie Curie, Paris.
2006-2007: Research Scientist, A. Moore's lab, RIKEN Brain Science Institute, Wako, Japan.
2003-2006: Visiting Research Fellow, D. Stern's lab, Princeton University, Princeton.

Education and degrees

2000- 2003: PhD, with highest honors, in École Normale Supérieure, Paris. Advisors: Y. Bellaïche and F. Schweisguth.
1999-2000: D.E.A. in Molecular and Cellular Developmental Biology, with highest honors, Université Pierre et Marie Curie, Paris.
1998-1999: Agrégation in Earth and Life Science (option: cell biology).
1996-2000: Élève-professeur stagiaire at the École Normale Supérieure, Paris.

Prizes, Awards and Funding

2020-2021: MITI CNRS grant (2 years).
2019: Chevalier de l'Ordre national du Mérite.
2018: Lacassagne Price, Collège de France.
2014: CNRS Bronze medal. Selected by the journal Cell among "40 under 40". Price Irène Joliot-Curie "Jeune Femme Scientifique".
2014-2017 : John Templeton Foundation grant (4 years).
2014-2019: ERC Starting grant (5 years).
2013 : Prix des Grandes avancées françaises en biologie (M. Lang), Académie des Sciences.
2013-2014: 2-year ATIP-AVENIR grant extension.
2010-2012: CNRS ATIP-AVENIR grant (3 years).
2003-2006: Damon Runyon Cancer Research Foundation 3-year post-doctoral fellowship (DRG-1789-03).
2003: EMBO 3-year post-doctoral fellowship (declined).
2000-2003: 3-year thesis fellowship ("Allocation Moniteur Normalien").
1996-200: 4-year undergrad fellowship, Ecole Normale Supérieure Ulm.

Referee for the following journals

BMC Dev. Biol.; Current Biology; Dev. Biol.; Development, Genes and Evolution; G3; eLife; Evolution; Evolution Letters; Journal of Exp. Zoology Part B; Evolution; Evolution Letters; Evolution and Development; Heredity; Molecular Biology and Evolution; Nature; Nature Genetics; PLoS ONE; PLoS Genetics; PNAS; Science; Science signaling, Trends in Plant Science.

Associate Editor for the journal *Proceedings of the Royal Society B: Biological Sciences* (in 2012-2019).

Editorial Board Member for the journals *eLife* (since 2019) and *Evolution and Development* (since 2019).

Member of the Scientific Committee of the Natural History Museum of Paris in 2015-2018 (meetings ~13 days per year and evaluation of >100 reports per year).

Member of several Scientific Advisory Boards - Institut Jacques Monod in 2016 and IGFL, Lyon, in 2020

Member of the Scientific Council of OPECST (Office parlementaire d'évaluation des choix scientifiques et technologiques) since 2020

Member of COMETS (Comité d'éthique du CNRS) since 2021

Supervision

2020-: Manon MONIER, M2 student and now PhD.
2020: Francesca PINTON, M2 student.
2019: Mariam NOOR, M2 student.
2018: Margherita BATTISTARA, between M2 and PhD.
2018-2021: Flora Borne, M2 student and PhD.
2013-2018: Alexandre PELUFFO, PhD student and post-doc.
2016-2017: Laurent ARNOULT, post-doc, Stéphane PRIGENT, post-doc.
2015-2017: Andrea ACURIO, post-doc.
2014-2018: Olga NAGY, postdoc, Alexis MATAMORO-VIDAL, post-doc.
2013: Rosina SAVISAAR, ingénieure d'étude.
2011-: Isabelle NUEZ, ingénieure d'étude CNRS; Alexis LALOUETTE, teaching assistant.
2010-: Michael LANG, postdoc (now CNRS researcher)
2010-2012: Amir YASSIN, postdoc.
2010: Géraldine GOUPPIL, technician, six months.
2009: Sophie MURAT, M2 student, six months.
2005: Noelle MURO, Master student, one year.

All the persons I supervised before 2019 have published papers with me (except Alexis Lalouette).

In addition, I took care of >45 undergraduate students in my team since 2010. For details, see:

<https://virginiecourtier.wordpress.com/team/>.

