

## **Rodolphe ROUGERIE, PhD**

**Birth date and nationality:** Dec.28.1974, French

**Current address and function:** Postdoctoral researcher, INRA Orléans, Forest Zoology Research Unit (URZF - UR633), 2163 Avenue de la Pomme de Pin, CS40001 Ardon, 45075 Orléans Cedex 2, France.

**Home address:** 145 Route de Cléry, Bât.12, F-45370 Mézières Lez Cléry, France.

**Contact information:** [rrougeri@gmail.com](mailto:rrougeri@gmail.com) / +33 (0)6 8450 8579

**Role in project coordination:** [iBOL](#) (international Barcode of Life) [Lepidoptera Campaign](#) (iBOL Working Group 1.9 "Terrestrial Life"); chair of [Saturniidae](#) and [Sphingidae](#) campaigns.

### **EDUCATION (PhD in 2005)**

**Ph.D. Muséum National d'Histoire Naturelle, Paris - Honors with distinction, 2005**

Dissertation: Phylogeny and biogeography of the Saturniinae (Lepidoptera, Saturniidae): morphological and molecular approach; Advisor: Prof. Joël Minet (MNHN)

**M.Sc. in "Animals and plants systematic", MNHN, Paris - Honors with distinction, 2000**

Dissertation: Parapatry, hybrid zones and radiation in the Neanurinae of the genus *Deutonura* (Collembola) in Catalonia (Spain); Advisor: Prof. Louis Deharveng (MNHN/CNRS)

**M.A. "Populations and Ecosystems Biology", University of Toulouse, 1997**

### **POSTDOCTORAL RESEARCH EXPERIENCE (2006-2014)**

**Postdoctoral Fellow at INRA-URZF, Orléans, France** – from Feb. 2013 to present. PASSIFOR project (Molecular identification and monitoring of saproxylic beetles using DNA metabarcoding); coordinators: Guy Landmann, GIP ECOFOR; Carlos Lopez-Vaamonde (URZF); Christophe Bouget (IRSTEA, Nogent Sur Vernisson)

**Postdoctoral Fellow and Research Associate at the University of Rouen, France** – from Sept. 2010 to Jan. 2013. ECODIV lab, director: Prof. Thibaud Decaëns

**Postdoctoral Fellow at the Biodiversity Institute of Ontario, University of Guelph, Guelph, Ontario, Canada** – from Sept. 2006 to Aug. 2010. Director: Paul D. N. Hebert

### **TEACHING EXPERIENCE**

**Research and Teaching Assistant (ATER), University of Rouen, France, 2003-2005:** Undergraduate practical and theoretical courses in animal biology (36h), botany and plant biology (150h), soil ecology (30h); Graduate practical and theoretical courses in systematics and biogeography (30h).

**As invited lecturer: University of Rouen, France, Oct.2011:** creation and teaching of a DNA barcoding class (basics and applications) for undergraduate students (4h); **ECOTROP tropical ecology field school, La Lopé, Gabon, Mar.2011 & 2013:** 2-weeks class combining lectures and hands-on training (field and lab work).

### **DISSEMINATION OF RESEARCH**

**Publications:** 38 peer-reviewed and 12 other scientific articles; 2 entomology books.

**Citation metrics:** h-index=15, total number of citations=570, most cited paper=111 cites (Janzen et al., 2009).

**Scientific seminars:** 17 presentations in universities/institutes/scientific societies, 1 [online seminar](#).

**International conferences:** 91 communications of which 35 as 1<sup>st</sup> author: 25 talks (5 invited), 10 posters.

**Editorial role:** active reviewer for 13 international scientific journals; member of editorial board for the Bulletin de la Société Entomologique de France.

### **STUDENT MENTORING**

**PhD research project:** 1 Canadian and 2 Brazilian PhD candidates, through collaboration to thesis chapter (John J. Wilson [2009-2010, now PhD], L. Anderson Ribeiro-Leite [2010-2012], Mauricio M. Zenker [2011-2013, now PhD])

**2<sup>nd</sup> year M.Sc. research project:** 3 French students (Benoît Richard [2008, now PhD], Olivier Bouteleux [2012], Sylvain Delabie [current]) and 1 Gabonese student (Hughes Bikang [current]).

