

FUNCTIONAL ECOLOGY and ECOPHYSIOLOGY



PERSONAL DETAILS

Name GIRON David
Date of birth, civil status 28th February 1976 (37 years), engaged, 1 kid
Nationality French
Permanent Address 8 Impasse Anatole, 37000 Tours
Scientific Address Institut de Recherche sur la Biologie de l’Insecte, UMR CNRS 6035, Faculté des Sciences et Techniques, Parc Grandmont, 37200 Tours, France
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Researcher iD Web of Science B-9108-2013

CURRENT POSITION

*Centre National de la Recherche Scientifique
University François-Rabelais in Tours
Institute of Research on Insect Biology
(2004-present)*

Vice-Director of the IRBI (Since 2011)

CNRS Research Scientist (Chargé de Recherche 1^{ère} classe)

Main Research: "Nutritional Ecology of endophagous Insects"

Research team ESMB: "Ecology of Multitrophic Systems and Biomimetism" IRBI UMR CNRS 7261

<http://casas-lab.irbi.univ-tours.fr/giron.html>

Head of the Functional Ecology Research group

Current members
G. Dubreuil (*Assistant Professor*)
B. Visser (*Marie-Curie Post-doctoral fellow*)
M. Body (*PhD student*)
J-P. Christidès (*Research Engineer*) 20%

<http://irbi.univ-tours.fr/index.php?page=EF-fr>



www.wordle.net

PREVIOUS POSITIONS

University of Georgia in Athens, Entomology Department, USA

Post-doctoral research (2003-2004)

Main Research: *"Evolutionary conflicts, caste ratios, and development in polyembryonic wasps"*.

Project supported by a Région Centre (2003) and a Lavoisier (2004) fellowship

Advisor: Prof. M. Strand (mrstrand@bugs.ent.uga.edu)

University of Wales in Bangor, School of Biological Sciences, UK

Doctoral additional research (4 months in 2002)

Main Research: *"Plant solute and metabolite analyses at single-cell resolution"*.

Advisor: Prof. D. Tomos (a.d.tomos@bangor.ac.uk)

University François-Rabelais in Tours, Institute of Research on Insect Biology, France

PhD thesis in Life Sciences (1999-2002)

Main Research: *"Foraging ecology and life-history traits in parasitic wasps: physiological mechanisms and implications"*.

Project supported by the French Ministry of Research - Obtained with the highest distinction

Advisor: Prof. J. Casas (jerome.casas@univ-tours.fr)

University François-Rabelais in Tours, Institute of Research on Insect Biology, France

MSc degree in Population Biology, Genetics and Eco-Ethology (DEA) (1998-1999)

Research Project: *"Acquisition and allocation of nutritional resources in parasitoids"*

Obtained with the highest distinction (rank 1/25)

Advisor: Prof. J. Casas (jerome.casas@univ-tours.fr)

AWARDS AND PRIZES

Perry Adkisson Award (Texas A&M)	2010	<i>Distinguished Speaker Award</i>
Medal of Honor (University of Tours)	2005	<i>Most promising young scientist</i>
Société Francophone d'Entomologie (Cife)	2002	<i>Best study of the year</i>
British Ecological Society (JBS Haldane Prize)	2002	<i>Best paper in Functional Ecology by a young scientist</i>

LABORATORY LIFE AND INSTITUTIONAL INVESTMENT

(1999-2002; 2004-present)

IRBI

- ↻ Assistant Director of the Institute (*directeur adjoint*), since 2011
- ↻ Elected member of the laboratory council (*conseil d'UMR*)
- ↻ Member of the financial commission of the laboratory (*commission des finances*)
- ↻ Corresponding scientist for the *European PhD school in Insect Sciences* (*Ecole doctorale Européenne*)
- ↻ Safety officer for the Institute (*ACMO*)
- ↻ Co-organizer of laboratory seminars (*séminaires du laboratoire*)
- ↻ Co-editor of the laboratory journal (*journal du laboratoire*)
- ↻ Co-organizer of the annual Opening Day of the Institute (*jours portes ouvertes*)
- ↻ Representative of the PhD students for the CNRS hearing in 2002 (*comité d'Audit*)

