

Arnaud ESTOUP

Date of birth: 18 October 1967

Nationality: French

Three children

email : estoup@supagro.inra.fr

RESEARCH CAREER

2006 - present: Permanent research position at I.N.R.A (Institut National de la Recherche Agronomique) as Director of Research (DR2) at the Centre de Biologie et de Gestion des Populations (CBGP) in Montpellier, France.

2000 - 2006: Permanent research position at I.N.R.A as CR1 at the Centre de Biologie et de Gestion des Populations (CBGP) in Montpellier, France.

1998 - 2000: Sabbatical period at the department of zoology, University of Queensland, Australia (Head: Prof. Craig Moritz).

1997 - 1998: Permanent research position at I.N.R.A as CR2 at the laboratoire de Modélisation et Biologie Evolutive (URLB) in Montpellier, France.

1995 - 1997: Permanent research position at I.N.R.A as CR2 at the laboratoire de Génétique des Poissons in Jouy en Josas, France.

1992 - 1995 : PhD at the University of Orsay-Paris XI, in the C.N.R.S laboratory P.G.E. (Populations, Génétique et Evolution). Supervisors : Michel Solignac and Jean-Marie Cornuet.

Competencies and interests: Evolutionary biology, population genetics, molecular ecology, methods for inferences, coalescent, molecular markers (microsatellites and NGS), non-equilibrium systems, quantitative traits, biological invasions.

Publications : 146 articles (131 in international journals and 4 book chapters)

- 1- **Estoup A**, Presa P, Krieg F, Vaiman D, Guyomard R (**1993**) (CT)_n and (GT)_n microsatellites: a new class of genetic markers for *Salmo trutta* L. (brown trout). *Heredity*, 71, 488-496.
- 2- **Estoup A**, Solignac M, Harry H, Cornuet JM (**1993**) Characterization of (GT)_n and (CT)_n microsatellites in two insect species: *Apis mellifera* and *Bombus terrestris*. *Nucleic Acids Research*, 21, 1427-1431.
- 3- Presa P, Krieg F, **Estoup A**, Guyomard R (**1994**) Diversité et gestion génétique de la truite commune : apport de l'étude du polymorphisme des locus protéiques et microsatellites. *Genétique Selection et Evolution*, 26, 183-202.
- 4- **Estoup A**, Solignac M, Cornuet JM (**1994**) Precise assessment of the number of patrines and of genetic relatedness in honey bee colonies. *Proceedings of the Royal Society of London: Biological Sciences*, 258, 1-7.
- 5- **Estoup A**, Scholl A, Pouvreau A, Solignac M (**1995**) Monoandry and polyandry in bumble bees (Hymenoptera, Bombinae) as evidenced by highly variable microsatellites. *Molecular Ecology*, 4, 89-93.
- 6- **Estoup A**, Garnery L, Solignac M, Cornuet JM (**1995**) Microsatellite variation in honey bee (*Apis mellifera*) populations: hierarchical genetic structure and test of the infinite and stepwise mutation models. *Genetics*, 140, 679-695.
- 7- **Estoup A**, Taillez C, Cornuet JM, Solignac M (**1995**) Size homoplasy and mutational processes of interrupted microsatellites in two bee species, *Apis mellifera* and *Bombus terrestris* (Apidae). *Molecular Biology and Evolution*, 12, 1074-1084.
- 8- Thoren P, Paxton R, **Estoup A** (**1995**) Unusually high frequency of (CT)_n and (GT)_n microsatellites in a yellowjacket wasp, *Vespula rufa* L. (Hymenoptera: Vespidae). *Insect Molecular Biology*, 4, 141-148.
- 9- Moritz RFA, Kryger P, Koeniger G, Koeniger N, **Estoup A**, Tingek S (**1995**) High degree of polyandry in *Apis dorsata* queens detected by DNA microsatellite variability. *Behavioural Ecology and Sociobiology*, 37, 357-363.