**1<sup>st</sup> year M. Sc. research project:** 2 Gabonese students (Hughes Bikang [2013], Franck Mounioko [2013]).

## RESEARCH AND TRAVEL GRANTS

**12 projects funded as PI or co-PI** between 1996 (as undergraduate) and 2013, for a total of ca. 86K€.

**Involved in 12 projects deposited in 2013-2014.**

**3 projects currently under review as PI or co-PI**, including one ANR (French National Research Agency) project with budget over 400K€.

## AWARDS / DISTINCTIONS

**Sotavalta lecture medal** (2011 - Finnish Society of Lepidopterology)

## INVOLVEMENT IN NATURAL HISTORY, ENTOMOLOGICAL OR SYSTEMATICS SOCIETIES

**Membership** in 7 French and international societies (1<sup>st</sup> membership in 1989).

**Co-founder** in 1995 of the Association of Entomologist Students in Toulouse.

**Honorary attaché** of the Muséum national d'Histoire Naturelle (MNHN), Paris since 2010.

## LANGUAGES, SKILLS

**Languages:** French (parental) and English (fluent, spoken/written); German (basics: 5y of middle- and high-school classes; no practice since then)

**Entomological fieldwork** experience in temperate (Europe, Canada) and tropical regions (South-America, Africa, Southeast Asia, Australia); use of diverse collecting techniques for diurnal/nocturnal insects, extraction of soil invertebrates.

**Entomological collection curator** experience acquired during my PhD at the MNHN, Paris and while managing the bombycoid section of the Lepidoptera collection at the Biodiversity Institute of Ontario, Canada; development and management of a personal collection of Saturniidae since 1995. Extensive experience in accessing collection material through visits to a large number of public and private entomology collections in Europe, North- and South-America, and Australia.

**Insect breeding experience** acquired through rearing hundreds of Lepidoptera species, and through professional experience in butterfly farming (1995 & 1996) and in an insect breeding laboratory (1998-1999).

**Comparative morphology:** dissection of insects (genitalia, whole organism), preparation of microscopy slides (Lepidoptera, Collembolans), SEM (Lepidoptera adult and immature structures, chaetotaxy).

**Molecular analyses:** laboratory experiments from DNA extraction to sequence analysis and editing; experience in large volume (plate-based, automated robotic handling) as well as in single-tube experiments (kits, phenol-chloroform extraction). PCR optimization and primer design. Sample preparation and study design for NGS experiments in biomonitoring.

**Data analyses:** experience in phylogenetic analysis of morphological and molecular data (maximum parsimony, maximum likelihood, Bayesian analyses); sequence comparisons (Blast, distance analyses) and automated species/OTUs delineation methods (ABGD, GMYC); diversity analyses for community ecology (alpha/beta/gamma diversity, diversity indices). Basic usage of GIS (MapInfo, ArcGIS) and statistical (R, R-Studio) softwares.

**Project management experience**, as leader of global scale DNA barcoding campaigns on Lepidoptera involving a network of more than 100 collaborators worldwide for taxon-specific or region/continent based projects.

## SUGGESTED REFERENCES

**Dr. Carlos Lopez-Vaamonde** (current supervisor) ; CR1, INRA Orléans, Unité de Recherche en Zoologie Forestière – email: [carlos.lopez-vaamonde@orleans.inra.fr](mailto:carlos.lopez-vaamonde@orleans.inra.fr)

**Dr. Paul HEBERT** (postdoctoral supervisor for 4 years); Professor, University of Guelph, Director of the Biodiversity Institute of Ontario and Canadian Centre for DNA Barcoding – email: [phebert@uoguelph.ca](mailto:phebert@uoguelph.ca)

