

Pr BOISSIER Jérôme

07/29/1972

Male, Married, 2 Children

Professor, Université de Perpignan Via Domitia (UPVD)



<i>Career</i>	<p>1999 Master degree in Parasitology (Major of the promotion) 2002 PhD in Parasitology with first class honours 2010 Habilitation to supervise research Participation in the recruitment of 16 researchers (MCF, CR, PR or DR). Team leader (6 researchers) on a contract (2011-2014) Vice President, Research Transfer and Entrepreneurship (2021-..)</p>
<i>Funding</i>	<p>42 contracts (33 as leader), including 4 ANR (2 leaders and 2 partners), 1 Wellcome Trust. €2,047,489 in own resources between 2008 and 2031</p>
<i>Publication</i>	<p>108 indexed publications 4 book chapters 9 articles in French 11 expert reports</p>
<i>Congress</i>	22 invited conferences, 12 of them international
<i>Awards and distinctions</i>	<p>Scientific excellence bonus since 2011 Winner of the "chercheur d'avenir" competition, LR region</p>
<i>Supervision</i>	<p>13 Masters 1, 12 Masters 2, 14 theses, 3 engineers, 6 ATER/Post-Docs 6 former students are researchers</p>
<i>Expertise</i>	<p>Member of the Scientific Council of the Parc Naturel Régional Pyrénées Catalanes Member of the Departmental Commission for Hunting and Wildlife Member of the IRD "Biological and Medical Sciences" Sectoral Scientific Commission Associate editor of the journal "Life and Environment" Member of the Board of Satt AxLR Expert ANSES Expert OMS</p>
<i>Valorisation/Transfert</i>	<p>14 press articles (media) 5 conferences/debates for the general public</p>
<i>Miscellaneous</i>	<p>For 13 years, in charge of the rodent animal facility at the lab 26 field missions Organiser of workshops and international conferences</p>
<i>Teaching</i>	<p>Full teaching load (192h/year) National and international 'off-campus' courses 13 years of teaching responsibilities (Master's supervisor or head of department)</p>
<i>University mandates and responsibilities</i>	<p>Head of the biology Department, UFR Council, UPVD Board of Governors, COMUE LR Board of Governors, Vice-President for Research Promotion and Entrepreneurship, UPVD Foundation Management Board, SAIC Director</p>

Funding sources

Biological model: Galliform

		Title		
2008	Gouvernement d'Andorre ¹	Diversité génétique des perdrix grises en Andorre	Leader	1 850 €
2008	Parc Naturel Régional Pyrénées Catalanes ¹	Diversité génétique des lagopèdes alpins (<i>Lagopus mutus pyrenaicus</i>) dans les Pyrénées Orientales	Leader	1 500 €
2008-2009	Bureau des Ressources Génétiques (INRA) ¹	Evolution des contraintes environnementales et conservation de la diversité génétique des populations de lagopède alpin (<i>Lagopus mutus pyrenaicus</i>) et de Perdrix grise des Pyrénées (<i>Perdix perdix hispaniensis</i>).	Leader	35 000 €
2009-2010	Office National de la Chasse et de la Faune Sauvage ¹	Structuration génétique des populations de perdrix grises des Pyrénées	Leader	39 000 €
2014-2016	Office National de la Chasse et de la Faune Sauvage ¹	Pyrénées Structuration génétique des populations de perdrix grises des Pyrénées	Leader	12 000 €

Biological model: Schistosome

Private sector funders

		Intitulé		
2005-2008	Société Palumed ²	Activité des Trioxaquantel sur le Schistosome	Leader	31 000 €
2012	Sanofi ²	Prestation confidentielle	Leader	3 022 €
2015	LD ³	Production d'antigènes de <i>S. mansoni</i>	Leader	1 807 €
2016	LD ³	Production d'antigènes de <i>S. mansoni</i>	Leader	11 761 €
2016	SR2B ²	Production d'antigènes de <i>S. mansoni</i>	Leader	3 940 €

Public-sector funders

2007-2008	Programme CNRS Maladie Infectieuse ¹	Mise au point d'une méthode d'évaluation <i>in vitro</i> sur les stades juvéniles de schistosomes et conception de nouvelles molécules anti-schistosomiase	Leader	30 000 €
2009-2010	ANR Schisto-Med ¹	Trioxaquines : nouvelles molécules anti-schistosomiase	Leader	100 000 €
2009-2011	ANR Monogamix ¹	Relative influence of absolute versus relative criteria for mate choice and pair-bonding in monogamous species	Partner	105 000 €
2011-2013	Région Languedoc Roussillon ¹	« Schistosex », les gènes qui déterminent le sexe du schistosome : un parasite de l'homme	Leader	60 000 €
2014	WHO ¹	Investigation of <i>Schistosoma haematobium</i> infections acquired in Southern Corsica	Leader	10 000 €
2014-2016	ANSES ²	Enquête malacologique sur la présence	Leader	12 000 €

		du vecteur de la Bilharziose urinaire (<i>Bulinus</i> sp) en France		
2014-2016	ANSES ²	Bilharziose animale en Corse du sud	Leader	52 000 €
2014	BQR UPVD ¹	Bilharziose urinaire en Corse : histoire de son apparition et capacité invasive du parasite	Leader	15 000 €
2015	BQR UPVD ¹	L'ADN environnemental, un nouvel outil diagnostique pour la Bilharziose urinaire	Leader	2 000 €
2015-2017	ANSES ²	Capacité de <i>Bulinus truncatus</i> infecté par <i>Schistosoma</i> sp. à résister au froid	Leader	4 500 €
2016	ARS ³	Suivi environnemental de la Bilharziose en Corse	Leader	12 500 €
2016-2017	Campus France ¹	Collaboration Franco-Chinoise : effet des trioxaquines sur <i>Schistosoma japonicum</i>	Leader	3 700 €
2017	BQR UPVD ¹	Campagne de piégeage en Corse du Sud	Partner	2 000 €
2017	ARS ³	Suivi environnemental de la Bilharziose en Corse	Leader	15 000 €
2017-2018	ANSES ²	Rôle de l'hôte rongeur dans la persistance de la Bilharziose urogénitale en Corse du Sud	Leader	32 000 €
2018	ARS ³	Suivi environnemental de la Bilharziose en Corse	Leader	15 000 €
2018-2022	ANR Radical ¹	Stratégie thérapeutique par voie radicalaire pour lutter contre les maladies parasitaires	Partner	110 000 €
2019-2023	ANR HySWARM ¹	Hybrid swarm, the role of hybridization in the invasive capacity, epidemiology and diagnosis of schistosomiasis	Leader	280 000 €
2019-2022	HERA ¹	Integrating Environment and Health Research: a Vision for the EU	Partner	51 813 €
2019-2022	ANSES ¹	Molrisk <i>Un nouvel outil pour inférer le risque de propagation des maladies infectieuses transmises par les mollusques d'eau douce en Europe</i>	Leader	62 000 €
2019	ARS ³	Suivi environnemental de la Bilharziose en Corse	Leader	16 000 €
2020	ARS ³	Suivi environnemental de la Bilharziose en Corse	Leader	20 000 €
2022-23	CNRST Mali ¹	Hybridation entre <i>Schistosoma haematobium</i> (schistosome humain) et <i>S. bovis</i> (schistosome du bétail) au Mali: diagnostic, génétique de population et importance en santé publique	Leader	52 780 €
2021	ARS ³	Suivi environnemental de la Bilharziose en Corse	Leader	20 000 €
2022	ARS ³	Suivi environnemental de la Bilharziose en Corse	Leader	26 373 €
2022-2024	Readynov ² (Region Occitanie)	SchistoDiag	Leader	65 570 €
2024-2025	Ambassade de France RDC ¹	La Schistosomiase Génitale Féminine à l'est de la RDC - Aspects épidémiologiques, histopathologiques	Partner	5 000 €

2023	ARS ³	et moléculaires Suivi environnemental de la Bilharziose en Corse	Leader	26 373 €
2023-2031	Wellcome Trust Foundation ¹	Species hybridisation and interactions in schistosomiasis in Cameroon (SHIS- CAM): Targeting biological research to accelerate disease elimination in Central Africa ²	Partner	700 000 €

1. Research Contract - 2. Research and Development Contract - 3. Service Provision Contract

List of indexed publications

Galliforms

- G1. Bech N, **Boissier J**, Drovetski S, Novoa C (2009) Population genetic structure of rock ptarmigan in the "Sky island" of french Pyrenees: implications for conservation. *Animal Conservation* 12, 138-146.
- G2. Bech N, Novoa C, Allienne J-F, **Boissier J** (2010) Transferability of microsatellite markers among economically and ecologically important galliform birds. *Genetics and Molecular Research* 9, 1121-1129.
- G3. Bech N, Beltran S, **Boissier J**, Allienne J-F, Resseguier J, Novoa C (2012) Bird mortality related to collisions with ski-lift cables: do we estimate just the tip of the iceberg? *Animal Biodiversity and Conservation* 35, 95-98.
- G4. Bech N, Barbu CM, Quemere E, Novoa C, Allienne JF, **Boissier J** (2013) Pyrenean ptarmigans decline under climatic and human influences through the Holocene. *Heredity* 111, 402-409.
- G5. Bech N, Manel S, Bro E, Novoa C, Bijaoui George B, Beltran S, **Boissier J** (2014) Genetic connectivity of the grey partridge in central north France in a highly man dominated landscape. *Conservation Genetics* 15, 1001-1011.
- G6. Novoa C, Bech N, Resseguier J, Martinez-Vidal R, Garcia Ferré D, Sola de la Torre J, **Boissier J** (2014) A translocation experiment for improving the genetic diversity of an isolated population of Pyrenean rock ptarmigan (*Lagopus muta pyrenaica*). *Grouse News*, 47, 11-18.
- G7. Bech N., Novoa C., Allienne J.C., **Boissier J.**, Bro E. (2019). Quantifying genetic distance between wild and captive strains of the grey partridge *Perdrix perdrix* in France: conservation implications. *Biodiversity and Conservation*, 29 : 609-624.