University F-Rabelais

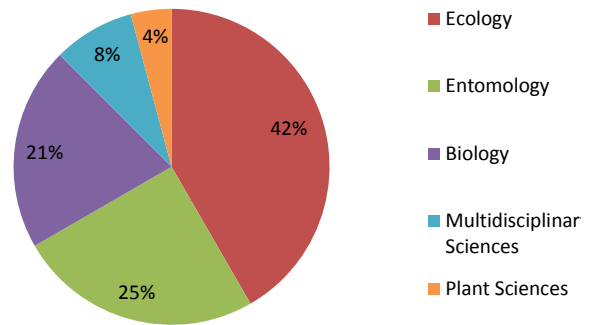
- ↻ Elected member of the recruitment commission section n°67-68 (*Commission Scientifique Disciplinaire Paritaire*)

CNRS

- ↻ Member of the training commission of the CNRS Regional unit (*commission Régionale de Formation Permanente*)

PUBLICATIONS

24 Publications in peer-reviewed journals
 h-index^{Web of Science} = 13, h-index^{Google Scholar} = 14
 i10 index = 15
 Max citations^{Web of Science} 66, Max citations^{Google Scholar} 75
 Total citations^{Web of Science} 533, Total citations^{Google Scholar} 694



Researcher iD Web of Science
 B-9108-2013
ResearchGate
 RG Score 26.96

Citations (Google Scholar)

http://scholar.google.fr/citations?hl=fr&user=9hEPuyQAAAAJ&view_op=list_works

Major publications

- 2013** Giron D., Frago E., Glevarec G., Pieterse CMJ. & Dicke M. **Cytokinins** as key regulators in plant–microbe–insect interactions: connecting plant growth and defence. **Functional Ecology** 27, 599-609
- 2010** Kaiser W., Hugué E., Casas J., Commin C. & Giron D. Plant green-island phenotype induced by leaf-miners is mediated by **bacterial symbionts**. **Proceedings of the Royal Society, London B** 277, 2311–2319
- 2005** Casas J., Pincebourde S., Mandon N., Vannier F., Pujol R. & Giron D. Lifetime multidimensional **nutrient dynamics** in a simultaneous capital and income breeding parasitoid insect. **Ecology** 86, 545-554
- 2004** Giron D., Dunn DW, Hardy ICW & Strand MR. Aggression by polyembryonic wasp soldiers correlates with kinship but not resource competition. **Nature** 430, 676-679
- 2003** Giron D & Casas J. Mothers reduce egg provisioning with age. **Ecology Letters** 6, 273-277
- 2002** Giron D, Rivero A, Mandon N, Darrouzet E & Casas J. The physiology of host feeding in parasitic wasps: implications for survival. **Functional Ecology** 16, 750-757

CATEGORY	JOURNAL	IF	Q	OTHER CATEGORIES	N
Multidisciplinary Sciences	Nature	38.597	Q1		1
	Plos One	3.730	Q1		1
Ecology	Ecology Letters	17.949	Q1		2
	Molecular Ecology	6.275	Q1	Evolutionary Biology (Q1) Biochemistry and Molecular Biology (Q1)	1
	Ecology	5.175	Q1		2
	Functional Ecology	4.861	Q1		2
	Journal of Evolutionary Biology	3.479	Q1	Evolutionary Biology (Q2) Genetics and Heredity (Q2)	1
	Journal of Chemical Ecology	2.462	Q2	Biochemistry and Molecular Biology (Q3)	1
	Ecological Research	1.565	Q3		1
Biology	Proceedings of the Royal Society B	5.683	Q1	Ecology (Q1) Evolutionary Biology (Q1)	3
	Biology Letters	3.348	Q1	Ecology (Q1) Evolutionary Biology (Q2)	2
Plant Sciences	Annals of Botany	3.449	Q1		1
Entomology	Journal of Insect Physiology	2.379	Q1	Physiology (Q2)	2
	Ecological Entomology	1.954	Q1		1
	Physiological Entomology	1.417	Q2		3

See a complete list of publications at the end

EVALUATION & ADVISORY BOARDS

Editorial Board

Journal of Chemical Ecology (IF=2.462)

Ecology (Q2)

Biochemistry and Molecular Biology (Q3)

Journal of Insect Physiology (IF=2.379)

Entomology (Q1)

Physiology (Q2)