**Dr. Thibaud DECAËNS** (postdoctoral supervisor for 2 years); Professor, University of Rouen, ECODIV Laboratory – email: [thibaud.decaens@univ-rouen.fr](mailto:thibaud.decaens@univ-rouen.fr)

**Dr. Joël MINET** (PhD supervisor); Professor, Muséum national d'Histoire Naturelle, Lepidoptera section curator – email: [minet@mnhn.fr](mailto:minet@mnhn.fr)

**Dr. Axel HAUSMANN** (Collaborator); Zoologische Staatssammlung München, Lepidoptera section leader – email: [Axel.Hausmann@zsm.mwn.de](mailto:Axel.Hausmann@zsm.mwn.de)

**Dr. Daniel H. JANZEN** (Collaborator); Professor, University of Pennsylvania, Department of Biology – email: [djanzen@sas.upenn.edu](mailto:djanzen@sas.upenn.edu)

**PEER-REVIEWED PUBLICATIONS**

2014

Vincent B, Hajibabaei M, **Rougerie R**: Description of a remarkable new tiger-moth (Lepidoptera: Arctiidae) from the Caribbean, with preliminary discussion of its placement in the family based on morphology and molecules. **Zootaxa**, 2014, 3760: 289-300.

Lees DC, Kawahara AY, **Rougerie R**, Ohshima I, Kawakita A, Bouteleux O, Lopez-Vaamonde C: DNA barcoding reveals a largely unknown fauna of Gracillariidae leaf mining moths in the Neotropics. **Molecular Ecology Resources**, 2014, 14: 286-296. DOI: [10.1111/1755-0998.12178](https://doi.org/10.1111/1755-0998.12178)

2013

Hausmann A, Godfray HC, Huemer P, Mutanen M, **Rougerie R**, van Nieukerken E, Ratnasingham S, Hebert PDN: Genetic patterns in European geometrid moths revealed by the Barcode Index Number (BIN) system. **PLoSOne**, 2013, 8: e84518. DOI: [10.1371/journal.pone.0084518](https://doi.org/10.1371/journal.pone.0084518)

Smith MA, Fernández-Triana JL, Eveleigh E, Gómez J, Guclu C, Hallwachs W, Hebert PDN, Huber JT, Janzen DH, Mason PG, Miller SJ, Quicke DLJ, Rodriguez JJ, **Rougerie R**, Shaw MR, Várkonyi G, Ward D, Whitfield JB, Zaldivar-Riveron A: DNA barcoding and the taxonomy of Microgastrinae wasps (Hymenoptera, Braconidae): impacts after eight years and nearly 20,000 sequences. **Molecular Ecology Resources**, 2013, 13: 168-176. DOI: [10.1111/1755-0998.12038](https://doi.org/10.1111/1755-0998.12038)

Decaëns T, Porco D, **Rougerie R**, Brown GG, James SW: Potential of DNA barcoding for earthworm research in taxonomy and ecology research. **Applied soil Ecology** 2013, 65: 35-42. doi:[10.1016/j.apsoil.2013.01.001](https://doi.org/10.1016/j.apsoil.2013.01.001)

2012

Janzen DH, Hallwachs W, Harvey DJ, Darrow K, **Rougerie R**, *et al.*: What happens to the traditional taxonomy when a well-known tropical saturniid moth fauna is DNA barcoded? **Invertebrate Systematics** 2012, 26: 478-505. doi:[10.1071/IS12038](https://doi.org/10.1071/IS12038)

**Rougerie R**, Haxaire J, Kitching IJK, Hebert PDN: DNA barcodes and morphology reveal a hybrid hawkmoth in Tahiti (Lepidoptera: Sphingidae). **Invertebrate Systematics** 2012, 26: 445-450. doi:[10.1071/IS12029](https://doi.org/10.1071/IS12029)

**Rougerie R**, Naumann S, Nässig WA: Morphology and molecules reveal unexpected cryptic diversity in the enigmatic genus *Sinobirma* Bryk, 1944 (Lepidoptera: Saturniidae). **PLOSone** 2012, 7(9): e43920. [open-access].