- 10- Oldroyd B, Smolenski A, Lawler S, **Estoup A**, Crozier R (1995) Colony aggregations in *Apis mellifera*. *Apidologie*, 26, 119-130.
- 11- Oldroyd PB, Smolenski AJ, Cornuet JM, Wongsiri S, **Estoup A**, Rinderer TE, Crozier RH (1995) Levels of polyandry and intracolony genetic relationships in *Apis florea*. *Behavioural Ecology and Sociobiology*, 37, 329-335.
- 12- **Estoup A**, Solignac M, Cornuet JM, Scholl A (1996) Genetic differentiation of continental and island populations of *Bombus terrestris* L. (Hymenoptera: Apidae) in Europe. *Molecular Ecology*, 5, 19-31.
- 13- **Estoup A**, Largiadèr C-R, Perrot E, Chourrout D (1996) One-tube rapid DNA extraction for reliable PCR detection of fish polymorphic markers and transgenes. *Molecular Marine Biology and Biotechnology*, 5, 295-298.
- 14- Arnold G, De Schepper B, Quenet B, **Estoup A**, Gasqui P, Cornuet JM, Masson C (1996) Kin recognition in honeybee. *Nature*, 379, 498.
- 15- Oldroyd PB, Smolenski AJ, Cornuet JM, Wongsiri S, **Estoup A**, Rinderer TE, Crozier RH (1996) Levels of polyandry and intracolony genetic relationships in *Apis dorsata*. *Annual review of entomology and Sociobiology of America*, 89, 276-283.
- 16- Paxton R, Thoren PA, Tengö J, **Estoup A**, Pamilo P (1996) Mating structure and nestmate relatedness in a communal bee, *Andrena jacobii* (Hymenoptera, Andrenidae), using microsatellites. *Molecular Ecology*, 5, 511-519.
- 17- **Estoup A**, Gharbi K, SanCristobal M, Chevalet C, Haffray P, Guyomard R (1998) Parentage assignment using microsatellites in turbot (*Scophthalmus maximus*) and rainbow trout (*Oncorhynchus mykiss*) hatchery populations. *Canadian Journal of Fisheries and Aquatic Sciences*, 57, 715-723.
- 18- **Estoup A**, Rousset F, Michalakis Y, Cornuet J-M, Adriamanga M, Guyomard R (1998) Comparative analysis of microsatellite and allozyme markers: a case study investigating microgeographic differentiation in brown trout (*Salmo Trutta*). *Molecular Ecology*, 7, 339-353.
- 19- Widmer A, Schmid-Hempel P, **Estoup A**, Scholl A (1998) Phylogeography and population differentiation of *Bombus terrestris*. (Hymenoptera: Apidae) from the Macaronesian Islands. *Heredity*, sous presse.
- 20- Samadi S, Erard F, **Estoup A**, Jarne P (1998) The influence of reproductive systems and selection on the variability at microsatellite loci: a simulation approach. *Genetical Research*, 71, 213-222.
- 21- Samadi S, **Estoup A**, Pointier J-P, Silvain J-F, Heller J, Cariou M-L, Jarne P (1998) Density and variability of dinucleotide microsatellites in the parthenogenetic polyploid snail *Melanooides tuberculata*. *Molecular Ecology*, 7, 1233-1236.
- 22- Viard F, Franck P, Dubois M-P, **Estoup A**, Jarne P (1998) Variation of microsatellite size homoplasy across electromorphs, loci and populations in three invertebrate species. *Journal of Molecular Evolution*, 47, 42-51.
- 23- Boudjemadi K, Martin O, Simon J-C, **Estoup A** (1998) Development and cross-species comparison of microsatellite markers in two lizard species, *Lacerta vivipara* and *Podarcis muralis*. *Molecular Ecology*, sous presse.
- 24- Billot C, Rousvoal S, **Estoup A**, Epplen JT, Saumitou-Laprade P, Valero M, Kloagen B (1998) Isolation and characterization of microsatellite markers in the nuclear genome of the brown alga *Laminaria digitata* (Phaeophyceae). *Molecular Ecology*, 12, 1778-1780.
- 25- Boudjemadi K, Martin O, Simon J-C, **Estoup A** (1999) Development and cross-species comparison of microsatellite markers in two lizard species, *Lacerta vivipara* and *Podarcis muralis*. *Molecular Ecology*, 8, 518-520.
- 26 - Krieg F, **Estoup A** , Triantafyllidis A and Guyomard R (1999). Isolation of Microsatellite loci in European catfish. *Molecular Ecology*, 8, 1964-1966.
- 27 - Cornuet JM, Piry S, Luikart G, **Estoup A**, Solignac M (1999) New methods employing multilocus genotypes to select or exclude population as origin of individuals, *Genetics*, 153, 1889-2000.
- 28 - **Estoup A**, Rousset F, Cornuet J-M, Guyomard R (1999) Juxtaposed microsatellites as diagnostic markers for genetic introgression : theoretical aspects. *Molecular Biology and Evolution*, 16, 898-908.
- 29 - Turgeon J, **Estoup A**, Bernatchez L (1999) Lake Nipigon Ciscoes species flock: ecomorphological and microsatellite assessment, *Evolution*, 53, 1857-1871.
- 30 - Anger B, **Estoup A**, Jarne P (2000) Microsatellites size homoplasy, SSCP, and population structure: a case study in the freshwater snail *Bulinus truncatus*. *Molecular Biology and Evolution*, 17, 1926-1932.