Teaching

PhD advisor of

Alexandre Peluffo (2014-2017, now working at [Pharnext](#))

Flora Borne (2019-2021, now post-doc in Columbia University)

Manon Monier (Started her PhD in 2020)

Lectures and classes

since Sept 2020: Prof. chargé de cours, Ecole Polytechnique, “Biodiversity and Ecology”, 55h.

since 2019: 5x3h of courses in the module “Concept and methods in Biology” for physicists, parcours Interface Physics-Biology, Univ. Paris 7, with Philippe Vernier.

since 2018: responsible of two modules at École Normale Supérieure (Paris): L3 “Biologie et société” with François Graner (12x2h) and M1 “Génomés et Phénotypes” (9x3h by myself and 9x3h by Hugues Roest-Crollius).

2018-2020: about 10 h of courses per year: École Normale Supérieure (Paris), Univ. Paris 7, Curie Institute, école de l'INSERM Liliane Bettencourt, etc.

2019: Venice summer school 2019 “Mechanism in development and evolution”.

- 2010-2017: About 15 h per year. École Normale Supérieure (Paris), Univ. Paris 7 (Paris), Oxford Brookes University (Oxford), European Course on Comparative Genomics (Lyon), .
- 2015-2016 : Set up of a new module of Developmental Biology (8 h lab work, 8 h courses).
- 2008: Université Paris Sud (Orsay), Natural History Museum (Paris).
- 2000-2003: Teaching Assistant (Allocataire moniteur normalien). 70 h per year, teaching evolution, ecology, animal and plant biology in Univ. Pierre et Marie Curie (Paris).

PhD committee/jury

Vivien Horvath (2020), Institute of Evolutionary Biology, Barcelona; Solène Travaillard (2020), Université d'Aix-Marseille; Erina Ferreira (2020), Natural History Museum (Paris); Elisa Buchberger (2019), Göttingen Graduate Center for Neurosciences, Biophysics, and Molecular Biosciences; Swann Floc'hlay (2017-2019), École Normale Supérieure, Paris; Cécile Courret (2017-2019), Université Paris Sud; Marianthi Karageorgi (2013-2016), Université d'Aix-Marseille; Mathieu Bartoletti (2013), Université Orsay; Laurent Arnoult (2013), Université d'Aix-Marseille; Barbara Huber (2013), Museum d'Histoire Naturelle, Paris; Aurélie Godart (2012), Université Paris Diderot, Augustin de Vanssay (2011), Université Pierre et Marie Curie; Astrid Petzold (2010), Université Nice Sophia Antipolis; François Mallard (2010-2012), École Normale Supérieure, Paris; Kathy Su (2008-2012), Université d'Aix-Marseille, Marseille.

Other

- since 2019: Part of the Scientific Advisory Board of the Vienna Graduate School of Population Genetics (4 days per year).
- 2011-2012: Conception and correction of part of the national competitive entrance exam (biology) to the Écoles Normales Supérieures.

Invited presentations (since 2012)

Invited oral presentations at conferences

- 2021: “*Cracking the code of pandemic origin*”, Institut de France, Paris.
Virtual EMBO Workshop. Predicting Evolution.
- 2020: EMBO | EMBL Symposium: The Organism and its Environment, Heidelberg.
Colloque [TESaCo «Technologies émergentes et sagesse collective»](#), Académie des sciences morales et politiques, Institut de France, Paris.
- 2019: Keynote speaker at [EvoLyon 2019](#), Lyon.
CRISPR-based gene drive. Journées François Jacob, Collège de France, Paris.
JEB Symposium on “Genome editing for comparative physiology”. Massa Maritima, Italy.
32ème séminaire de génétique clinique, Faculté de médecine Lille, Pôle Recherche.
- 2018: Evolution Paris Centre meeting, MNHN, Paris.
Keynote speaker at the Ecology and Evolutionary Biology Symposium, Izmir, Turkey.
- 2017: Keynote speaker at “Journée François Jacob”, Collège de France, Paris.
Keynote speaker at the 58th Annual Drosophila Research Conference, San Diego.
Keynote speaker at “What is Life? An Extraterrestrial Perspective”, MNHN, Paris.
Keynote speaker at the International Workshop “Sliding Doors: Prediction and Contingency in biosciences”, Rome.
- 2016: “*New Model Systems for Linking Evolution and Ecology*”, Heidelberg.
Guest speaker at Journée de la recherche de l'UFR de Médecine Paris Diderot.
Guest speaker at Journée scientifique de l'UFR Sciences de la Vie de l'université Paris VII.
- 2015 : EMBO Conference: Genetic Control of Development and Evolution, Paris.
European Drosophila Research Conference, Heidelberg.
“*The mechanisms of Evolutionary Changes and Adaptation*”, Les Treilles.
- 2014: “*Are there limits to Evolution?*”, Cambridge.
- 2013: *Annual Meeting of the Society for Molecular Biology and Evolution*, Chicago.
Colloque *Biologie de l'Insecte*, Montpellier.
Colloque *Evolution: aujourd'hui et demain*, Paris.
- 2012: European Society for Evolutionary Developmental Biology (EED) Fourth meeting, Lisbon.
Jacques Monod Conference, Roscoff, *Emergence and evolution of developmental patterns*.