Smith MA, Bertrand C, Crosby K, Eveleigh ES, Fernandez-Triana J, Fisher BL, Gibbs J, Hajibabaei M, Hallwachs W, Hind K, Hrcek J, Huang DW, Janda M, Janzen DH, Li Y, Miller S, Packer L, Quicke D, Ratnasingham S, Rodriguez J, **Rougerie R**, Shaw MR, Sheffield C, Stahlhut J, Steinke D, Whitfield JB, Wood M, Zhou X: *Wolbachia* and DNA barcoding insects: patterns, potential, and problems. **PLoSOne** 2012, 7: e36514. [open-access]

Hernandez-Lopez A, **Rougerie R**, Tomov R, Kenis M, Augustin S, Kullaj E, Hansson C, Grabenweger G, Roques A, Lopez-Vaamonde C: Host tracking or cryptic adaptation? Phylogeography of *Pediobius saulius* (Hymenoptera, Eulophidae), a parasitoid of the highly invasive horse-chestnut leafminer. **Evolutionary Applications** 2012, 5: 256-269. [open-access]

2011

[Highly accessed] Wilson JJ, **Rougerie R**, Schonfeld J, Janzen DH, Hallwachs W, Hajibabaei M, Kitching IJ, Haxaire J, Hebert PDN: When species matches are unavailable are DNA barcodes correctly assigned to higher taxa? An assessment using sphingid moths. **BMC Ecology** 2011, 11:18. [open-access]

Lees DC, Lack HW, **Rougerie R**, Hernandez-Lopez A, Raus T, Avtzis ND, Augustin S, Lopez-Vaamonde C: Tracking origins of invasive herbivores using herbaria and archival DNA: the case of the horse-chestnut leafminer. **Frontiers in Ecology and the Environment** 2011, 9: 322-328. [BBC News, Meiosis, Newsworld, NewsPress]

Dupont L, Lazrek F, Porco D, King RA, **Rougerie R**, Symondson WO, Livet A, Richard B, Decaëns T, Butt KR, Mathieu J: New insight into the genetic structure of the *Allolobophora chlorotica* aggregate in Europe using microsatellite and mitochondrial data. **Pedobiologia** 2011, 54:217-224.

2010

Nässig WA, Naumann S, **Rougerie R**: Evidence for the existence of three species in the genus *Archaeoattacus* (Lepidoptera: Saturniidae). **The Journal of Research on the Lepidoptera** 2010, 43: 37-47.

**Rougerie R**, Smith MA, Triana JF, Lopez-Vaamonde C, Ratnasingham S, Hebert PDN: Molecular Analysis of

Parasitoid Linkages (MAPL): gut contents of adult parasitoid wasps reveal larval host. **Molecular Ecology** 2010, 20: 179-186.

Lees DC, **Rougerie R**, Zeller-Lukashort C, Kristensen NP: DNA mini-barcodes in taxonomic assignment: a morphologically unique new homoneurous moth clade from the Indian Himalayas described in *Micropterix* (Lepidoptera, Micropterigidae). **Zoologica Scripta** 2010, 39: 642-661.

**Rougerie R**, Laguerre M: A striking case of sexual dimorphism revealed by the analysis of DNA barcodes in the arctiid moth *Senecauxia coraliae* de Toulgoët, 1990 from French Guiana (Lepidoptera: Arctiidae). **Annales de la Société Entomologique de France** 2010, 46: 477-480.

James SW, Porco D, Decaëns T, Richard B, **Rougerie R**, Erséus C: DNA Barcoding reveals cryptic diversity in *Lumbricus terrestris* L., 1758 (Clitellata): resurrection of *L. herculeus* (Savigny, 1826). **PLoSOne** 2010, 5: e15629.

Porco D, **Rougerie R**, Deharveng L, Hebert PDN: Coupling non-destructive DNA extraction and voucher retrieval for small soft-bodied Arthropods in a high-throughput context: the example of Collembola. **Molecular Ecology Resources** 2010, 10: 942-945.