- 31 - Tikel D, Paetkau D, Cortinas M N, Leblois R, Moritz C, **Estoup A (2000)** Polymerase chain reaction primers for polymorphic microsatellites loci in the invasive species *Bufo marinus*. *Molecular Ecology*, 9, 1927-1929.
- 32 - Leblois R, Rousset F, Tikel D, Moritz C, **Estoup A (2000)** Absence of evidence for isolation by distance in an expanding cane toad (*Bufo marinus*) population: an individual-based analysis of microsatellite genotypes. *Molecular Ecology*, 9, 1905-1909.
- 33 - **Estoup A**, Largiadèr C, Presa P, Cornuet J-M, Guyomard R (2000) Juxtaposed microsatellites as diagnostic markers for admixture: empirical evaluation with brown trout (*Salmo trutta*) as model organism. *Molecular Ecology*, 9, 1873-1886.
- 34 - Largiadèr C, **Estoup A**, Lecerf F, Champigneulle A, Guyomard R (2000) Microsatellite analysis of polyandry and spawning site competition in brown trout (*Salmo trutta*). *Génétique Selection et Evolution*, 33 (suppl. 1), 205-222.
- 35 - Primmer C R, Aho T, Piironen J, **Estoup A**, Cornuet JM, Ranta E (2000) Microsatellite analysis of hatchery stocks and natural populations of Arctic charr, *Salvelinus alpinus*, from the Nordic region: implications for conservation. *Hereditas*, 130, 277-289.
- 36 - Simon J-C, Martin O, Delmotte F, Leterme N, **Estoup A (2000)** Isolation and characterisation of microsatellite markers of the aphid *Rhopalosiphum padi*. *Molecular Ecology*,
- 37 - Pope L C, **Estoup A**, Moritz C (2000) Phylogeography and population structure of an ecotonal marsupial, *Bettongia tropica*, determined using mtDNA and microsatellites. *Molecular Ecology*, 9, 2041-2053.
- 38 - Paxton R J, Thoren P, **Estoup A**, Tengö J (2001) Queen worker conflict over male production and the sex ratio in a facultatively polyandrous bumblebee, *Bombus hypnorum* : the consequences of nest usurpation. *Molecular Ecology*, 10, 2489-2498.
- 39 - Sumner J, Rousset F, **Estoup A**, Moritz C (2001). Neighbourhood' size, dispersal and density estimates in the prickly forest skink (*Gnypetoscincus queenslandiae*) using individual genetic and demographic methods. *Molecular Ecology*, 10, 1917-1927.
- 40 - **Estoup A**, Wilson I, Sullivan C, Cornuet J-M & Moritz C (2001) Inferring population history from microsatellite and enzyme data in serially introduced cane toads, *Bufo marinus*. *Genetics*, 159, 1671-1687.
- 41 - Simon J-C, Leterme N, Delmotte F, Martin O, **Estoup A (2001)** Isolation and characterization of microsatellite loci in the aphid species, *Rhopalosiphum padi*. *Molecular Ecology Notes*, 1, 4-5.
- 42 - **Estoup A**, Jarne P, Cornuet J-M (2002) Homoplasmy and mutation model at microsatellite loci and their consequence for population genetics analysis. *Molecular Ecology*, 11, 1591-1604.
- 43 - Angers B, Gharbi K, **Estoup A (2002)**. Non-reciprocal genetic exchanges between paralogous sequences : detection and effect on molecular evolutionary patterns in tetraploid Salmonidae fishes. *Journal of Molecular Evolution*, 54, 501-510.
- 44 - Duran S, Pascual M, **Estoup A**, Turon X (2002). Polymorphic microsatellite loci in the sponge *Crambe crambe* (Porifera : Poecilosclerida) and their variation in two distant populations. *Molecular Ecology Notes*, 2, 478-480.
- 45 - Fournier E, Giraud T, Loiseau A, Vautrin D, **Estoup A**, Solignac M, Cornuet J-M, Brygoo Y (2002) Characterization of ten polymorphic microsatellite loci in the phytopathogenic fungus *Botrytis cinerea* (Ascomycotina). *Molecular Ecology Notes*, 2, 253-255.
- 46 - Dalecky A, Debout G, Mondor G, Rasplus JY, **Estoup A (2002)** PCR primers for polymorphic microsatellite loci in the facultatively polygynous plant-ant *Petalomyrmex phylax* (Formicidae). *Molecular Ecology Notes*, 2, 404-407.
- 47 - Debout G, Dalecky A, Mondor G, **Estoup A**, Rasplus -Y (2002) Isolation and characterization of polymorphic microsatellites in the tropical plant-ant *Cataulacus mckeyi*. *Molecular Ecology Notes*, 2, 459-461.
- 48 - Clegg SM, Degnan SM, Kikkawa J, Moritz C, **Estoup A**, Owens IPF (2002) Genetic consequences of sequential founder events by an island-colonizing bird. *Proceedings of the National Academy of Science USA*, 99, 8127-8132.
- 49 - Clegg SM, Degnan SM, Moritz C, **Estoup A**, Kikkawa J & Owens IPF (2002) Microevolution in island forms : the roles of drift and directional selection in morphological divergence of a passerine bird. *Evolution*, 56, 2090-2099
- 50 - Leblois R, **Estoup A**, Rousset F (2003) Influence of mutational and sampling factors on the estimation of demographic parameters under isolation by distance models : a coalescent-based simulation study of a method using individual genotypes. *Molecular Biology and Evolution*, 20, 491-502.