Third *Drosophila* Genitalia Meeting, Chicago.

Invited seminars

- 2021: New-York University (USA), International COVID-19 origin webinar, Université de Paris, UFR Sciences de la Vie & Terre (Paris).
- 2020: Temple University (USA, visio), Mob'ile de France (Paris).
- 2019: Cambridge University; La notion d'identité en biologie, IHPST (Paris).
- 2018: Department of Zoology (Cambridge); Columbia University (New-York), Georg-August University (Göttingen).
- 2016: University of Lausanne (Lausanne), Collège de France (Paris).
- 2015: Paris 7 University (Paris), INRA (Toulouse).
- 2014: Aussois, Queen Mary University (London); University of Veterinary Medicine (Vienna), Cambridge University (Cambridge), Janelia Farm (Ashburn, USA).
- 2013: Department of Zoology (Cambridge), Institut de Neurobiologie Alfred Fessard (Gif-sur-Yvette), Friedrich-Schiller-University (Jena); Janelia Farm (Washington), Université Nice Sophia Antipolis (Nice), McGill University (Montréal), Université Aix-Marseille (Marseille).
- 2012: Collège de France (Paris), École Normale Supérieure (Paris), Université Sciences Technologies de Lille.

(Not included here are the refused invitations – about 10 per year).

Organization of international conferences and weekly seminars

- since 2021: Organization of the monthly international workshop on COVID-19 origin (30 participants)
- 2021: Organization of the Fourth *Drosophila* Genitalia Meeting, Pittsburgh-Paris-Tokyo, 18-19 April 2021, 50 participants from US and Europe.
- 2018-2020: Organization of the BioInfo Club weekly seminar, which gathers biologists who aim to improve their computer skills in analyzing next-generation sequencing data.
<https://paris7bioinfo.wordpress.com/>
- 2016: Organization of a Workshop on “The Loci of Evolution”, 5-7 Sept, 30 participants from US and Europe. www.normalesup.org/~vorgogoz/gephebase-conference.html
- 2013-2015: Organization of the monthly labex journal club “who am I?”.
- 2011-2013: Organization of the BioInfo Club weekly seminar, which gathers biologists who aim to improve their computer skills in analyzing next-generation sequencing data.
<http://www.normalesup.org/~vorgogoz/bioinfo-club.html>
- 2010: Organization of the Second *Drosophila* Genitalia Meeting, 15 participants from US and Europe.

Books

- Orgogozo V**, Rockman M (editors), *Molecular Methods in Evolutionary Biology*. Humana Press (Springer). 2011
- Orgogozo V** (editor), *Genes and Phenotypic Evolution*. In *Current Topics in Developmental Biology*. Elsevier. 2016.
- Courtier V**, Nicoglou A, Pontarotti G, Troubé S, Villa F, Weitzman J (editors), *Dictionnaire encyclopédique de l'Identité*. Gallimard. 2020.

General public outreach

- 2021: Multiples interviews on COVID-19 for [Le Figaro](#), [Le Monde](#), [L'Express](#), [Irradium](#), [Philosophie Magazine](#), [La Libre Belgique](#), [Le Point](#), [L'Express](#), [MIT Technology Reviews](#), [Vanity Fair](#), [The Connexion](#), [Le Figaro](#), [RFI](#), etc.
Courtier V., Decroly E. *Origine de la Covid-19 : l'hypothèse de l'accident de laboratoire doit-elle être étudiée d'un point de vue scientifique ?* [The Conversation](#), May 2021.
Courtier V., Decroly E. *Covid-19: why the lab leak theory must be formally investigated.* [The Conversation](#), June 2021.