Richard B, Decaëns T, **Rougerie R**, James SW, Porco D, Hebert PDN: Re-integrating earthworm juveniles in soil diversity studies: species identification through DNA barcoding. **Molecular Ecology Resources** 2010, 10: 606-614.

#### 2009

Hausmann A, Sommerer M, **Rougerie R**, Hebert PDN: *Hypobapta tachyhalotaria* n. sp. from Tasmania – an example of a new species revealed by DNA barcoding (Lepidoptera, Geometridae). **Spixiana** 2009, 32: 161-166.

De Prins J, Mozuraitis E, Lopez-Vaamonde C, **Rougerie R**: Sex attractant, distribution and DNA barcodes for the Afrotropical leaf-mining moth *Phyllonorycter melanosparta* (Lepidoptera: Gracillariidae). **Zootaxa** 2009, 2281: 53-67.

Valade R, Kenis M, Hernandez-Lopez A, Mari Mena N, Magnoux E, **Rougerie R**, Augustin S, Lakatos F, Roques A, Carlos Lopez-Vaamonde C: Mitochondrial and microsatellite DNA markers reveal a Balkanic origin for the highly invasive Horse-Chestnut leaf miner *Cameraria ohridella* (Lepidoptera, Gracillariidae). **Molecular Ecology** 2009, 18: 3458-3470.

Janzen DH, Hallwachs W, Blandin P, Burns JM, Cadiou J-M, Chacon I, Dapkey T, Deans A, Epstein M, Espinoza B, **et al**: Integration of DNA barcoding into an ongoing inventory of complex tropical biodiversity. **Molecular Ecology Resources** 2009, 9 (S1):1-26.

Hausmann A, Hebert PDN, Mitchell A, **Rougerie R**, Sommerer M, Edwards T, Young CJ: Revision of the Australian *Oenochroma vinaria* Guenée, 1858 species-complex (Lepidoptera: Geometridae, Oenochrominae): DNA barcoding reveals cryptic diversity and assesses status of type specimen without dissection. **Zootaxa** 2009, 2239: 1-21.

Basquin P, **Rougerie R**: Contribution to the knowledge of the genus *Maltagorea* Bouyer, 1993: description of a new species revealed by a combination of morphological characters and DNA barcoding (Lepidoptera, Saturniinae). **Bulletin de la Société entomologique de France** 2009, 114:257-263.

Vincent B, Laguerre M, **Rougerie R**: Contribution to the knowledge of the genus *Opharus* Walker with description of two new species. Contribution of DNA barcoding (Lepidoptera, Arctiidae). **Bulletin de la Société entomologique de France** 2009, 114:69-78.

**Rougerie R**, Decaëns T, Deharveng L, James S, Porco D, Chang CH, Potapov M, Suhardjono YR, Hebert PDN: DNA barcodes for soil animal taxonomy. **Pesquisa Agropecuária Brasileira** (Brazilian Journal of Agricultural Research) 2009, 44: 789-801.

Chang C-H, **Rougerie R**, Chen J-H: Identifying earthworms through DNA barcodes: Pitfalls and promise. **Pedobiologia** 2009, 52:171-180.

#### 2008

Decaëns T, **Rougerie R**: Descriptions of two new species of Hemileucinae (Lepidoptera: Saturniidae) from the region of Muzo in Colombia - evidence from morphology and DNA barcodes. **Zootaxa** 2008, 1944:34-52.

Vaglia T, Haxaire J, Kitching IJ, Meusnier I, **Rougerie R**: Morphology and DNA barcoding reveal three cryptic species within the *Xylophanes neoptolemus* and *loelia* species-groups (Lepidoptera: Sphingidae). **Zootaxa** 2008, 1923:18-36.

Regier JC, Grant MC, Mitter C, Cook CP, Peigler RS, **Rougerie R**: Phylogenetic relationships of wild silkmoths (Lepidoptera: Saturniidae) inferred from four protein-coding nuclear genes. **Systematic Entomology** 2008, 33:219-228.