Schistosome

Reproductive biology and strategy

- SR1. **Boissier J**, Morand S, Moné H (1999) A review of performance and pathogenicity of male and female *Schistosoma mansoni* during the life-cycle. *Parasitology* 119, 447-454.
- SR2. **Boissier J**, Moné H (2000) Experimental observations on the sex ratio of adult *Schistosoma mansoni*, with comments on the natural male bias. *Parasitology* 121, 379-383.
- SR3. **Boissier J**, Durand P, Moné H (2001) PCR effectiveness for sexing *Schistosoma mansoni* cercariae : application for sexing clonal cercarial populations. *Molecular and Biochemical Parasitology* 112, 139-141.
- SR4. **Boissier J**, Moné H (2001) Male-female larval interactions in *Schistosoma mansoni* infected *Biomphalaria glabrata*. *International Journal for Parasitology* 31, 352-358.

- SR5. **Boissier** J, Moné H (2001) Relationship between worm burden and male proportion in *Schistosoma mansoni* experimentally infected rodents and primates. A meta-analytical approach. *International Journal for Parasitology* 31, 1597-1599.
- SR6. **Boissier** J, Chlichlia K, Digon Y, Ruppel A, Moné H (2003) Preliminary study on sex-related inflammatory reactions in mice infected with *Schistosoma mansoni*. *Parasitology Research* 91, 144-150.
- SR7. **Boissier** J, Rivera ER, Moné H (2003) Altered behavior of the snail *Biomphalaria glabrata* as a result of infection with *Schistosoma mansoni*. *Journal of Parasitology* 89, 429-433.
- SR8. **Boissier** J, Jarkovsky J, Morand S, Moné H (2004) A model to explain the origin of a parasite sex-specific population structure. *Theoretical Population Biology* 66, 269-276.
- SR9. Moné H, **Boissier** J (2004) Sexual biology of Schistosomes. *Advances in Parasitology* 57, 89-189.
- SR10. Dumont M, Moné H, Mouahid G, Idris MA, Shaban M, **Boissier** J (2007) Influence of pattern of exposure, parasite genetic diversity and sex on the degree of protection against reinfection with *Schistosoma mansoni*. *Parasitology Research* 101, 247-252.
- SR11. Beltran S, Galinier R, Allienne J-F, **Boissier** J (2008) Cheap, rapid and efficient DNA extraction method to perform multilocus microsatellite genotyping on all *Schistosoma mansoni* stages. *Memorias do Instituto Oswaldo Cruz* 103, 501-503.
- SR12. Beltran S, **Boissier** J (2008) Schistosome monogamy: who, how, why? *Trends in Parasitology* 24, 386-391.
- SR13. Beltran S, Cézilly F, **Boissier** J (2008) Genetic dissimilarity between mates, but not male heterozygosity, influences divorce in schistosomes. *PLOS One* 3, e3328.
- SR14. Beltran S, Cézilly F, **Boissier** J (2009) Adult sex ratio affects divorce rate in the monogamous endoparasite *Schistosoma mansoni*. *Behavioural Ecology and Sociobiology* 63, 1363-1368.
- SR15. Beltran S, **Boissier** J (2009) Are schistosomes socially and genetically monogamous? *Parasitology Research* 104, 481-483.
- SR16. Grunau C, **Boissier** J, Cosseau C, Beltran S, Duval D, Portela J, Gourbal B, Théron A, Mitta G (2009) *Schistosoma mansoni*: how to make a female. *American Journal of Tropical Medicine and Hygiene* 81, 79-79.
- SR17. Portela J, Grunau C, Cosseau C, Beltran S, Dantec C, Parrinello H, **Boissier** J (2010) Whole-genome in-silico subtractive hybridization (WISH) -using massive sequencing for the identification of unique and repetitive sex-specific sequences: the example of *Schistosoma mansoni*. *BMC Genomics* 11, article 387.
- SR18. Beltran S, **Boissier** J (2010) Male-biased sex ratio: why and what consequences for the genus *Schistosoma* ? *Trends in Parasitology* 26, 63-69.
- SR19. Beltran S, Desdevises Y, Portela J, **Boissier** J (2010) Mating system drives negative associations between morphological features in Schistosomatidae. *BMC Evolutionary Biology* 10, article 245.
- SR20. Beltran S, Gourbal B, **Boissier** J, Duval D, Kieffer-Jaquinod S, Pierce RJ, Grunau C, Théron A, Mitta G (2011) Vertebrate host protective immunity drives genetic diversity and antigenic polymorphism in *Schistosoma mansoni*. *Journal of Evolutionary Biology* 24, 554-572.
- SR21. Lepasant MJ, Cosseau C, **Boissier** J, Freitag M, Portela J, Climent D, Perrin C, Zerlotini A, Grunau C (2012) Chromatin structure changes around satellite repeats on the *Schistosoma mansoni* female sex chromosome suggest a possible mechanism for sex chromosome emergence. *Genome Biology* 13, R14.
- SR22. Lepasant MJ, **Boissier** J, Climent D, Cosseau C, Grunau C (2013) Female biased sex-ratio in *Schistosoma mansoni* after exposure to an allopatric intermediate host strain of *Biomphalaria glabrata*. *Experimental Parasitology* 135, 350-356.

- SR23. Picard MA, Cosseau C, Mouahid G, Duval D, Grunau C, Toulza E, Allienne JF, **Boissier J** (2015) The roles of Dmrt (Double sex/Male-abnormal-3 Related Transcription factor) genes in sex determination and differentiation mechanisms: Ubiquity and diversity across the animal kingdom. *Comptes Rendues de Biologie* 338, 451-462.
- SR24. Picard M.A.L., **Boissier J.**, Roquis D., Grunau C., Allienne J.F., Duval D., Toulza E., Arancibia N., Caffrey C.R., Long T., Nidelet S., Rohmer M., Cosseau C. (2016). Sex-biased transcriptome of *Schistosoma mansoni*: host-parasite interaction, genetic determinants and epigenetic regulators are associated with sexual differentiation. *PLoS Neglected Tropical Diseases*, 10 : e0004930.
- SR25. Kincaid-Smith J., **Boissier J.**, Allienne J.F., Oleaga A., Djuikwo-Teukeng F., Toulza E. (2016). A genome wide comparison to identify markers to differentiate the sex of larval stages of *Schistosoma haematobium*, *S. bovis* and their respective hybrids. *PLoS Neglected Tropical Diseases*, 10 : e0005138.
- SR26. Kincaid-Smith J., Picard M.A.L., Cosseau C., **Boissier J.**, Severac D., Grunau C., Toulza E. (2018). Parent-of-Origin Dependent Gene Expression in Male and Female Schistosome Parasites. *Genome Biology and Evolution*, 10 : 840-856.
- SR27. Picard M.A.L., Vicoso B., Roquis D., Bulla I., De Carvalho Augusto R., Arancibia N., Grunau C., **Boissier J.**, Cosseau C. (2019). Dosage compensation throughout the *Schistosoma mansoni* lifecycle: specific chromatin landscape of the Z chromosome. *Genome Biology and Evolution*, 11 : 1909-1922.
- SR28. Le Govic, Y., **Boissier, J.**, Papon, N., 2022. Schistosome dipeptide of love. *Trends Parasitol* 38, 493-495.
- SR29. Schacht, R., Beissinger, S.R., Wedekind, C., Jennions, M.D., Geffroy, B., Liker, A., Kappeler, P.M., Weissing, F.J., Kramer, K.L., Hesketh, T., **Boissier, J.**, Ugglá, C., Hollingshaus, M., Szekely, T., 2022. Adult sex ratios: causes of variation and implications for animal and human societies. *Commun Biol* 5, 1273.