- Dans la nature, le forçage génétique peut devenir incontrôlable.* [Pollinis](#). January 2021.
- 2020: Multiple interviews on COVID-19 for *Le Monde*, [L'Express](#), [L'avventura BD](#), [La Libre Belgique](#), [20 Minutes](#), [LCI](#), etc.
[Adios Corona ! Site à destination du grand public qui décrypte les informations sur la COVID-19.](#)
 Interview on COVID-19. [Gara](#). December 2020. [PDF](#)
Le forçage génétique ou "gene drive" : état des lieux et enjeux associés à cette nouvelle biotechnologie. [Cahier TESaCo numéro 1](#). [PDF](#)
 Gene drives. Colloque de lancement du [projet TESaCo «Technologies émergentes et sagesse collective»](#) de l'Académie des sciences morales et politiques. 30-31 janvier 2020. Institut de France.
 Héloïse Leussier (2020) *Après les OGM, la nouvelle technique du forçage génétique inquiète écologistes et scientifiques.* [Reporterre](#). 28 July 2020. [PDF](#)
 Knight, K (2020) *Drosophila larval glue sticks to anything.* Inside JEB. [JEB](#). 23 April 2020 . [PDF](#)
- 2019: Courtier-Orgogozo, V., Peluffo, A.P. *L'identité en biologie.* A paraître. Encyclopédie sur l'Identité. Gallimard.
 Presentation of biology research to Lycée students, Bobigny (93). [association Science ouverte](#).
 Presentation of Drosophila research in our laboratory. Fête de la Science.
 Presentation of the gene drive technology to Académie Vétérinaire de France, Paris.
[Presentation of CRISPR and gene drive.](#) Colloque bi-annuel des enseignants de SVT AFPSVT, Paris.
 Interview by V. Garcia for « 10 milliards de bouches à nourrir ». [L'Express](#). 29 août 2019. [PDF](#)
Évolution des formes dans le monde vivant, Ecole de l'INSERM Liliane Bettencourt, Sèvres.
La notion d'identité en biologie, V. Courtier-Orgogozo, IHPST, Paris.
 Expertise for a publication about gene drive for the Swiss Academy of Sciences.
- 2018: Interview by A. Debroise A for an article about our research: *La copulation de la mouche modifiée par une mutation.* [La Recherche](#).
 Presentation of my research at Lycée Quinet, Paris. Déclic Event.
 Video for our Current Biology paper: *One Mutation, Two Evolutionary Changes.* Oct 2018 [Youtube](#)
 Interview by G. Toussaint for: *Le forçage génétique, entre grands espoirs et grandes inquiétudes.* *La Libre Belgique*. 29 novembre 2018. [PDF](#)
 Expertise for a gene drive publication for ETC Group.
Forçage génétique, qu'est-ce qui gêne? [Revue Sesame](#). Mai 2018. p21. [PDF](#)
Understanding Evolution, Art of Evolution & Evolution of Art Workshop, Off the Beaten Tracks Studio, Washington DC, USA.
Evolution des formes dans le monde vivant. Espace culture, Université de Lille [Vidéo](#)
- 2017: Presentation of my research at Lycée Condorcet, Paris. Déclic Event.
A la recherche des lois cachées de l'évolution. Conférence Hygia, Acad. Nat. de Pharmacie, Paris.
Comprendre comment les espèces évoluent. V. Courtier-Orgogozo, La Maison des Sciences, 20 rue Benoît Malon, 92290 Châtenay-Malabry.
 Interview by E. Lecomte for: *Dans la nature, des modes de reproduction bien plus effrayants que ceux d'Alien.* [Blog Sciences et Avenir](#). Mai 2017.
 Interview for R. Mulot, *Virginie Courtier-Orgogozo : "J'ai l'intuition qu'il existe des lois cachées de l'évolution"*. *Sciences et Avenir*. Hors-série "Le mystère des origines". Jan-Feb 2017.
 Courtier-Orgogozo, V. *The genes behind species evolution.* [PanEuropean Networks](#)
 Courtier-Orgogozo, V. *Understanding life, from past to future.* Discov'Her. Fondation L'Oréal.
 "Les êtres vivants: tous différents et pourtant tous semblables", Univ. Sciences Ouvertes.
- 2016: Radio interview. Gouyon PH, Orgogozo V, Les Mondes du futur. La génétique se 'Crispr' ? Radio Aligre. 6 Oct 2016.
 "Women in Science: How to reboot the system?", European Science Open Forum, UK.
 Participation in a CNRS book about the importance of fundamental biology research.
 "Darwin and the Origin of Species", "What is a Gene?", "Developmental Biology". The 50 most fundamental discoveries in genetics, each explained in half a minute. (eds. Weitzman J., Weitzman, M.). 30-seconds Genetics.
 Morizot B, Orgogozo V. Les "OGM sauvages" inquiètent les scientifiques. Espace de libertés. Sept 2016. vol. 451, p 11-17.
 Morizot B, Orgogozo V. "Forçage génétique: droit de vie et de mort sur les espèces vivantes,