- 51 - **Estoup A**, Clegg S (2003) Bayesian inferences on the recent island colonisation history by the bird *Zosterops lateralis lateralis*. *Molecular Ecology*, 12, 657-674.
- 52 - Leblois R, **Estoup A** (2003) Invited commentary text, on the article by Wilson IJ, Weale ME, Balding DJ (2003) Inferences from DNA data: population histories, evolutionary processes, and forensic match probabilities. *Journal of the Royal Statistical Society A*, 166, 1-33.
- 53 - Solignac M, Vautrin D, Loiseau A, Mougél F, Baudry E, **Estoup A**, Garnery L, Habert M, Cornuet J-M (2003). Five hundred and fifty microsatellite markers for the study of the honeybee (*Apis mellifera* L.) genome. *Molecular Ecology Notes*, 3, 307-311.
- 54- Leblois R., Rousset F, **Estoup A** (2004) Influence of spatial and temporal heterogeneities on the estimation of demographic parameters in a continuous population from microsatellite data. *Genetics*, 166, 180-192.
- 55- Duran S, Pascual M, **Estoup A**, Turon X (2004). Strong population structure in the marine sponge *Crambe crambe* (Poecilosclerida) as revealed by microsatellite markers. *Molecular Ecology*, 13, 511-522.
- 56- Paetkau D, Slade R, Burden M, **Estoup A** (2004). Genetic assignment methods for the direct, real-time estimation of migration rate: a simulation-based exploration of accuracy and power. *Molecular Ecology*, 13, 55-65.
- 57 - Wilson ACC, Massonet B, Simon J-C, Prunier-Leterme N, Dollatti L, Llewellyn KS, Figueroa CC, Ramirez C, **Estoup A**, Sunnucks P (2004) Cross-species amplification of microsatellite loci in aphids : assessment and application. *Molecular Ecology Notes*, 4, 104-109.
- 58 - **Estoup A**, Beaumont M, Sennedot F, Moritz C, Cornuet J-M (2004). Genetic analysis of complex demographic scenarios : spatially expanding populations of the cane toad, *Bufo marinus*. *Evolution*, 58, 2021-2036.
- 59 - Piry S, Alapetite A, Cornuet J-M, Paetkau D, Baudouin L, **Estoup A** (2004) GeneClass2: a software for genetic assignment and first generation migrant detection. *Journal of Heredity*, 95, 536-539.
- 60 - Excoffier L, **Estoup A**, Cornuet J.-M. (2005) Bayesian analysis of an admixture model with mutations and arbitrarily linked markers. *Genetics*, 169, 1727-1738.
- 61 - Fournier D, Foucaud J, Loiseau A, Cross-Arteil S, Jourdan H, Orivel J, Le Breton J, Chazeau J, Dejean A, Keller L, **Estoup A** (2005) Characterization and PCR multiplexing of polymorphic microsatellite loci for the invasive ant *Wasmannia auropunctata*. *Molecular Ecology Notes*, 5, 239-242.
- 62 - Guillot G, **Estoup A**, Mortier F, Cosson J-F (2005) A spatial statistical model for landscape genetics. *Genetics*, 170, 1261-1280.
- 63 - Chapuis M-P, Loiseau A, Michalakis M, Lecoq M, **Estoup A** (2005) Characterization and PCR multiplexing of polymorphic microsatellite loci for the locust *Locusta migratoria*. *Molecular Ecology Notes*, 5, 554-557.