Referee for scientific journals

CATEGORY	JOURNAL	IF	Q
Ecology	Trends in Ecology and Evolution	15.389	Q1
	Molecular Ecology	6.275	Q1
	Ecology	5.175	Q1
	Functional Ecology	4.861	Q1
	Oecologia	3.011	Q2
	Chemoecology	1.945	Q3
Multidisciplinary Sciences	Plos One	3.730	Q1
Biology	Biology Letters	3.348	Q1
Zoology	Behavioral Ecology	3.216	Q1
	Behavioural Ecology & Sociobiology	2.752	Q1
	Ethology, Ecology and Evolution	1.121	Q2
Plant Sciences	New Phytologist	6.736	Q1
	Journal of Experimental Botany	5.242	Q1
	Plant Biology	2.320	Q2
Entomology	Journal of Insect Physiology	2.416	Q1
	BioControl	2.215	Q1
	Ecological Entomology	1.954	Q1
	Entomologia, Experimentalis et Applicata	1.669	Q2
	Journal of Economic Entomology	1.600	Q2
	Arthropod-Plant Interactions	1.574	Q2
	Physiological Entomology	1.417	Q2
	Environmental Entomology	1.314	Q2
	Annals of the Entomological Society of America	1.196	Q2
	Journal of Insect Behavior	0.901	Q2

Referee for scientific programs

NSF National Science Foundation (USA)

NWO Research Council for Earth and Life Sciences (The Netherlands)

ISF Israel Science Foundation (Israel)

IRD Département Soutien et Formation des Communautés du Sud (France)

ANR Programme Jeunes chercheuses et Jeunes Chercheurs (France)

NCN National Science Centre (Poland)

UNIMI Università Degli Studi di Milano

Prospective meetings

•Chemical Ecology

CNRS, Paris, France - May 2011

•Insect-Plant-Microbe Interactions

ESF, Wageningen, The Netherlands, August 2011

RESEARCH PROJECTS & GRANTS

2005-2008 Agence Nationale de la Recherche, Young investigators program.

EcOrEn (ANR-05-JCJC-0203) *Ecophysiology of endophagous insects*. Tours, France.

Principal investigator: **D. Giron**

➔ Role: Principal investigator (150 000€)

2008-2011 Centre National de la Recherche Scientifique, International Projects of Scientific Cooperation.

Acquisition and regulation of metabolic resources by insect parasitoids: influence of individual behaviour and reproductive success in two Argentinean species of economic relevance. France – Argentina.

Principal investigators: **C. Bernstein (France) & JC. Corley (Argentina)**

➔ Role: Participant

2009-2013 Agence Nationale de la Recherche, Young investigators program.

Competitive coexistence of phytophagous insects and pulsed resource: Neutral or stable coexistence? Lyon, France .

Principal investigator: **S. Venner**

➔ Role: Participant

2009-2012 Agence Nationale de la Recherche, Non thematic program.

Parasitoid toxins: origin, specificity, evolution? Tours, France.

Principal investigator: **M. Poirié**

➔ Role: Participant

2010-2013 Région Centre, Non thematic program.

Endofeed Evolution and Adaptive Significance of the Endophagous Feeding mode in Insects. Tours, France.

Principal investigator: **D. Giron**

➔ Role: Principal investigator (250 000€)

2013-2014 EU 7th Framework Programme, FP7-PEOPLE-2011-IEF

Ecology & Lipogenesis Ecological conditions underlying the lack of lipid synthesis in parasitic insects. Tours, France.

Principal investigator: **D. Giron** Post-doctoral Fellow: **B. Visser**

➔ Role: Supervisor (200 000€)

MAIN SCIENTIFIC COLLABORATIONS

Plant Physiology

"Plant solute and metabolite analyses at single-cell resolution"

Since 2002, SBS, University of Wales, Bangor, UK. Prof. D. Tomos (a.d.tomos@bangor.ac.uk)

"Cytokinin signalling and plant defense strategies"

Since 2005, Biomolécules & Biotechnologies Végétales EA2106, Université F-Rabelais de Tours, Tours, France. Dr. G. Glevarec (gaelle.glevarec@univ-tours.fr) & Dr. A. Lanoue (arnaud.lanoue@univ-tours.fr)

Ecophysiology of Insects

"Evolutionary conflicts, caste ratios, and development in polyembryonic wasps"

Since January 2003, Entomology Department, University of Georgia, Athens, USA. Prof. M. Strand (mrstrand@bugs.ent.uga.edu)