jusqu'ou?" Up-magazine.

"Imaginer une autre évolution de la vie", Libération, 1st April 2016.

Interview by A. Debroise for *Virginie Orgogozo, évolutionniste modèle*. Journal "La Recherche", August 2016.

Interview by Jean-Luc Porquet for the journal "Le Canard enchaîné" about gene drive.

"My research in 3 minutes" at the Forum "Science, recherche et société", Paris. [Youtube](#)

"Les êtres vivants: tous différents et pourtant tous semblables", Univ. Sciences Ouvertes.

La recherche sur les drosophiles. Matamoro-Vidal A, David J, Orgogozo V, Alliance française de Sao Tome.

2015: Visit and seminar at the French Embassy of Luxembourg.

Interview by A. Debroise for "La Recherche", issue on promising French researchers.

"L'évolution du monde vivant: prévisible ou imprévisible ?", Univ. Inter-âges, Versailles.

"L'évolution du génome et le génome dans l'évolution", Univ. Inter-âges, Versailles.

2014: "Sommes-nous déterminés par nos gènes?", Rencontres Sciences et Citoyens, Poitiers.

"Les êtres vivants: tous différents et pourtant tous semblables", Univ. Sciences Ouvertes.

Vidéo "Prix de la Jeune Femme Scientifique".

2013: "Le métier de chercheur/chercheuse", Sciences au carré(e), Forum des Halles, Paris.

2012: Interview by R. Williams for "The Scientist", press article on my paper in Science.

2010: "Can we predict evolution?", conference for the general public, Marseille.

Selected publications

total: 48 publications, 3200 citations, h-index: 21

[Google Scholar](#) - for updated list: <https://virginiecourtier.wordpress.com/publications/>

McQueen EW et al. (2022) A standardized nomenclature and atlas of the female terminalia of *Drosophila melanogaster*. **Fly**. In press. doi: 10.1080/19336934.2022.2058309.

Borne F, Kulathinal RJ, [Courtier-Orgogozo V](#). (2021) Glue genes are subjected to diverse selective forces during *Drosophila* development. **Genome Biology and Evolution** evab248.

Suvorov, A., Kim, B. Y., Wang, J., Armstrong, E. E., Peede, D., D'Agostino, E. R., Price, D.K., Waddell, P., Lang, M., [Courtier-Orgogozo, V.](#), David, J.R., Petrov, P., Matute, D.R., Schrider, D.R., Comeault, A. A. (2021) Widespread introgression across a phylogeny of 155 *Drosophila* genomes. **Current Biology** 32, 1-13. doi:10.1016/j.cub.2021.10.052

van Helden, J., Butler, C. D., Achaz, G., Canard, B., Casane, D., Claverie, J. M., ... & Halloy, J. (2021) An appeal for an objective, open, and transparent scientific debate about the origin of SARS-CoV-2. **The Lancet** 398:1402-1404. doi: 10.1016/S0140-6736(21)02019-5

Borne, F., Prigent, S.R., Molet, M., [Courtier-Orgogozo, V](#). (2021) *Drosophila* glue protects from predation. **Proc. R. Soc. B**. 288: 20210088.