Eco-Health

- SE1. Moné H, Mouahid G, Shaban MA, Al Jabri AA, **Boissier J**, Ruppel A, Idris MA (2003) Ecological and molecular studies on emerging schistosomiasis mansoni in Dhofar Governorate, Sultanate of Oman. *Tropical Medicine and International Health* 8, 269-276.
- SE2. Bech N, Beltran S, Portela J, Rognon A, Allienne J-F, **Boissier J**, Théron A (2010) Follow-up of the genetic diversity and snail infectivity of a *Schistosoma mansoni* strain from field to laboratory. *Infection, Genetics and Evolution* 10, 1039-1045.
- SE3. Berry A, Moné H, Iriart X, Mouahid G, Abbo O, **Boissier J**, Fillaux J, Cassaing S, Debuissou C, Mitta G, Berry A. (2014) *Schistosomiasis haematobium*, Corsica, France. *Emerging Infectious Diseases*, 20, 1595-1597.
- SE4. Aemero M, **Boissier J**, Climent D, Moné H, Mouahid G, Berhe N, Erko B: Genetic diversity, multiplicity of infection and population structure of *Schistosoma mansoni* isolates from human hosts in Ethiopia. *BMC Genetics* 2015, 16:137.
- SE5. **Boissier J**, Mone H, Mitta G, Bargues MD, Molyneux D, Mas-Coma S (2015) Schistosomiasis reaches Europe. *Lancet Infectious Disease* 15, 757-758.
- SE6. Mone H, Holtfreter MC, Allienne JF, Mintsá-Nguema R, Ibikounle M, **Boissier J**, Berry A, Mitta G, Richter J, Mouahid G (2015) Introgressive hybridizations of *Schistosoma haematobium* by *Schistosoma bovis* at the origin of the first case report of schistosomiasis in Corsica (France, Europe). *Parasitology Research* 114, 4127-4133.

- SE7. Berry A, Fillaux F, Martin-blonde G, **Boissier** J, Iriart X, Marchou B, Magnaval J, Delobel P (2016) Établissement d'une présence endémique de la Bilharziose en Corse. *Médecine et maladie infectieuses*, 46, 45
- SE8. Berry A., Paris L., **Boissier** J., Caumes E. (2016). Schistosomiasis screening of travelers to Corsica, France. *Emerging Infectious Diseases*, 22 : eid2201.15.
- SE9. Berry A., Fillaux J., Martin-Blondel G., **Boissier** J., Iriart X., Marchou B., Magnaval F., Delobel P. (2016). Evidence for a permanent presence of schistosomiasis in Corsica, France, 2015. *Eurosurveillance*, 21 : pii=30100.
- SE10. **Boissier**, J. Grech-Angelini, S. Webster, B.L. Allienne, J.F. Huyse, T. Mas-Coma S., Toulza E., Barre-Cardi H., Rollinson D., Kincaid-Smith J., Oleaga A., Galinier R., Foata J., Rognon A., Berry A., Mouahid G., Henneron R., Mone H., Noel H., Mitta G. (2016). Outbreak of urogenital schistosomiasis in Corsica (France): an epidemiological case study. *Lancet Infectious Diseases* 16, 971-979.
- SE11. Kincaid-Smith J., Rey O., Toulza E., Berry A., **Boissier** J. (2017). Emerging Schistosomiasis in Europe: A need to quantify the risks . *Trends in Parasitology*, 33 : 600-609.
- SE12. Noel H., Ruello M., Macarry A., Pelat C., Sommen C., **Boissier** J., Barre-Cardi H., Fillaux J., Termignon J.-L., Debruyne M., Chyderiotis G., Durand J., Ramalli L., Chiappini J.-D., Malfait P., Berry A. (2018). Large outbreak of urogenital schistosomiasis acquired in Southern Corsica: monitoring the early signs of the endemicization? . *Clinical Microbiology and Infection*, 24 : 295-300
- SE13. Ramalli L., Mulero S., Noel H., ..., Allienne J.-F., Fillaux J., Berry A., **Boissier** J. (co-last) (2018). Persistence of schistosomal transmission linked to the Cavu river in Southern Corsica since 2013. *Eurosurveillance*, 23 : 18-00017.
- SE14. Destoumieux-Garzon D., Mavingui P., Boetsch G., **Boissier** J., Darriet F., Duboz P., Fritsch C., Giraudoux P., Le Roux F., Morand S., Paillard C., Pontier D., Sueur C., Voituren Y (2018). The One Health concept: 10 years old and a long road ahead. *Frontiers in Veterinary Research*, 5 : 14.
- SE15. Djuikwo-Teukeng F.F., Kouam Simo A., Allienne J.F., Rey O., Njyou Ngapagna A., Tchuem-Tchuente L.A., **Boissier** J. (2019). Population genetic structure of *Schistosoma bovis* in Cameroon. *Parasites & Vectors*, 12 : 56.
- SE16. Le Govic Y., Kincaid-Smith J., Allienne J.F., Rey O., de Gentile L., **Boissier** J. (2019). *Schistosoma haematobium*–*Schistosoma mansoni* Hybrid Parasite in Migrant Boy, France, 2017. *Emerging Infectious Disease*, 25: 365-367.
- SE17. Oleaga A., Rey O., Polack B., Grech-Angelini S., Quilichini Y., Perez-Sanchez R., Boireau P., Mulero S., Brunet A., Rognon A., Vallee I., Kincaid-Smith J., Allienne J.F., **Boissier** J. (2019). Epidemiological surveillance of schistosomiasis outbreak in Corsica (France): Are animal reservoirs hosts implicated in local transmission?. *Plos Neglected Tropical Diseases*, 13 : e0007543.
- SE18. Angora E.K., **Boissier** J., Menan H., Rey O., Tuo K., Toure A.O., Coulibaly J.T., Meite A., Raso G., N Goran E.K., Utzinger J., Balmer O. (2019). Prevalence and risk factors for Schistosomiasis among schoolchildren in two settings of Cote d Ivoire. *Tropical Medicine and Infectious Diseases*, 4 : 110.
- SE19. Mulero S., Rey O., Arancibia N., Mas-Coma S., **Boissier** J. (2019). Persistent establishment of a tropical disease in Europe : the preadaptation of tropical schistosomes to overwinter. *Parasites & Vectors*, 12 : 379.
- SE20. Angora K.E., Allienne J.F., Rey O., Menan H., Toure A.O., Coulibaly J.T., Raso G., Yavo W., NGoran E.K., Utzinger J., Balmer O., **Boissier** J. (2019). High prevalence of *Schistosoma haematobium* x *Schistosoma bovis* hybrids in schoolchildren in Cote d Ivoire. *Parasitology*, 147 : 287-294.

- SE21. Guegan H., Fillaux J., Charpentier E., Robert-Gangneux F., Chauvin P., Guemas E., **Boissier J.**, Valentin A., Cassaing S., Gangneux P., Berry A., Iriart X. (2019). Real-time PCR for diagnosis of imported schistosomiasis. *Plos Neglected Tropical Diseases*, 13 : e0007711.
- SE22. Mulero S., **Boissier J.**, Allienne J.F., Qulichini Y., Foata J., Pointier J.P., Rey O. (2019). Environmental DNA for detecting *Bulinus truncatus*: a new environmental surveillance tool for schistosomiasis emergence risk assessment. *Environmental DNA*
- SE23. Kebede T., Bech N., Allienne J.F., Rey O., Erko B., **Boissier J.** (2020). Genetic evidence of the role of non-human primates as reservoir host for human schistosomiasis. *Plos Neglected Tropical Diseases*, 14 : e0008538.
- SE24. Rothe C., Zimmer T., Schunk M., Wallrauch C., Helfrich K., Gultekin F., Bretzel G., Allienne J.F., **Boissier J.** (2020). Developing endemicity of Schistosomiasis, Corsica, France. *Emerging Infectious Disease*, 27, 319-321.
- SE25. Mulero S., Toulza E., Loisier A., Zimmerman M., Allienne J.F., Foata J., Qulichini Y., Pointier J.P., Rey O., **Boissier J.** (2021). Malacological survey in a bottle of water: A comparative study between manual sampling and environmental DNA metabarcoding approaches. *Global Ecology and Conservation*, 25, e01428
- SE26. Rey, O., Webster, B.L., Huyse, T., Rollinson, D., Van den Broeck, F., Kincaid-Smith, J., Onyekwere, A., **Boissier, J.**, 2021. Population genetics of African *Schistosoma* species. *Infect Genet Evol* 89, 104727.
- SE27. Rey O, Toulza E, Chaparro C, Allienne JF, Kincaid-Smith J, Mathieu-Begn e E, Allan F, Rollinson D, Webster BL, **Boissier J.** (2021) Diverging patterns of introgression from *Schistosoma bovis* across *S. haematobium* African lineages. *PLoS Pathog*, 17(2): e1009313.
- SE28. Reguera-Gomez, M., Valero, M.A., Oliver-Chiva, M.C., de Elias-Escribano, A., Artigas, P., Cabeza-Barrera, M.I., Salas-Coronas, J., **Boissier, J.**, Mas-Coma, S., Bargues, M.D., 2021. First morphogenetic analysis of parasite eggs from Schistosomiasis haematobium infected sub-Saharan migrants in Spain and proposal for a new standardised study methodology. *Acta Trop* 223, 106075.
- SE29. Panzner, U., **Boissier, J.**, 2021. Natural Intra- and Interclade Human Hybrid Schistosomes in Africa with Considerations on Prevention through Vaccination. *Microorganisms* 9.
- SE30. Kincaid-Smith, J., Tracey, A., de Carvalho Augusto, R., Bulla, I., Holroyd, N., Rognon, A., Rey, O., Chaparro, C., Oleaga, A., Mas-Coma, S., Allienne, J.F., Grunau, C., Berriman, M., **Boissier, J.**, Toulza, E., 2021. Morphological and genomic characterisation of the *Schistosoma* hybrid infecting humans in Europe reveals admixture between *Schistosoma haematobium* and *Schistosoma bovis*. *PLoS Negl Trop Dis* 15, e0010062.
- SE31. Kincaid-Smith, J., Mathieu-Begne, E., Chaparro, C., Reguera-Gomez, M., Mulero, S., Allienne, J.F., Toulza, E., **Boissier, J.**, 2021. No pre-zygotic isolation mechanisms between *Schistosoma haematobium* and *Schistosoma bovis* parasites: From mating interactions to differential gene expression. *PLoS Negl Trop Dis* 15, e0009363.
- SE32. Douchet P., **Boissier, J.**, Mulero, S., Fert e, H., Doberva, M., Alliene, J.F., Toulza, E., Bethune, K., Rey, O., 2021. Make visible the invisible: Optimized development of an environmental DNA metabarcoding tool for the characterization of trematode parasitic communities. *eDNA*.
- SE33. Crego-Vicente, B., Fernandez-Soto, P., Febrer-Sendra, B., Garcia-Bernalt Diego, J., **Boissier, J.**, Angora, E.K., Oleaga, A., Muro, A., 2021. Application of a Genus-Specific LAMP Assay for Schistosome Species to Detect *Schistosoma haematobium x Schistosoma bovis* Hybrids. *J Clin Med* 10.
- SE34. Teukeng, F.F.D., Blin, M., Bech, N., Gomez, M.R., Zein-Eddine, R., Simo, A.M.K., Allienne, J.F., Tchuem-Tchuente, L.A., **Boissier, J.**, 2022. Hybridization increases genetic diversity in *Schistosoma haematobium* populations infecting humans in Cameroon. *Infect Dis Poverty* 11, 37.