"Nutrient acquisition and allocation strategies in insects"

Since 2004, Département de Biométrie et de Biologie Evolutive, Université C. Bernard Lyon1, Villeurbanne, France. Prof. E. Desouhan (desouhan@bioserv.univ-lyon1.fr) & Dr. S. Venner (samuel.venner@univ-lyon1.fr)

Plant-Insect Interactions

"Evolution of leafminers"

Since 2010, Unité de Zoologie Forestière, INRA, Orléans, France. Dr. C. Lopez-Vaamonde (Carlos.Lopez-Vaamonde@orleans.inra.fr)

"Evolution of plant-insect interactions"

Since 2010, Department of Ecology and Evolutionary Biology, Center for Insect Sciences, University of Arizona, Tucson, USA. Dr. N. Whiteman (whiteman@email.arizona.edu)

CONFERENCES & WORKSHOPS

Communications in **18** national & **26** international meetings

Invited conferences

- 2013** ➤ Royal Dutch Zoological Society (KNDV) *Evolutionary Physiology: linking gene to function*
Amsterdam, The Netherlands 7 May 2013
Coping with a senescing environment: When insects reveal to plants the secret of eternal youth
- Le Studium Conference *Vector Borne Disease: a multidisciplinary Approach*
Tours, France 8-9 April 2013
53 years devoted to the study of insects in the Region Centre
- 2012** ➤ XXIV International Congress of Entomology
Daegu, Korea 19-25 August 2012
Leaf-miner insects modulate nutritional intake through an unexpected association with endosymbiotic bacteria
Coping with a senescing environment: when insect reveal to plants the secret of eternal youth
- Environment Workshops (UN) *Plant-Microbe-Insect interactions: from molecular mechanisms to ecological implications*
Baeza, Spain 24-26 September 2012
Coping with a senescing environment: when insect reveal to plants the secret of eternal youth
- Ecole Thématique Ecologie Chimique
Fréjus, France 24-30 June 2012
Microbial chemical ecology
- 2011** ➤ European Science Foundation Exploratory Workshop (ESF) *Plant-Microbe-Insect interactions: from molecular mechanisms to ecological implications*
Wageningen, The Netherlands 18-20 August 2011
Plant green-island phenotyp induced by leafminers is mediated by bacterial symbionts
- 96th Ecological Society of America (ESA)
Austin-Texas, USA 7-12 July 2011
Leafminer insects trigger the host plant physiology through an unexpected association with endosymbiotic bacteria
- Société des Amis du Muséum National d'histoire Naturelle et du Jardin des Plantes
Paris, France 26 November 2011
Quand les insectes révèlent aux plantes le secret de la jeunesse éternelle: l'histoire d'un ménage à trois
- 2010** ➤ 11th Gordon Research Conference on Plant-Herbivore Interaction
Galveston-Texas, USA 21-26 February 2010
Leafminer insects trigger the host plant physiology through an unexpected association with endosymbiotic bacteria
- 6th Ecology and Behaviour Meeting (SERL)
Tours, France 12-16 April 2010
Leafminer insects trigger the host plant physiology through an unexpected association with endosymbiotic bacteria
- 2008** ➤ European PhD in Insect Science and Biotechnology *Insect Development*
Florence, Italie 5-6 June 2008
Keeping it in the family! Evolutionary conflicts, altruism and kinship recognition in parasitic wasps.
- BEPAR Summer School (ESF Science Meeting) *Chemical Approaches to Parasitoid Behavioural Ecology*
Nottingham, Grande-Bretagne 1-5 September 2008
Nutritional chemistry: Hormones and other metabolites
- 2005** ➤ Chemical Ecology meeting (GDR Ecologie Chimique)
Tours, France 6-7 October 2005
Microenvironnement foliaire et alimentation sélective : Ecologie chimique et Comportementale des organismes endophytes.