Lefèvre, B.M., Catté, D., [Courtier-Orgogozo, V.](#), Lang, M. (2021) Male genital lobe morphology affects the chance to copulate in *Drosophila pachea*. **BMC Ecol Evo** 21, 23. doi: 10.1186/s12862-021-01759-z

Rode N, [Courtier-Orgogozo V](#), Débarre F. (2020) Can a population targeted by a CRISPR-based homing gene drive be rescued? **G3**. 10 (9), 3403-3415. doi: 10.1534/g3.120.401484

[Courtier-Orgogozo V](#), Danchin A, Gouyon PH, Boète C (2020) Evaluating the Probability of CRISPR-based Gene Drive Contaminating Another Species. **Evolutionary Applications** 00:1–18. doi: 10.1111/eva.12939

Borne F, Kovalev A, Gorb S, [Courtier-Orgogozo V](#) (2020) The glue produced by *Drosophila melanogaster* for pupa adhesion is universal. **Journal of Experimental Biology** 223: jeb220608 doi: 10.1242/jeb.220608

[Courtier-Orgogozo V](#), Martin A (2020) The Coding Loci of Evolution and Domestication: Current Knowledge and Implications for Bio-Inspired Genome Editing. **Journal of Experimental Biology** 223: jeb208934.

Prigent S, Lang M, Nagy O, Acurio A, Matamoro-Vidal A, [Courtier-Orgogozo V](#) and David JR (2020) *Drosophilidae* (Diptera) from São Tomé island: an annotated list of recently collected flies. **Annales de la Société Entomologique de France**. doi:10.1080/00379271.2019.1703814

Gavin Rice, Jean R. David, Yoshitaka Kamimura, John P. Masly, Alistair P. Mcgregor, Olga Nagy, Stéphane Noselli, Maria Daniela Santos Nunes, Patrick O'Grady, Ernesto Sánchez-Herrero, Mark L. Siegal, Masanori J. Toda*, Mark Rebeiz*, [Virginie Courtier-Orgogozo*](#), Amir Yassin* (*: corresponding authors) (2019). Revised nomenclature and atlas of the male terminalia of *Drosophila melanogaster*. **Fly**. doi:10.1080/19336934.2019.1653733 [PDF](#)

[Courtier-Orgogozo V](#), Martin A, Arnoult L, Prigent S, Wiltgen S (2019) Gephebase, a Database of Genotype-Phenotype Relationships for natural and domesticated variation in Eukaryotes. **Nucleic Acid Research**.

Acurio A, Rhebergen FT, Paulus S, [Courtier-Orgogozo V](#), Lang M (2019) Repeated evolution of asymmetric genitalia and one-sided mating in the *Drosophila* nanoptera species group. ***BMC Evolutionary Biology*** 19:109. doi:10.1186/s12862-019-1434-z

Rode NO, Estoup A, Bourguet D, [Courtier-Orgogozo V](#), Débarre F. Population management using gene drive: molecular design, spread dynamics modelling and assessment of ecological risks. ***Conservation Genetics***, 1-20.

Da Lage JL, Thomas GWC, Bonneau M, [Courtier-Orgogozo V](#). (2019) Evolution of salivary glue genes in *Drosophila* species. ***BMC Evolutionary Biology*** 19:36.

Nagy O, Nuez I, Savisaar R, Peluffo AE, Yassin A, Lang M, Stern DL, Matute DR, David JR, [Courtier-Orgogozo V](#). (2018) Correlated Evolution of two Copulatory Organs via a Single Cis-Regulatory Nucleotide Change. ***Current Biology*** 28, 1-7.

[Courtier-Orgogozo V](#), Morizot B, Boëte C (2017) Agriculture Pest Control with CRISPR-based gene drive: Time for public debate. ***EMBO reports*** 18, 878-880.

Rhebergen F, [Orgogozo V](#), Schilthuizen M, Lang M (2016) *Drosophila* *pachea* asymmetric lobes are part of a grasping device and stabilize one-sided mating. ***BMC Evolutionary Biology*** 16(1): 176.

[Orgogozo V](#), Peluffo A, Morizot B (2016) The “Mendelian gene” and the “molecular gene”: two relevant concepts of genetic units. ***Current Topics in Developmental Biology*** 119:1-26.

Lang M, Nagy O, [Orgogozo V](#) (2016) High throughput preparation of fly genomic DNA in 96-well format using a paint-shaker. ***Fly*** 9(3):138-44.

[Orgogozo V](#) (2015). Replaying the tape of life in the twenty-first century. ***Interface Focus***, 5(6), 20150057.