- SE35. Sanchez-Marques, R., Mas-Coma, S., Salas-Coronas, J., **Boissier**, J., Bargues, M.D., 2022. Research on Schistosomiasis in the Era of the COVID-19 Pandemic: A Bibliometric Analysis. *International Journal of Environmental Research and Public Health* 19, 8051.
- SE36. Onyekwere, A.M., Rey, O., Nwanchor, M.C., Alo, M., Angora, E.K., Allienne, J.F., **Boissier**, J., 2022. Prevalence and risk factors associated with urogenital schistosomiasis among primary school pupils in Nigeria. *Parasite Epidemiol Control* 18, e00255.
- SE37. Onyekwere, A.M., Rey, O., Allienne, J.F., Nwanchor, M.C., Alo, M., Uwa, C., **Boissier**, J., 2022. Population Genetic Structure and Hybridization of *Schistosoma haematobium* in Nigeria. *Pathogens* 11.
- SE38. Onyekwere, A.M., De Elias-Escribano, A., Kincaid-Smith, J., Dametto, S., Allienne, J.F., Rognon, A., Bargues, M.D., **Boissier**, J., 2022. Mating Interactions between *Schistosoma bovis* and *S. mansoni* and Compatibility of Their F1 Progeny with *Biomphalaria glabrata* and *Bulinus truncatus*. *Microorganisms* 10.
- SE39. Martinez-Orti, A., Adam, S., Garippa, G., **Boissier**, J., Bargues, M.D., Mas-Coma, S., 2022. Morpho-anatomical characterization of the urogenital schistosomiasis vector *Bulinus truncatus* (Audouin, 1827) (*Heterobranchia Bulinidae*) from southwestern Europe. *Journal of Conchology* 44, 355.
- SE40. Hammoud, C., Mulero, S., Van Bocxlaer, B., **Boissier**, J., Verschuren, D., Albrecht, C., Huyse, T., 2022. Simultaneous genotyping of snails and infecting trematode parasites using high-throughput amplicon sequencing. *Mol Ecol Resour* 22, 567-586.
- SE41. Destoumieux-Garzon, D., Matthies-Wiesler, F., Bierne, N., Binot, A., **Boissier**, J., Devouge, A., Garric, J., Gruetzmacher, K., Grunau, C., Guegan, J.F., Hurtrez-Bousses, S., Huss, A., Morand, S., Palmer, C., Sarigiannis, D., Vermeulen, R., Barouki, R., 2022. Getting out of crises: Environmental, social-ecological and evolutionary research is needed to avoid future risks of pandemics. *Environ Int* 158, 106915.
- SE42. Angora, E.K., Vangraefschepe, A., Allienne, J.F., Menan, H., Coulibaly, J.T., Meite, A., Raso, G., Winkler, M.S., Yavo, W., Toure, A.O., N'Goran, E.K., Zinsstag, J., Utzinger, J., Balmer, O., **Boissier**, J., 2022. Population genetic structure of *Schistosoma haematobium* and *Schistosoma haematobium x Schistosoma bovis* hybrids among school-aged children in Cote d'Ivoire. *Parasite* 29, 23.
- SE43. Senghor, B., E. Mathieu-Bégné, O. Rey, S. Doucouré, D. Sow, B. Diop, M. Sène, J. **Boissier** and C. Sokhna (2022). "Urogenital schistosomiasis in three different water access in the Senegal river basin: Prevalence and monitoring praziquantel efficacy and re-infection levels." *BMC Infectious Diseases* 22(1): 968
- SE44. Blin M, Senghor B, **Boissier** J, Mulero S, Rey O, Portela J. Development of environmental loop-mediated isothermal amplification (eLAMP) diagnostic tool for *Bulinus truncatus* field detection. *Parasit Vectors*. 2023 Feb 28;16(1):78.
- SE45. Huguenin A, Kincaid-Smith J, Depaquit J, **Boissier** J, Ferte H. MALDI-TOF: A new tool for the identification of *Schistosoma* cercariae and detection of hybrids. *PLoS Negl Trop Dis*. 2023 Mar;17(3):e0010577.
- SE46. Blin, M., Dametto, S., Agniwo, P., Webster, B.L., Angora, E., Dabo, A., **Boissier**, J., 2023. A duplex tetra-primer ARMS-PCR assay to discriminate three species of the *Schistosoma haematobium* group: *Schistosoma curassoni*, *S. bovis*, *S. haematobium* and their hybrids. *Parasit Vectors* 16, 121.
- Agniwo, P., Boissier, J., Sidibe, B., Dembele, L., Diakite, A., Niare, D.S., Akplogan, A., Guindo, H., Blin, M., Dametto, S., Ibikounle, M., Spangenberg, T., Dabo, A., 2023. Genetic profiles of *Schistosoma haematobium* parasites from Malian transmission hotspot areas. *Parasit Vectors* 16, 263.

- SE47. Experimental infections reveal acquired zoonotic capacity of human schistosomiasis through hybridization. Polack B., Mathieu-Bégné E., Vallée I., Rognon A., Fontaine J.J., Toulza E., Thomas M., Boissier J. 2024. *JID* (In press)

Therapy

- ST1. Laurent SAL, **Boissier J**, Coslédan F, Gornitzka H, Robert A, Meunier B (2008) Synthesis of "Trioxaquantel"[®] derivatives as potential new antischistosomal drugs. *European Journal of Organic Chemistry* 5, 895-913.
- ST2. **Boissier J**, Coslédan F, Robert A, Meunier B (2009) In vitro activities of trioxaquinines against *Schistosoma mansoni*. *Antimicrobial Agents and Chemotherapy* 53, 4903-4906.
- ST3. Pradines V, Portela J, **Boissier J**, Coslédan F, Meunier B, Robert A (2011) Trioxaquine PA1259 alkylates heme in the blood-feeding parasite *Schistosoma mansoni*. *Antimicrobial Agents and Chemotherapy* 55, 2403-2405.
- ST4. **Boissier J**, Portela J, Pradines V, Coslédan F, Robert A, Meunier B (2012) Activity of trioxaquine PA1259 in mice infected by *Schistosoma mansoni*. *Comptes Rendus Chimie* 15, 75-78.
- ST5. Portela J, **Boissier J**, Gourbal B, Pradines V, Collière V, Coslédan F, Meunier B, Robert A (2012) Antischistosomal activity of trioxaquinines: in vivo efficacy and mechanism of action on *Schistosoma mansoni*. *PLOS Neglected Tropical Diseases* 6, e1474.
- ST6. Thétiot-Laurent SAL, **Boissier J**, Robert A, Meunier B (2013) Schistosomiasis chemotherapy. *Angewandte Chemie* 52, 7936-7956.
- ST7. Yang J-J, **Boissier J**, Chen J-L, Yao H, Yang S, Rognon A, Qiao C (2015) Design, synthesis and biological evaluation of praziquantel and endoperoxide conjugates as antischistosomal agents. *Future Medicinal Chemistry* 2015, 713-725.
- ST8. Reyser T., To T.H., Egwu C., Paloque L., Nguyen M., Hamouy A., Stigliani C., Bijani C., Augereau J.M., Joly J.P., Portela J., Havot J., Marque S.R.A., **Boissier J.**, Robert A., Benoit-Vical F., Audran G. (2020). Alkoxyamines designed as potential drugs against *Plasmodium* and *Schistosoma* parasites. *Molecules*, 25 : 3838.
- ST9. Toussi Matchi, J.L., Tchamo NOUNGOUÉ, D., Kuhn, I., **Boissier, J.**, Tchouankeu, J.C., Nothisen, M., Chaubet, G., Garnier, D., Ursuegui, S., Ngouela, S.A., Wagner, A., 2020. Manniindole, an indole derivative from the roots of *Anonidium mannii* and combined antischistosomal and enzymatic activities. *Nat Prod Res* 35, 1-9.
- ST10. Matchi, J.L., NOUNGOUÉ, D.T., Chaubet, G., **Boissier, J.**, Kuhn, I., Tchouankeu, J.C., Nothisen, M., Ursuegui, S., Ngouela, S.A., Wagner, A., 2021. Antischistosomal evaluation of stem bark's extract and chemical constituents from *Anonidium mannii* against *Schistosoma mansoni*. *Phcog Mag* 17, 752-758.