**Rougerie R**, Estradel Y: Morphology of the preimaginal stages of the African emperor moth *Bunaeopsis licharbas* (Maassen and Weyding): Phylogenetically informative characters within the Saturniinae (Lepidoptera: Saturniidae). **Journal of Morphology** 2008, 269:207-232.

2006

**Rougerie R**, Herbin D: *Hispaniadirphia lemaireiana* n. sp., a new saturniid from the Greater Antilles (Lepidoptera: Saturniidae, Hemileucinae). **Zootaxa** 2006, 1204:53-59.

**Rougerie R**, Deharveng L, Porco D, Bedos A: Geographical barriers and ecological gradients: Geographical distribution of the subspecies and morphotypes of *Deutonura deficiens* Deharveng, 1979 (Collembola: Neanuridae). **Pedobiologia** 2006, 50:83-93.

2005

**Rougerie R**, Bouyer J: Contribution à la connaissance des Saturniidae du Burkina Faso. 1. Tribu des Micragonini (Lepidoptera, Saturniidae). **Bulletin de la Société Entomologique de France** 2005, 110:337-350.

2003

**Rougerie R**: Re-capture of *Sinobirma malaisei* in China: description of the female genitalia and comments on the systematic position of the genus in the tribe Urotini (Saturniidae). **Nota Lepidopterologica** 2003, 25:227-233.

**Rougerie R**: Description d'une nouvelle espèce du genre malgache *Maltagorea* Bouyer, 1993 (Lepidoptera, Saturniinae). **Bulletin de la Société Entomologique de France** 2003, 108:177-180.

## OTHER PUBLICATIONS

Mielke C, dos Santos F, Meister F, Brechlin R, **Rougerie R**: Four new *Periga* Walker, 1855 (Lepidoptera: Saturniidae, Hemileucinae, Hemileucini) from Southeastern and Southern Brazil. **European Entomologist** 2013, 4: 121-140.

Mielke CGC, **Rougerie R**, Decaëns T: A new *Scolesa* Michener, 1949 from southeastern Brazil (Lepidoptera: Saturniidae, Ceratocampinae). **Nachrichten des Entomologischen Vereins Apollo, N.F.** 2012, 33: 81-86.

**Rougerie R**: Les codes-barres ADN des Lépidoptères. Partie 2: Protocoles expérimentaux. **Oreina** 2012, 18: 14-16.

**Rougerie R**: Les codes-barres ADN des Lépidoptères. Partie 1: un outil pour l'identification des espèces. **Oreina** 2011, 15: 7-9.

Vingerhoedt E, Zakharov E, **Rougerie R**, Bouyer T: Revision of the taxonomic status of members of the *Charaxes acraeoides* group (Lepidoptera, Nymphalidae) ; integrative approach combining morphology, biogeography and DNA barcoding. **Entomologia Africana** 2010, 15: 36-48.

Paukstadt, U., Paukstadt, L.H., **Rougerie R**: Contribution to the knowledge of *Actias groenendaeli* ROEPKE, 1954 from the Lesser Sunda Islands, Indonesia with descriptions of two new subspecies (Lepidoptera: Saturniidae). **Beiträge zur Kenntnis der wilden Seidenspinner** 2010, 8:125-153.

Vingerhoedt E, Basquin P, Bouyer T, Zakharov E, **Rougerie R**: Revision of the taxonomic status of members of the *Charaxes zoolina* group: morphological and genetic approach. **Entomologia Africana** 2009, 14: 12-21.

Bouyer T, Zakharov E, **Rougerie R**, Vingerhoedt E: *Charaxes* of the «*eupale* group»: description of a new genus, revision and genetic approach (Lepidoptera, Nymphalidae, Charaxinae). **Entomologia Africana** 2008, H.-S. 3:1-32.