Peluffo AE, Nuez I, Debat V, Savisaar R, Stern DL & [Orgogozo V](#) (2015). A Major Locus Controls a Genital Shape Difference Involved in Reproductive Isolation Between *Drosophila yakuba* and *Drosophila santomea*. ***G3: Genes| Genomes| Genetics***, g3-115.

[Orgogozo V](#), Morizot B & Martin A (2015). The differential view of genotype–phenotype relationships. ***Frontiers in Genetics*** 6:179.

Lang M, Polihronakis Richmond M, Acurio AE, Markow TA, & [Orgogozo V](#) (2014) Radiation of the *Drosophila* nanoptera species group in Mexico. ***Journal of Evolutionary Biology*** 27(3):575-584.

Martin A, [Orgogozo V](#) (2013) The loci of repeated evolution: a catalogue of genetic hotspots of phenotypic variation. ***Evolution*** 67(5):1235–1250.

Yassin A, [Orgogozo V](#) (2013) Coevolution between Male and Female Genitalia in the *Drosophila melanogaster* Species Subgroup. ***PLoS ONE*** 8(2):e57158.

Lang M, Murat S, Clark AG, Gouppil G, Blais C, Matzkin LM, Guittard E, Yoshiyama-Yanagawa T, Kataoka H, Niwa R, Lafont R, Dauphin-Villemant C and [Orgogozo V](#) (2012) Mutations in the *neverland* gene turned *Drosophila pachea* into an obligate specialist species. ***Science*** 337(6102):1658-61.

Yassin A, Gidaszewskib N, Albert B, Hivert J, Rast A, David JR, [Orgogozo V](#), Debat V (2012) The *Drosophilidae* (Diptera) of the Sparse Islands, with the Description of a Novel Association with *Leptadenia madagascariensis* Decne (Apocynaceae). ***Fly*** 6(4):298-302.

Lang M, [Orgogozo V](#) (2012) Distinct copulation positions in *Drosophila pachea* males with symmetric or asymmetric external genitalia. ***Contributions to Zoology*** 81:87-94.

Lang M, [Orgogozo V](#) (2011) Identification of homologous gene sequences by PCR with degenerate oligonucleotides. Book chapter in *Molecular methods in Evolutionary Biology*. Humana Press, Springer.

Stern DL, [Orgogozo V](#) (2009) Is genetic evolution predictable? ***Science*** 6:323(5915):746-51.

Stern DL, [Orgogozo V](#) (2008) The loci of evolution: how predictable is genetic evolution? ***Evolution*** 62(9):2155-77.

Post-doc

McGregor AP, [Orgogozo V](#), Delon I, Zanet J, Srinivasan DG, Payre F, Stern DL (2007) Morphological evolution through multiple cis-regulatory mutations at a single gene. ***Nature*** 448(7153):587-90.

[Orgogozo V](#), Muro NM, Stern DL (2007) Variation in fiber number of a male-specific muscle between *Drosophila* species: a genetic and developmental analysis. ***Evolution and Development*** 9(4):368-77.

[Orgogozo V](#), Broman KW, Stern DL (2006) High-resolution QTL Mapping Reveals Sign Epistasis Controlling Ovariole Number between two *Drosophila* species. ***Genetics*** 173(1):197-205.

PhD thesis

[Orgogozo V](#), Grueber WB (2005) FlyPNS, a database of the *Drosophila* embryonic and larval peripheral nervous system. ***BMC Dev Biol*** 5(1):4.

[Orgogozo V](#), Schweisguth F (2004) Evolution of the larval peripheral nervous system in *Drosophila* species has involved a change in sensory cell lineage. ***Dev Genes Evol*** 214(9):442-52.

[Orgogozo V](#), Schweisguth F, Bellaïche Y (2004) Sliit-Robo signalling prevents sensory cells from crossing the midline in *Drosophila*. ***Mech Dev*** 121(5):427-36.

Lai EC, [Orgogozo V](#) (2004) A hidden program in *Drosophila* peripheral neurogenesis revealed: fundamental principles underlying sensory organ diversity. ***Dev Biol*** 269(1):1-17.

Orgogozo V, Schweisguth F, Bellaiche Y (2002) Binary cell death decision regulated by unequal partitioning of Numb at mitosis. **Development** 129(20):4677-84.

Orgogozo V, Schweisguth F, Bellaiche Y (2001) Lineage, cell polarity and inscuteable function in the peripheral nervous system of the *Drosophila* embryo. **Development** 128(5):631-43.