Others...

- SA1. Roger E, Mitta G, Moné Y, Bouchut A, Rognon A, Grunau C, **Boissier J**, Théron A, Gourbal B (2008) Molecular determinants of compatibility polymorphism in the *Biomphalaria glabrata* / *Schistosoma mansoni* model: New candidates identified by a global comparative proteomics approach. *Molecular & Biochemical Parasitology* 157, 205-216.
- SA2. Cosseau C, Azzi A, Rognon A, **Boissier J**, Gourbière S, Roger E, Mitta G, Grunau C (2010) Epigenetic and phenotypic variability in populations of *Schistosoma mansoni* - a possible kick-off for adaptive host/parasite evolution. *Oikos* 119, 669-678.
- SA3. Grunau C, **Boissier J** (2010) No evidence for lateral gene transfer between salmonids and schistosomes. *Nature Genetics* 42, 918-919.

- SA4. Clément JAJ, Toulza E, Gautier M, Parrinello H, Roquis D, **Boissier J**, Rognon A, Moné H, Mouahid G, Buard J, Mitta G, Grunau C (2013) Private selective sweeps identified from next-generation pool-sequencing reveal convergent pathways under selection in two inbred *Schistosoma mansoni* strains. PLOS Neglected Tropical Diseases 7, e2591.
- SA5. Portela J, Duval D, Rognon A, Galinier R, **Boissier J**, Coustau C, Mitta G, Théron A, Gourbal BEF (2013). Evidence for specific genotype-dependant immune priming in the Lophotrochozoan *Biomphalaria glabrata* snail. Journal of Innate Immunity 5, 261-276.
- SA6. Roquis D., Rognon A., Chapparo C., **Boissier J.**, Arancibia N., Cosseau C., Parrinello H., Grunau C. (2016). Frequency and mitotic heritability of epimutations in *Schistosoma mansoni*. Molecular Ecology, 25 : 1741-1758.
- SA7. Fneich S., Theron A., Cosseau C., Rognon A., Aliaga B., Buard J., Duval D., Arancibia N., **Boissier J.**, Roquis D., Mitta G., Grunau C. (2016). Epigenetic origin of adaptative phenotypic variants in the human blood-fluke *Schistosoma mansoni*. Epigenetics & Chromatin, 9 :
- SA8. Le Govic Y., Gourbal B., **Boissier J.** (2021). Booming Omics in *Schistosoma*. Trends in Parasitology, 37 : 6-8.

Other parasites...

- A1. Fazio G, Sasal P, Da Silva C, Fumet B, **Boissier J**, Lecomte-Finiger R, Moné H (2008) Regulation of *Anguillicola crassus* (Nematoda) infrapopulations in their definitive host, the european eel, *Anguilla anguilla*. Parasitology 135, 1-10.
- A2. Badets M, **Boissier J**, Brémond P, Verneau O (2009) *Polystoma gallieni*: experimental evidence for chemical cues for developmental plasticity. Experimental Parasitology 121, 163-166.
- A3. Grech-Angelini S., Stachurski F., Lancelot R., **Boissier J.**, Allienne J.-F., Gharbi M., Uilenberg G. (2016). First report of the tick *Hyalomma scupense* (natural vector of bovine tropical theileriosis) on the French Mediterranean island of Corsica. Veterinary Parasitology, 216 : 33-37.
- A4. Grech-Angelini S., Stachurski F., Lancelot R., **Boissier J.**, Allienne J.F., Marco S., Maestrini O., Uilenberg G. (2016). Ticks (Acari: Ixodidae) infesting cattle and some other domestic and wild hosts on the French Mediterranean island of Corsica. Parasites & Vectors, 9 : 582.
- A5. Alba, A., Grech-Angelini, S., Vazquez, A., Alda, P., Blin, Q., Lemmonier, L., Chauvin, A., C., C., P., D., Hurtrez-Bousses, S., Rey, O., Foata, J., **Boissier, J.**, Quilichini, Y., 2023. Fasciolosis in the Mediterranean island of Corsica (France): Insights from epidemiological and malacological investigations. Food and Waterborne Parasitology 30, e00188.

List of publications in French

1. Saint C., Damiani C, **Boissier J**, Tote A., Le Govic Y. (2021). Une histoire d'éperon. « Bioquiz » Revue Francophone des Laboratoires 529, 67-69.
2. **Boissier J.** (2020). A la recherche d'un ADN environnemental ? Les cahier de l'ANSES – 15, 20-26
3. Bech N, **Boissier J**, Allienne JF, Novoa C, Bro E (2017) "Existe-t-il une différence génétique entre les perdrix grises d'élevages et les perdrix sauvages des plaines de grande culture ?" Faune Sauvage, 317, 97.
4. Kincaid-Smith J, Toulza E, **Boissier J** (2016) La bilharziose en Corse : de la génétique parasitaire aux aspects environnementaux. Bulletin de Veille Sanitaire, 20:4-5.
5. Ramalli L, Noel H, Macarry A, Chiappini J-D, **Boissier J**, Berry A (2016) Investigation d'un cluster de cas de bilharziose urogénitale contaminés en 2013 dans la rivière Cavu, Corse. Revue d'Épidémiologie et de Santé Publique, 64, 4, P S234
6. **Boissier J**, Kincaid-Smith J, Berry A, Allienne JF, Fillaux J, Toulza E (2015) Changements globaux et infections parasitaires a mollusques vecteurs - Un schistosome hybride atteint l'Europe. *Médecine/Sciences*, 31:962-964.
7. **Boissier J.** (2014) Emergence de la Bilharziose en Corse. Mag UPVD. Hors-Série Recherche n°3.
8. Bech N, Novoa C, Bro E, **Boissier J** (2012) Conservation de la biodiversité génétique des populations naturelles de perdrix grise : la question des lâchers d'oiseaux d'élevage. Faune Sauvage 297, 10-14.
9. **Boissier J.** Bech N. (2007) La génétique du lagopède étudiée par le Centre de Biologie et d'Ecologie Tropicale et Méditerranéenne. Rendez Vous N°8

List of book chapters

- Boissier, J.**, Mouahid, G. and Moné, H. 2019. *Schistosoma* spp. In: J.B. Rose and B. Jiménez-Cisneros, (eds) Global Water Pathogen Project. <http://www.waterpathogens.org> (Robertson, L (eds) Part 4 Helminths) <http://www.waterpathogens.org/book/schistosoma> Michigan State University, E. Lansing, MI, UNESCO.
- Boissier J.**, Mitta (2017). Écologie de la santé : pour une nouvelle lecture de nos maux. Ed Cherche Midi (Partenariat CNRS)
- Berry A, Iriart X, **Boissier J**, Fillaux J: La bilharziose : une parasitose plus uniquement tropicale. *Feuillets de Biologie (ISSN 0428-2779)* 2015 (327):1-10.
- Boissier J:** (Ré)émergence de la schistosomose dans un contexte de changements sociaux. *Les dossiers d'Agropolis International (ISSN 1628-4240)* 2015, 20 Changement climatique : impacts et adaptations (février 2015):63.

Expert reports

Galliform

2017 "Caractérisation génétique de la Perdrix grise effet des pratiques cynégétiques et des densités". Rapport ONCFS. Bech N, **Boissier J**, Allienne J.F., Novoa C., Bro E.

2016 « Programme de conservation ex-situ de la Perdrix grise » - Programme Européen Gallipyr. Bech N, **Boissier J**, Tarragó Guarro A., Martinez-Vidal R., & Novoa C.

Schistosome

2018 ANSES « Bilharziose de rongeur en Corse du Sud » **Boissier J.**, Rey O., Quilichinni Y.

- 2016 ANSES " Bilharziose animale au sud de la Corse". **Boissier J.**, Oleaga A., Grech-Angelini S., Polack B.
- 2016 ANSES " Enquête malacologique sur la présence du vecteur de la Bilharziose urinaire (*Bulinus* sp) en France" **Boissier J.**, Langand J., Dreyfuss G.
- 2014 WHO Report: Investigation of *Schistosoma haematobium* infections acquired in Southern Corsica". **Boissier J.**, Mitta G.
- 2012 Sanofi « Tests des molécules SA1 – SA2 – SA3 sur stades larvaires et adultes de *Schistosoma mansoni* » **Boissier J.** Rapport confidentiel
- 2005 Palumed SA « Tests des molécules PA110 – PA1203 et PA1509 sur stades adultes de *Schistosoma mansoni* » **Boissier J.** Rapport confidentiel

En tant que membre du Groupe d'expertise collective d'urgence (GECU) de l'ANSES

25/03/2016 - Saisine n° 2016-SA-0023

Avis relatif "à la stratégie de gestion concernant les mesures à mettre en place en cas de survenue de cas de bilharziose en Corse". Catastini C., Panetier P., Chubilleau C., M. Beisel JN., **Boissier J.**, Noel H., Polack B.