Decaëns T, **Rougerie R**, Bonilla D, Ramirez LD: Contribution to the knowledge of the Saturniidae fauna of Muzo (Boyaca, Colombia), with the redescription of *Copaxa apolinairei* Lemaire, 1978 (Lepidoptera, Saturniidae). **Nachrichten des Entomologischen Vereins Apollo** 2007, 28:69-75.

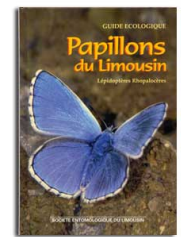
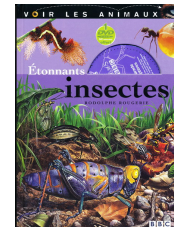
Haxaire J, **Rougerie R**, Estradel Y: Contribution à la connaissance des Sphingidae du Gabon (Lepidoptera). **Lambillionea** 2004, 104:92-94.

**Rougerie R**, Herbin D: A new *Cerodirphia* from Peru (Lepidoptera: Saturniidae, Hemileucinae). **Nachrichten des Entomologischen Vereins Apollo** 2004, 25:145-147.

**Rougerie R**: Redescription de *Maltagorea cincta* (Mabille, 1880) (Lepidoptera: Saturniidae: Saturniinae). **Lambillionea** 2003, 103:269-272.

## BOOKS

Rougerie R: *Etonnants insectes*. Fleurus Ed., Paris, France; 2006, 80pp.+1 DVD.  
<http://www.fleurusvoir.com/voir.swf>.



Delmas S, Deschamps P, Sibert JM, Chabrol L, Rougerie R: *Guide écologique des Papillons du Limousin, Lépidoptères Rhopalocères* [Ecological guide of the butterflies of Limousin], SEL Ed., Limoges, France; 2000, 416pp.

## COMMUNICATIONS

[n]=invited	1st author	Co-author
Talks	25 [5]	37 [2]
Posters	10	19
Total	91 [7]	

### Selected 1<sup>st</sup> author communications at international conferences:

- Rougerie R, Hajibabaei M, Bouget C, Lopez-Vaamonde C: Monitoring forest biodiversity using DNA metabarcoding: high-throughput species identification of saproxylic beetles. **1<sup>st</sup> Emerging Topics Meeting: DNA Watch, Frasne, France, 4-5.XII.2013.**
- Rougerie R, Kitching IJ, Haxaire J, Miller SE, Hausmann A, Hebert PDN: Australian Spingidae – DNA barcodes challenge current species boundaries and distributions. **5<sup>th</sup> International Barcode of Life Conference, Kunming, Yunnan, China, 27-31.X.2013.**
- Rougerie R, Decaëns T, Shokrala S, Dondeyne J, Martins M, Feijo A, Cuellar Criollo YA, Bonilla D, Lavelle P, Hajibabaei M: High throughput species identification of moths using NGS along a gradient of deforestation in Amazonia. **BioSyst.EU 2013 Global Systematics, Vienna, Austria, 18-22.II.2013.**
- [Invited keynote] Rougerie R: Invertebrate diversity Made Easy? Rapid biodiversity assessment through DNA barcoding. **XIII<sup>th</sup> Annual Meeting of the German Society for Biological Systematics, Bonn, Germany, 23-25.II.2012.**
- Rougerie R, Decaëns T, Shokrala S, Dondeyne J, Martins M, Feijo A, Cuellar Criollo YA, Bonilla D, Lavelle P, Hajibabaei M: Embracing modern identification techniques in ecological and conservation studies: A test study comparing morphology, standard DNA barcoding and next generation sequencing in Lepidoptera of the Colombian and Brazilian Amazonia. **4<sup>th</sup> International Barcode of Life Conference, Adelaide, Australia, 28.XI-3.XII.2011.**
- [Keynote talk] Rougerie R, Hausmann A, Hebert PDN: ½ million DNA barcodes for Lepidoptera: Where are we now and where are we going? **XVII<sup>th</sup> European Congress of Lepidopterology, Luxembourg, 9-14.V.2011.**
- Rougerie R, Hausmann A, Van Nieukerken E, Mutanen M: Launch of the European Lepidoptera campaign. **XVII<sup>th</sup> European Congress of Lepidopterology, Luxembourg, 9-14.V.2011.**
- [Invited keynote] Rougerie R: DNA barcoding Lepidoptera: current progress, applications and perspectives. **Annual Meeting of the Lepidopterological Society of Finland, Helsinki, 16-17.IV.2011.**
- Rougerie R, Smith MA, Fernandez-Triana J, Lopez-Vaamonde C, Ratnasingham S, Hebert PDN: A new approach towards documenting host-parasitoid relationships through DNA barcoding: Post-metamorphosis persistence of host-DNA in the gut-contents of parasitoid wasps. **2<sup>nd</sup> Conference of the European Consortium for the Barcode of Life (ECBOL2), Braga, Portugal, 2-4.IV.2010.**
- Rougerie R, Hausmann A, Hebert PDN: The iBOL Lepidoptera campaign: towards barcode records for 80K species by 2015. **2<sup>nd</sup> Conference of the European Consortium for the Barcode of Life (ECBOL2), Braga, Portugal, 2-4.IV.2010.**
- Rougerie R, Decaëns T, Deharveng L, Porco D, James SW, Chang C-H, Richard B, Potapov M, Suhardjono Y, Hebert PDN: DNA barcodes for soil animal taxonomy. **2<sup>nd</sup> Conference of the European Consortium for the Barcode of Life (ECBOL2), Braga, Portugal, 2-4.IV.2010.**
- Rougerie R, Hausmann A, Hebert PDN: DNA barcoding Lepidoptera: what beyond taxonomy? **Third International DNA barcoding Conference, Mexico, 9-13.XI.2009**
- Rougerie R, Meusnier I, Hausmann A, Minet J, Kitching IJ, Hajibabaei M, Nazari V, Landry JF, Hebert PDN: DNA barcoding of archival specimens. **Third International DNA barcoding Conference, Mexico, 9-13.XI.2009**