Conferences & Workshops organization

- 2012** ➤ XXIV International Congress of Entomology.
Daegu, Korea 19-25 August – *Symposium Co-organizer*
- CNRS National School in Chemical Ecology
Fréjus, France 24-30 June – *Part of the scientific committee*
- European PhD network in Insect Science
Tours, France 7-11 November 2012 - *Main organizer*

- 2010** ➔ 27th meeting of the International Society of Chemical Ecology
Tours, France 31 July-4 August 2010 - *Part of the organizing committee*
- 2008** ➔ 6^{ème} Congrès Jeunes Chercheurs de la Société Française de Biologie Végétale
Tours, France 3-4 July 2008 - *Co-organizer*
- 2007** ➔ 35^{èmes} journées des Entomophagistes
Tours, France 16-18 April 2007 - *Main organizer*

TEACHING AND SUPERVISION

Research Habilitation: « Habilitation à Diriger des Recherches » (6 Novembre 2009)

A multidimensional dynamic approach to the Nutritional Ecology of insect: from host-parasitoid to plant-insect interactions

Teaching (2004-present)

Plant-Insect interactions

Master level 1 (~15hrs/year) – University of Poitiers

Evolutionary strategies

Master level 2 (~12hrs/year) – University of Poitiers

Biodiversity

Master level 1 (~10hrs/year) – University of Tours

Ecophysiology

Master level 2 (~12hrs/year) – University of Tours

Past teaching experience (2000-2002)

Statistics and Computer sciences. Licence level 3 (100hrs) – University of Tours. *Biology and evolution of animal functions*. Master level 1 (20hrs) – University of Tours. *Statistics and Data processing in Biology*. Master level 1 (60hrs) – University of Tours

Students supervision (1999-present)

PhD

Hui Zhang (China), Mélanie Body, Michal Segoli (Israël), Luz-Miryam Gomez (Colombia)

Master level 2 (Research training) (Master 2 Recherche)

Gaudin Virginie, Florence Gutzwiller, Isabelle Mazerie, Céline Commin

Master level 2 (Professional training) (Master 2 Professionnel)

Wilfried Kaiser

Engineer in Agronomy 3rd year (Ingénieur Agronome)

Henri Beyer

Master level 1 (Master 1)

Alexandre Lebrun, Céline Commin, Fabien Petit, Sylvain Pincebourde, Grégory Boileau

Master level 1 (European ERASMUS exchange program)

Ruben Ortiz

Professional degree (Licence Professionnelle)

Jérémy Mamour

PhD Committee member

Perinne Pelosse 2005-2008

"Impact of evolutionary trade-offs in the specialization and the coexistence of competitive species: theory and experimental tests in the parasitoid Venturia canescens". University Claude Bernard – Lyon 1 (M. Desouhant & C. Bernstein)

Vincent Foray 2008-2011

"Phenotypic plasticity in complex environment". University Claude Bernard – Lyon 1 (M. Desouhant)

Pierre Pellisson 2008-2011

"Pulsed resources and coexistence of competitive specie : an example in a phytophagous insect". University Claude Bernard, Lyon 1 – Lyon (F. Menu & S. Venner)

Rihab Mohamad 2008-2011

"Intra- and inter-specific competition in parasitoids: a behavioral and population perspective". Université François Rabelais - Tours (JP. Monge & M. Goubault-Body)

Marc-Antoine Cannesan 2008-2011

"Border cells and root protection against A. euteiches". Université de Rouen – Rouen (A. Driouch)

Chloé Lahondère 2009-2012
"Thermal stress and thermoregulation in hematophagous insects". Université François Rabelais – Tours (C. Lazzari)

Thiago Andrade 2010-2013
"Consequences of climate and agricultural landscape on aphid parasitoid populations". Université de Rennes I – Rennes (J. Van Baaren, Y. Outreman & L. Crespi)

Floriane Chardonnet 2010-2013
"Role of the foraging gene on nutritional preferences and host specialization in a Lepidoptera species". Université Pierre et Marie Curie, Paris 6 – Paris (L. Kaiser-Arnauld & J-F. Silvain)

Rafael Cardenas 2010-2013
"The functional role of invertebrates in litter decomposition in Neotropical ecosystems". Université Pierre et Marie Curie – Paris 6 (O. Dangles)

Johnattan Hernandez Cumplido 2011-2014
"Plant mediated interactions in a multitrophic system in Mexico". Université de Neuchâtel – Neuchâtel (B. Benrey)

Romain Pigeault 2013-2016
*"Evolution of the interaction between *Plasmodium relictum* and its insect vector *Culex pipiens*"*. Université de Montpellier 2 – Montpellier (A. Rivero & S. Gandon)