30/04/2015 - Saisine n° 2015-SA-036

Avis relatif aux "critères de levée d'interdiction et d'autorisation de la baignade dans la rivière du Cavu (Corse du Sud) suite à la survenue de cas de bilharziose uro-génitale" . Chubilleau C., Catastini C., Barré-Cardi H., **Boissier J.**, Chartier C., Dreyfuss G., Noël H., Polack B., Panetier P.

27/05/2015 - Saisine n° 2014-SA-0119

Avis relatif au "signalement de cas groupés de bilharziose autochtone en Corse du Sud". Catastini C., Panetier P., Ormsby JN., Barré-Cardi H., Bayssade-Dufour C., Berry A., Dreyfuss G., Koeck JL., Riveau G., **Boissier J.**, Rondelaud D.

Oral Presentations

Invited conferences

National

1. **Boissier J**, Berry A: La bilharziose en Corse. In: *Congrès des Sociétés Françaises de Parasitologie et de Mycologie Médicale: 20-22 Mai 2015; Bordeaux, France.*
2. **Boissier J**: Emergence de la bilharziose en Corse. In: *Workshop Interdisciplinarité: 20-21 novembre 2014; Université de Corte, Corse.*
3. **Boissier J**, Berry A: La Bilharziose, une maladie pas si tropicale que cela... In *CES Eau 5 Juillet 2016 ANSES, Paris*
4. **Boissier J**, Kincaid-Smith J., Rey O., Toulza E. Berry. : Pouvons nous quantifier les risques d'émergence de la Bilharziose en Europe ? In: *Congrès des Sociétés Françaises de Parasitologie et de Mycologie Médicale: 29-31 Mars 2017; Toulouse, France*
5. **Boissier J**. Maladies exotiques d'importation : Schistosomes. In : *Journée d'Automne de la Société de Médecine des Voyages, 13-14 octobre 2017, Perpignan*
6. **Boissier J.** & Panetier P. Emergence de la bilharziose en Corse : origine et caractérisation du pathogène. In : *Journées Scientifiques et Doctoriales ANSES, 25-26 octobre 2017, Maisons-Alfort*

7. **Boissier J.** Hybridation chez les schistosomes : fréquence, répartition et conséquences sur le contrôle de la schistosomiase In : *Journée d'Infectiologie en Occitanie, 20 septembre 2019, Perpignan*
8. **Boissier, J.** (2021). Molrisk. Un nouvel outil pour inférer le risque de transmission des maladies infectieuses transmises par les mollusques en Europe. Agents biologiques & Lutte anti-vectorielle, *In Webinaire ANSES, 8/12/2021*
9. **Boissier, J.** (2022). Bilharziose uro-génitale en Corse du sud : histoire de l'endémisation d'une maladie tropicale dans le sud de l'Europe. Microbes 2022 17e congrès national de la SFM (Session Tropical parasitoses), Montpellier, France.
10. **Boissier, J.** (2022). Décrypter l'émergence de Bilharziose en Corse, une approche One Health. Journée d'animation Corse-Occitanie « Risques vectoriels et vecteurs du Défi Clef RIVOC

International

1. **Boissier J, Mouahid G, Moné H:** Epidemiology and ecology of Schistosomiasis : from molecules to populations (conférence invités). In: *International Conference on the Status and Future Directions of Research on Schistosomiasis Control in Ethiopia: 23-25 March 2012; Gondar, Ethiopie.*
2. **Boissier J, Berry A, Allienne JF, Oleaga A, Alluin F, Galinier R, Barré-Cardi H, Mitta G, Foata J, Rognon A et al:** Emergence of urinary schistosomiasis in Europe: investigation of *Schistosoma haematobium* infections acquired in Southern Corsica. In: *IECID 2015 : Impact of Environmental Changes on Infectious Diseases: 23-25 Mars 2015; Sitges (Espagne).*
3. **Boissier J:** Epidemiology and molecular characterization of the recent outbreak of urogenital schistosomiasis in Corsica (France) (O5.03). In: *EMOP 2016 (Session: 5th KE Mott symposium on schistosomes and flukes): 20-24 July 2016; Turku, Finland.*
4. **Boissier, J. Grech-Angelini, S. Webster, B.L. Allienne, J.F. Huyse, T. Mas-Coma S., Toulza E., Barre-Cardi H., Rollinson D., Kincaid-Smith J., Oleaga A., Galinier R., Foata J., Rognon A., Berry A., Mouahid G., Henneron R., Mone H., Noel H., Mitta G.** Schistosomiasis a Neglected but not Tropical Disease anymore. In *ICTMM 2017 International Congress for Tropical Medicine and Malaria: 18-22 September 2016; Brisbane Australia*
5. **Boissier J, Kincaid-Smith J., Rey O., Toulza E.** Are hybrid schistosomes may impair schistosomiasis control? In *First Conference on Schistosomiasis in Cameroon, entitled "Towards Elimination of Schistosomiasis: a Paradigm Shift" (TES Conference): 22-23 March, 2017; Yaounde Cameroon*
6. **Boissier, J.** (2018). Hybridation chez les schistosomes : fréquence, répartition et conséquences sur le contrôle de la schistosomiase In: *9ème Congrès de la Société Africaine de Parasitologie, 5-7 Décembre 2018, Cotonou, Bénin*
7. **Boissier, J.** (2019). Uro-genital schistosomiasis in Corsica: story of an outbreak. *Royal Veterinary College, 13 september 2019, London, UK*
8. **Boissier, J.** (2019). Uro-genital schistosomiasis in Corsica: story of an outbreak. In: *Future of Parasitology, Institut Pasteur, 13 november 2019, Paris, France*
9. **Boissier, J.** (2020). Importance de l'hybridation pour le contrôle des schistosomiasis. Journées de Grands témoins du Master d'Ecologie des Maladies Infectieuses, Aléas Naturels et gestion des risques, Kinshasa - République Démocratique du Congo, 3-4 mars 2020
10. **Boissier, J.** (2021). Persistent establishment of a tropical disease in the south of Europe : the case of Schistosomiasis. In *HERA Webinar on Climate change and health interlinkage, 17 sept 2021*
11. **Boissier, J.** (2021). Emergence of bilharziasis in Corsica: where are we now?". In *EMOP 2021, Belgrade Serbie (hybride), 12-16 oct 2021*
12. **Boissier, J.** (2023). Emergence of bilharziasis in Corsica: a One Health Approach. One Health Symposium, University of Leuven, Belgium, 1 fev 2024

Conferences

Galliform

National

1. Bech N, **Boissier** J, Drovetski S, Novoa C: Structuration génétique des populations de lagopède alpin (*Lagopus muta pyrenaica*) sur les "Sky Islands" des Pyrénées. Implication pour la conservation. In: *30e Réunion du Petit Pois Dérivé : Groupe de Génétique et Biologie des Populations: Août 2008; Rennes.*
2. Bech N, Novoa C, **Boissier** J: Impact de la fragmentation des paysages sur la structuration génétique des populations de perdrix grise (*Perdrix perdrix*). (Communication orale primée). In: *31ème réunion du Groupe de Génétique et Biologie des Populations "Petit Pois Dérivé": 31 Août-3 Septembre 2009; Grenoble*