- Rougerie R:** Pre-conference Short Course on DNA Barcoding Protocols – Museum Harvesting. **Third International DNA barcoding Conference, Mexico, Botanical Garden Auditorium, Institute of Biology, UNAM, 8.XI.2009**
- Rougerie R:** Pre-conference BOLD Workshop - Project management and data sharing. **Third International DNA barcoding Conference, Mexico, Botanical Garden Auditorium, Institute of Biology, UNAM, 8.XI.2009**
- [Invited keynote] Rougerie R, Haxaire J, Kitching IJ, Vaglia T, Basquin P, Brechlin R, Darge P, Eitschberger U, Melichar T, Pierre J, Hebert PDN:** Global DNA barcoding campaigns in Lepidoptera: lessons from sphingid moths. **Forum Herbulot, Munich (Germany), 24-28.VI.2008**
- [Invited speaker] Rougerie R, Haxaire J, Kitching IJ, Vaglia T, Hebert PDN:** Sphingids and Barcodes - The New Taxonomy. **2nd International Barcoding Conference, Taipei (Taiwan), 17-21.IX.2007**
- Rougerie R, Hebert PDN:** The 'All-Leps' DNA Barcoding Campaign: current progress and perspectives. **XVth European Congress of Lepidopterology, Erkner (Germany), 8-12.IX.2007**
- Rougerie R:** Integration between amateurs and professionals: How can we persuade amateurs to integrate effort? **EDIT Workshop, XVth European Congress of Lepidopterology, Erkner (Allemagne), 8-12.IX.2007**
- Rougerie R:** Integration with other disciplines: Should we engage with the DNA barcoding initiative? **EDIT Workshop, XVth European Congress of Lepidopterology, Erkner (Allemagne), 8-12.IX.2007**
- Rougerie R:** Toward a phylogenetic hypothesis for the Saturniinae (Lepidoptera, Bombycoidea, Saturniidae): morphological and molecular approach. **XIVth European Congress of Lepidopterology in Rome, 12-17.IX.2005**