PhD Board of examiners

Fabio Manfredini 2005-2008
*"Biochemical and molecular processes involved in the host immunity elusion by the strepsipteran endoparasite *Xenos vesparum* during its larval development within the paper wasp *Polistes dominulus*"*. University of Siena, Italy (R. Dallai)

Joffrey Moiroux 2006-2010
"Evolution des stratégies de reproduction de parasitoïdes de drosophiles en réponse au climat". University of Rennes, France (J Van Baaren & J Van Alphen)

Pauline Le Guigo 2006-2010
"Tritrophic interactions between Brassicae, aphids and a parasitoid". Institut National d'Horticulture, Angers (J Le Corff)

Marc-Antoine Cannesan 2008-2011
*"Border cells and root protection against *A. euteiches*"*. Université de Rouen, Rouen (A. Driouich)

Bertanne Visser 2008-2011
"Lipogenesis in parasitoids: mechanisms and evolutionary patterns". Vrije Universiteit - Amsterdam (J. Ellers)

Thiago Andrade 2010-2013
"Spatio-temporal diversity evolution and functioning of a parasitoid guild". Université de Rennes I – Rennes (J. Van Baaren, Y. Outreman & L. Crespi)

Rafael Cardenas 2010-2013
"The functional role of invertebrates in litter decomposition in Neotropical ecosystems". Université Pierre et Marie Curie – Paris 6 (O. Dangles)

Research Habilitation (HDR) Board of examiners

Mathieu Sicard 2010
"Evolution of virulence and specificity in symbioses"

ADDITIONAL TRAINING

Evolutionary Ecology

"Principles in evolutionary ecology and applications"

2004-2006, Tours, France

Speakers: Jacob Koella, John Wang, Stéphane Dupas, Georges Périquet

Chemical Ecology

"Exploitation of plant defence chemistry by insects"

10-12 September 2001, Neuchâtel, Switzerland

Speakers: Ian Baldwin, Bob Denno, Karl Gotthard, Jacques Pasteels, Maurice Sabelis

Ecology

"Parasitoids: their biology, ecology and application"

25-27 September 2000, Neuchâtel, Switzerland

Speakers : Ian Hardy, Keith Hopper, Jay Rosenheim,
Michael Strand, Félix Wäckers

Separative techniques

"Fundamentals in capillary electrophoresis"

26-30 November 2006 & 9-11 January 2007, Paris, France

Organizer: Beckman Coulter France

Safety

"Radiation safety training"

17-21 May 2003, Athens-Georgie, USA

Speaker: Dennis Widner

"Emergency exit procedures"

21 November 2006, Tours, France

Organizer: Ecole du Feu, CHRU de Tours

"Waste management"

23-24 March 2006, Marseille, France

Organizer: XXIIIèmes journées de l'ADHYS

"First aid at work"

27-29 June 2005, Tours, France

Organizer: APAVE

"Safety officer"

8-10 February & 8-10 Mars 2005, Paris, France

Organizer: CNRS délégation Paris A

Modelling

"Dynamic state modelling in ecology"

12-15 June 2001, Lyon, France

Invited speaker : Marc Mangel

Management

"Managing a research group"

12-16 September, 3-4 December 2009, & 21-22 January 2010, CNRS Orléans, France

Organizer: Service Partenariat et Valorisation de la Délégation CNRS

"Project management"

12-13 June 2006, CNRS Orléans, France

Organizer: cabinet Trajectoires, Dominique Duprat and Service Partenariat et Valorisation de la Délégation
CNRS DR08

"Time management"

30-31 January 2011, CNRS Orléans, France

Organizer: CNRS DR08

"Social and Psychological risks"

11 October 2011, Orléans/Rennes/Poitiers, France

Organizer : CNRS DR17, DR19, DR08

PERSONAL INFORMATION

Associative investment

Educational farm "*Le petit Pausailleur*" Since 2004

Leisure center for autistic children and disabled people – Vouvray, France

Member of the board of directors, Volunteer in charge of communication & search for financing, Animals care on week-ends and holidays

Support network "*Enfance et Familles d'Adoption*" Since 2005

Resource center for adopting children and adopting parents – Tours & Poitiers, France