Schistosome

National

1. Beltran S, **Boissier** J: Monogamy and changes of partner in Schistosomes. In: *Colloque International "L'Héritage de Buffon : Buffon Legacy : Natural History in the 21st Century »: 3-8 septembre 2007; Dijon, France.*
2. Beltran S, **Boissier** J: Monogamie et changements de partenaire chez un parasite monogame. In: *Ecologie 2010: 2-4 Septembre 2010 2010; Montpellier.* 28.
3. Clément J, Toulza E, Gautier M, Parrinello H, Roquis D, Boissier J, Rognon A, Moné H, Mouahid G, Buard J *et al*: Next-generation pool-sequencing reveals unexpectedly high genomic diversity and identifies selective sweeps in inbred *Schistosoma mansoni* strains. In: *JOBIM Journées Ouvertes en Biologie, Informatique et Mathématiques (JOBIM) 2013 01/07-04/08 2013 2013; Toulouse.*
4. Clément J, Toulza E, Parrinello H, Roquis D, **Boissier** J, Rognon A, Moné H, Mouahid G, Buard J, Mitta G *et al*: Footprints of selection in two inbred *Schistosoma mansoni* strains from pool-seq : specific and convergent pathways. In: *2nd Colloque de Génomique Environnementale: 4-6 Novembre 2013; Rennes.*
5. Clément JAJ, Toulza E, Gautier M, Parrinello H, Roquis D, **Boissier** J, Rognon A, Moné H, Mouahid G, Buard J *et al*: Private selective sweeps identified from next-generation pool-sequencing reveal convergent pathways under selection in two inbred *Schistosoma mansoni* strains. In: *2nd Colloque de Génomique Environnementale: 4-6 Novembre 2013; Rennes.*
6. Picard MAL, Duval D, Mouahid G, Arancibia N, Grunau C, Cosseau C, **Boissier** J: Un ver parasite au sexe très complexe (2e prix meilleure présentation orale). In: *2e Congrès Pluridisciplinaire des Doctorants de l'UPVD: 15-16 Mai 2013; Perpignan.*
7. Fneich S, Théron A, Cosseau C, Rognon A, Aliaga B, Buard J, Duval D, Arancibia N, **Boissier** J, Mitta G *et al*: {GEN x EPI} x E => P: A systems approach to (epi)genetic inheritance and evolution in *Schistosoma mansoni*. In: *SFE Sféologie-2016 International conference of Ecological Sciences: 24-27 octobre 2016; Marseille.*
8. Grech-Angelini S, Stachurski F, Moutailler S, **Boissier** J, Vayssier-Taussat M, Lancelot R, Allienne JF, Devilliers E, Maestrini O, Marco S *et al*: Etude des tiques et maladies transmises en milieu insulaire méditerranéen ; l'exemple du cheptel bovin corse. In: *23e Journées 3R (Rencontres Recherches Ruminants) Congrès International Francophone 7-8 Décembre 2016; Paris, France.*

9. Grech-Angelini S, Stachurski F, Moutailler S, Lancelot R, **Boissier** J, Allienne JF, Devilliers E, Maestrini O, Marco S, Vayssier-Taussat M *et al*: Etude des tiques et maladies transmises en milieu insulaire méditerranéens ; l'exemple du cheptel bovin corse. In: *12e Réunion du Groupe de Travail "Tiques et maladies à tiques" au sein du réseau REID: 9-11 mars 2016; Sète, France*
10. Kincaid-Smith, J., Toulza, E., Chaparro, C., Cosseau, C., **Boissier**, J. Is pathogens hybridization an emerging global threat? The case of *Schistosoma haematobium* and *Schistosoma bovis* parasites. In *Evolution Montpellier, 18-22 août 2018, Montpellier.*
11. Le Govic Y., Kincaid-Smith J., Allienne JF, Rey O, De Gentile L, **Boissier** J. Elimination urinaire d'oeufs à éperon latéral révélant une hybridation naturelle entre *Schistosoma mansoni* et *S. haematobium*: à propos d'un cas et implications épidémiologiques potentielles. In: *SFMM/SFP/RESFIZ, 16-19 mai 2018, Nice*

International

1. Beltran S, **Boissier** J: Why are schistosomes monogamous? In: *Xth EMOP European Multicolloquium Of Parasitology (International Symposium): 24-29/08/2008; Paris, France.*
2. Cosseau C, Lepesant J, Perrin C, Portela J, **Boissier** J, Mitta G, Grunau C: Towards an understanding of the epigenetics of schistosomes. In: *12th International Symposium on schistosomiasis: 5-8 Octobre 2010 2010; Rio de Janeiro, Brasil.*
3. Lepesant J, Cosseau C, Portela J, **Boissier** J, Dejean B, Grunau C: Chromatin status and transcription patterns of several new classes of female specific repeats of *Schistosoma mansoni*. In: *ICOPA XII: 15-20 Août 2010 2010; Melbourne, Australia.*
4. Clément JAJ, Roquis D, Parrinello H, **Boissier** J, Rognon A, Mitta G, Grunau C: Genetic bases of adaptative evolution of *Schistosoma mansoni* to its intermediate host: clues from next generation sequencing data. In: *EMOP XI: 25-29/07/2012 2012; Cluj-Napoca, Roumanie.* 338.
5. Lepesant J, Cosseau C, **Boissier** J, Freitag M, Portela J, Climent D, Perrin C, Zerlotini A, Mitta G, Grunau C: Possible role of epigenetic mechanism in sex chromosome emergence in *Schistosoma mansoni*, a human parasite. In: *EMOP XI: 25-29/07/2012 2012; Cluj-Napoca, Roumanie.* 336-337.
6. Lepesant J, Cosseau C, Roquis D, **Boissier** J, Rognon A, Mitta G, Grunau C: A role for epigenetics in the adaptative evolution of a human parasite, *Schistosoma mansoni*, in response to environmental stress. In: *EMOP XI: 25-29/07/2012 2012; Cluj-Napoca, Roumanie.* 337.
7. Fneich S, Théron A, Cosseau C, Buard J, Duval D, Arancibia N, **Boissier** J, Mitta G, Grunau C: Epigenetic origin of adaptive phenotypic variants in the blood-fluke *Schistosoma mansoni* (oral). In: *XVth ESEB Meeting: 10-14 Août 2015 2015; Lausanne, Suisse.*
8. Picard MAL, Grunau C, Allienne JF, Duval D, **Boissier** J, Cosseau C: From global to gene by gene compensation: the exemple of the parasites *Schistosoma mansoni*. In: *SMBE: 2015; Vienne, Autriche.*
9. Picard MAL, Grunau C, Roquis D, Allienne JF, Duval D, **Boissier** J, Cosseau C: Genetic and epigenetic mechanisms to trigger off sexual dimorphism. Example of intriguing dioecious parasites: Schistosomatidae. In: *SMBE: 2015; Vienne, Autriche.*
10. Fneich S, Théron A, Cosseau C, Rognon A, Aliaga B, Buard J, Duval D, Arancibia N, **Boissier** J, Mitta G *et al*: Epigenetic bases of infection success in the human blood-fluke *Schistosoma mansoni*. In: *HYDRA Molecular and Cellular Biology of Helminth Parasites X: 5-9 septembre 2016 2016; Hydra, Grèce.*
11. Picard MAL, Grunau C, Roquis D, Rognon A, **Boissier** J, Cosseau C: Dosage compensation in *Schistosoma mansoni*: from global to gene specific compensation during the sex differentiating development. In: *HYDRA Molecular and Cellular Biology of Helminth Parasites X: 5-9 septembre 2016 2016; Hydra, Grèce.*

12. Angora, K.E., Allienne, J.F., Balmer, O., Rey, O., Menan, H., Touré, A.O., Coulibaly, J.T., Raso, G., Utzinger, J., **Boissier**, J. Investigation of hybridization between *Schistosoma haematobium* and *Schistosoma bovis* among schoolchildren in Côte d'Ivoire: preliminary results. In: 9ème Congrès de la Société Africaine de Parasitologie, 5-7 Décembre 2018, Cotonou, Bénin.
13. Angora, K.E., **Boissier**, J., Menan, H., Rey, O., Tuo, K., Touré, A.O., Coulibaly, J.T., Méité, A., Raso, G., Schindler, C., Utzinger, J., Balmer, O. Prevalence and associated factors of schistosomiasis among schoolchildren in Western and Southern Côte d'Ivoire. In: 9ème Congrès de la Société Africaine de Parasitologie, 5-7 Décembre 2018, Cotonou, Bénin.
14. Djuikwo-Teukeng, F.F., Simo, A.K., Allienne, J.F., Rey, O., Ngapagna, A.N., Tchuem-Tchunte, L.A., **Boissier**, J. Population genetic structure of *Schistosoma bovis* in Cameroon In: 9ème Congrès de la Société Africaine de Parasitologie, 5-7 Décembre 2018, Cotonou, Bénin.
15. Blin, M., C. Robin, S. Mulero, J. Portela, O. Rey and B. **Boissier** (2022). ELABU: Environmental Loop-mediated Isothermal Amplification (LAMP) for *Bulinus truncatus* field detection. ICOPA 2022, Copenhagen.

Posters

National

1. Bech N, Barbu C, Quemre E, Novoa C, **Boissier** J: Impact de l'augmentation de la température sur le paysage et la génétique des populations d'altitude (poster). In: *Ecologie 2010: 2-4 Septembre 2010; Montpellier*. 290.
2. Clément J, Toulza E, Gautier M, Parinello H, Roquis D, **Boissier** J, Rognon A, Moné H, Mouahid G, Buard J *et al*: Footprints of selection in two inbred *Schistosoma mansoni* strains from pool-seq : specific and convergent pathways (poster). In: *JOBIM Journées Ouvertes en Biologie, Informatique et Mathématiques (JOBIM) 2013 01/07-04/08 2013; Toulouse*.
3. Clément J, Toulza E, Gautier M, Parinello H, Roquis D, **Boissier** J, Rognon A, Moné H, Mouahid G, Buard J *et al*: Footprints of selection in two inbred *Schistosoma mansoni* strains from pool-seq : specific and convergent pathways. (poster). In: *JOBIM Journées Ouvertes en Biologie, Informatique et Mathématiques (JOBIM) 2013 01/07-04/08 2013; Toulouse*.
4. Picard M, **Boissier** J: Détermination et apparition du dimorphisme sexuel chez *Schistosoma mansoni* (poster) 3e prix du meilleur poster. In: *1er Congrès Pluridisciplinaire des Doctorants de l'UPVD: Juin 2012; Perpignan*.
5. Picard M, Cosseau C, Duval D, Grunau C, **Boissier** J: Comment fait-on du sexe chez *Schistosoma mansoni* ? (poster). In: *34e Petit Pois Dérivé: 28-31 Août 2012; Avignon*.
6. Ramalli L, Noël H, Maccary A, Chiappini JD, Armengaud A, Malfait P, Barré- Cardi H, **Boissier** J, Berry A: La Bilharziose urogénitale autochtone en Corse : un risque permanent (POSTER). In: *VIIe congrès international d'épidémiologie ADELFF-EPITER: 7-9 septembre 2016; Rennes*.
7. Robert A, Pradines V, **Boissier** J, Portela J, Coslédan F, Meunier B: Activity of trioxaquine PA1259 against the blood parasite *Schistosoma mansoni* (poster). In: *Journées de la division de Chimie de Coordination: 26-27 Janvier 2012; Strasbourg*.
8. Blin, M., J. Portela and J. **Boissier** (2021). SchistoLAMP : développement d'outil de diagnostic des schistosomiasis (poster). In : *Congrès Société Française de Parasitologie, Lyon, 29 oct 2021*
9. Douchet, P., J. **Boissier**, S. Mulero, H. Ferté, M. Doberva, J. F. Allienne, E. Toulza, K. Bethune and O. Rey (2021). Make visible the invisible: optimised development of an environmental DNA metabarcoding tool to characterise trematode parasitic communities (poster). EAGS Environmental and Agronomical Genomics Symposium, Tours (France, 27-29 oct 2021)

International

1. Beltran S, Gourbal B, **Boissier J**, Duval D, Pierce RJ, Grunau C, Théron A, Mitta G: Genotype-phenotype relationship in the light of red queen hypothesis: the case of the interaction between *Schistosoma mansoni* and its vertebrate host. In: *ICOPA XII: 15-20 Août 2010; Melbourne, Australia*.
2. Grunau C, **Boissier J**, Cosseau C, Beltran S, Duval D, Portela J, Gourbal B, Théron A, Mitta G: *Schistosoma mansoni*: how to make a female (poster). *American Journal of Tropical Medicine and Hygiene* 2009, 81(5):79-79.
3. Picard MAL, Rognon A, Duval D, Mouahid G, Grunau C, Cosseau C, **Boissier J**: Genetic/epigenetic mechanisms to trigger off separate sex appearance. Example of intriguing dioecious parasite: Schistosomatidae (poster). In: *s of the ESEB European Society for Evolutionary Biology: 19-24 Août 2013; Lisbon, Portugal*.
4. Picard MAL, Rognon A, Duval D, Mouahid G, Grunau C, Cosseau C, **Boissier J**: Genetic/epigenetic mechanisms to trigger off separate sex appearance. Example of intriguing dioecious parasite: Schistosomatidae (poster). In: *Conférence Jacques Monod "Avancées récentes sur l'évolution du sexe et des systèmes génétiques": 22-26 Mai 2013; Roscoff*.
5. Ramalli L, Noël H, Ruello M, Maccary A, **Boissier J**, Barré-Cardi H, Fillaux J, Termignon JL, Debruyne M, Chyderiotis G *et al*: -POSTER Re-emergence of urinary schistosomiasis in Europe ? *Schistosomiasis haematobium* infections acquired in Southern Corsica. In: *ESCAIDE European Scientific Conference on Applied Infectious Disease Epidemiology 2015 11-13 Novembre 2015; Stockholm, Suede*.
6. Toulza E, Clément J, Gautier M, Parinello H, Roquis D, **Boissier J**, Rognon A, Moné H, Mouahid G, Buard J *et al*: Private selective sweeps identified from next-generation pool-sequencing reveal convergent pathways in two inbred *Schistosoma mansoni* strains. (poster). In: *s of the ESEB European Society for Evolutionary Biology: 19-24 Août 2013; Lisbonne, Portugal*.
7. Toulza E, Kincaid-Smith J, Mouahid G, Allienne JF, Grunau C, **Boissier J**, Mitta G, Langand J, Idris M, Habbash S *et al*: Host shift in the platyhelminth *Schistosoma mansoni* : searching for the basis of parasite chronobiology using pop(pool)ation genomics. In: *conférence Jacques Monod "Les maladies infectieuses comme moteur de l'évolution : les défis à venir" 6-10 Septembre 2014; Roscoff*.
8. Toulza E, Kincaid-Smith J, Mouahid G, Allienne JF, Grunau C, **Boissier J**, Mitta G, Langand J, Moné H: Comparative Pop(pool)ation genomics of two chronotypes of the metazoan parasite *Schistosoma mansoni* : insights into adaptation to a new host (poster). In: *Bioinformatics for Environmental Genomics workshop: 27-28 May 2014; Lyon-France*.
9. Bech N., Boissier J., Allienne J.F., Novoa C., Bro E. Quantifying genetic distance between wild and adaptative strains of grey partridge *Perdix perdix* in France. In: *33rd IUGB & 14th Perdix Congress, 22-25 Août 2017, Montpellier*
10. Blin, M., J. Portela and J. **Boissier** (2021). SNP-SchistoLAMP : Rapid identification method to differentiate between *Schistosoma* species based on a single nucleotide polymorphism using LOOP-mediated isothermal amplification (poster). In *EEID Ecology and Evolution of Infectious Diseases Meeting, online, 14-17 juin 2021*
11. Kincaid-Smith, J., E. Mathieu-Bégné, C. Chaparro, M. Reguera-Gomez, S. Mulero, J. F. Allienne, E. Toulza and B. Boissier (2021). No pre-zygotic isolation mechanisms between *Schistosoma haematobium* and *Schistosoma bovis* parasites: from mating interactions to differential gene expression (poster). In *EEID Ecology and Evolution of Infectious Diseases Meeting, online, 14-17 juin 2021*

Média

Nature (09/11/2023) "Tropical diseases move north"

<https://www.nature.com/articles/d41586-023-03476-7>

Science (28/08/2018) "A tropical parasitic disease has invaded Europe, thanks to a hybrid of two infectious worms"

https://www.sciencemag.org/news/2018/08/tropical-parasitic-disease-has-invaded-europe-thanks-hybrid-two-infectious-worms?r3f_986=http://ihpe.univ-perp.fr/ihpe-medias/vulgarisation/

Le Figaro (30/08/2018) « Un ver parasite tropical urogénital introduit en Corse en 2013 pourrait encore sévir »

<http://www.lefigaro.fr/sciences/2018/08/30/01008-20180830ARTFIG00178-un-ver-parasite-tropical-urogenital-introduit-en-corse-en-2013-pourrait-encore-sevir.php>

France Inter (31/08/2018) « La tête au carré »

<https://www.franceinter.fr/emissions/la-tete-au-carre>

Corse Matin (18/07/2016) "La vallée de San Martinu plus forte que la bilharziose"

<http://www.corsematin.com/article/article/la-vallee-de-san-martinu-plus-forte-que-la-bilharziose>

Corse Net Info (16/01/2016) "Bilharziose : Un nouveau cas détecté dans le Cavu"

http://www.corsenetinfos.corsica/Bilharziose-Un-nouveau-cas-detecte-dans-le-Cavu_a19233.html

Le Journal de l'environnement (13/01/2016) "En Corse, la bilharziose rôde encore"

<http://www.journaldelenvironnement.net/article/en-corse-la-bilharziose-rode-encore.65964>

London National History Museum (16/05/2016) "Europe parasite outbreak source using Museum specimen"

<http://www.nhm.ac.uk/our-science/science-news/2016/may/europe-parasite-outbreak-source-traced-using-museum-specimens.html>

Figaro (17/05/2016) « Comment la Bilharziose, maladie tropicale, c'est invitée en Corse du Sud

<http://sante.lefigaro.fr/actualite/2016/05/17/24974-comment-bilharziose-maladie-tropicale-sest-invitee-corse>

Corse Matin (28/07/2014) "Cavu: barrage sanitaire contre la bilharziose"

Journal de la Cité des Science, Paris (28/11/08). Monogamie : divorce entre vers parasites. Rubrique « Science actualités ».

<http://www.cite-sciences.fr/fr/ressources/science-actualites/detail/news/monogamie-divorce-entre-vers-parasitaires/>

Libération (4/11/08). Les fondements génétiques de la monogamie, chez un ver. Rubrique « Que cherchez-vous ? »

http://www.liberation.fr/sciences/2008/11/04/les-fondements-genetiques-de-la-monogamie-chez-un-ver_157706

Discover, Science, Technology and The Future (8/10/08). Even Blood Flukes Get Divorced

http://blogs.discovermagazine.com/loom/2008/10/08/even-blood-flukes-get-divorced/#.WI3TY3_ithA

Le Monde (19/10/08). Divorce chez les vers parasites. Rubrique « Evolution ».

L'indépendant (2/02/2007) : « Nos perdrix des neiges menacées »

Midi Libre (3/02/2007) : « Pyrénées : Le réchauffement menace aussi la perdrix des neiges du Canigou »