Vice-President, Member of the Board of directors, Volunteer

PUBLICATIONS

Peer-reviewed journals

- 2013** ➔ From Income to Capital Breeding: When Diversified Strategies Sustain Species Coexistence
Pelisson PF, Bel-Venner MC, Giron D, Menu F & Venner S
PLOS ONE 8 (9), e76086
DOI: 10.1371/journal.pone.0076086
[IF2011: 3.730; citations: - (source ISI©), 1 (source Google Scholar)]
- ➔ Leaf-Miners Co-opt Microorganisms to Enhance their Nutritional Environment
Body M, Kaiser W, Dubreuil G, Casas J & Giron D
Journal of chemical ecology 39 (7), 969-977
DOI: 10.1007/s10886-013-0307-y
[IF2011: 2.462; citations: - (source ISI©), - (source Google Scholar)]
Special Issue: Microbial Chemical Ecology
- ➔ Cytokinins as key regulators in plant–microbe–insect interactions: connecting plant growth and defence
Giron D, Frago E, Glevarec G, Pieterse CMJ & Dicke M
Functional Ecology 27 (3), 599-609
DOI: 10.1111/1365-2435.12042
[IF2011: 4.861; citations: 6(source ISI©), 8 (source Google Scholar)]
Special Issue: Plant-Microbe-Insect Interactions
[Cover picture](#)
- 
- 2012** ➔ A handbook for uncovering the complete energetic budget in insects: the van Handel's method (1985a, b) revisited.
Foray V, Pelisson P-F, Bel-Venner M-C, Desouhant E, Venner S, Menu F, **Giron D**, Rey B
Physiological Entomology 37 (3), 295-302
DOI: 10.1111/j.1365-3032.2012.00831.x
[IF2011: 1.417 citations: 3 (source ISI©), 5 (source Google Scholar)]
- ➔ Evolution of metabolic rate in a parasitic wasp: The role of limitation in intrinsic resources.
Moiroux J, Giron D, Vernon P, van Baaren J & van Alphen JM
Journal of Insect Physiology 58 (7), 979-984
DOI: 10.1016/j.jinsphys.2012.04.018
[IF2011: 2.379; citations: - (source ISI©), 1 (source Google Scholar)]
- ➔ A specialist root herbivore exploits defensive metabolites to locate nutritious tissues.
Robert C, Veyrat N, Glauser G, Marti G, Doyen GR, Villard N, Gaillard MDP, Köllner TG, **Giron D**, Body M, Babst BA, Ferrieri RA, Turlings TCJ & Erb M
Ecology Letters 15 (1), 55-64
DOI: 10.1111/j.1461-0248.2011.01708.x
[IF2011: 17.949; citations: 19 (source ISI©), 29 (source Google Scholar)]
- 2011** ➔ Association between border cell responses and localized root infection by pathogenic *Aphanomyces euteiches*.
Cannesan MA, Gangneux C, Lanoue A, **Giron D**, Laval K, Hawes M, Driouich A & Vicié-Gibouin M
Annals of Botany 108 (3), 459-469
DOI: 10.1093/aob/mcr177
[IF2011: 3.449; citations: 3 (source ISI©), 6 (source Google Scholar)]
- ➔ A genomically tractable and ecologically relevant model herbivore for a model plant: new insights on mechanisms of insect-plant interactions and evolution.
Giron D & Huguet E
Molecular Ecology 20 (5), 990-994
DOI: 10.1111/j.1365-294X.2010.04902.x
[IF2011: 6.275; citations: 2 (source ISI©), 2 (source Google Scholar)]

- 2010** ↻ Plant green-island phenotype induced by leaf-miners is mediated by bacterial symbionts. ⑦
Kaiser W, Huguët E, Casas J, Commin C & **Giron D**
Proceedings of the Royal Society, London B 277 (1692), 2311–2319
DOI: 10.1098/rspb.2010.0214
[IF2011: 5.683; citations: 31 (source ISI©), 40 (source Google Scholar)]
- ↻ Feeding activity pattern in a parasitic wasp when foraging in the field.
Desouhant E, Lucchetta P, **Giron D** & Bernstein C
Ecological Research 25 (2), 419-428
DOI: 10.1007/s11284-009-0671-9
[IF2011: 1.565; citations: 13 (source ISI©), 17 (source Google Scholar)]
- 2009** ↻ Ecophysiological attributes of adult overwintering in insects: insights from a field study in the nut weevil *Curculio nucum*.
Bel-Venner MC, Mondy N, Arthaud F, Marandet J, **Giron D**, Venner S & Menu F
Physiological Entomology 34(1), 61-70
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