- 64 - Guillot G, Mortier F, **Estoup A** (2005) Geneland: a computer package for landscape genetics. *Molecular Ecology Notes*, 5, 712-715.
- 65 - Fournier D, **Estoup A**, Orivel J, Foucaud J, Jourdan H, Le Breton J, Keller L (2005) Clonal reproduction by males and females in the little fire ant, *Nature*, 435, 1167-1168. [contribution égale pour F.D. et E.A.].
- 66 - Facon B, Genton B, Shykoff J, Jarne P, **Estoup A**, David P (2006) A general eco-evolutionary framework for understanding bioinvasions, *Trends in Ecology and Evolution*, 21, 130-135.
- 67 - Cornuet J-M, Beaumont MA, **Estoup A**, Solignac M (2006) Inference on microsatellite mutation processes in the invasive mite, *Varroa destructor*, using reversible jump Markov Chain Monte Carlo. *Theoretical Population Biology*, 69, 129-144.
- 68 - Miller N, **Estoup A**, Toepfer S, Bourguet D, Lapchin L, Derridj S, Kim KS, Reynaud P, Furlan F, Guillemaud T (2005) Multiple Transatlantic Introductions of the Western Corn Rootworm. *Science*, 310, p. 992.
- 69 - Pérez-Portela R, Duran S, **Estoup A**, Turon X (2006) Polymorphic microsatellite loci isolated from the Atlanto-Mediterranean colonial ascidian *Pycnoclavella* sp (Ascidiacea, Tunicate). *Molecular Ecology Notes*, 6, 518-520.
- 70 - Miller N, Kim KS, Ratcliffe ST, **Estoup A**, Bourguet D and Guillemaud T (2006) Absence of Genetic Divergence Between Western Corn Rootworms Resistant and Susceptible to Control by Crop Rotation. *Journal of Economic Entomology*, 99, 685-690.
- 71 - Foucaud J, Jourdan H, Le Breton J, Loiseau A, Konghouleux D, **Estoup A** (2006) Rare sexual reproduction events in the clonal reproduction system of introduced populations of the little fire ant. *Evolution*, 60, 1646-57.

- 72 - Leblois R, **Estoup A**, Streiff R (2006) Genetics of recent habitat contraction and reduction in population size: does isolation by distance matter? *Molecular Ecology*, 15, 3602-3615.
- 73 - Dalecky A, Debout G, **Estoup A**, McKey DB, Kjellberg F (2007) Changes in mating system and social structure of the ant *Petalomyrmex phylax* are associated with range expansion In Cameroon. *Evolution*, 61, 579-595.
- 74 - Chapuis MP, **Estoup A** (2007) Microsatellite null alleles and estimation of population differentiation. *Molecular Biology and Evolution*, 24, 621-631.
- 75 - Pascual M, MP Chapuis MP, Mestres F, Balanyà J, Huey RB, GW Gilchrist GW, Serra L, **Estoup A** (2007) Introduction history of *Drosophila subobscura* in the New World: a microsatellite based survey using ABC methods. *Molecular Ecology*, 16, 3069-3083.
- 76 - Foucaud J, Fournier D, Orivel J, Delabie JHC, Loiseau A, Le Breton J, Kergoat GJ, **Estoup A** (2007). Sex and clonality in the little fire ant. *Molecular Biology and Evolution*, 24, 2465-2473.
- 77 - Lombaert E, Malausa T, Devred R, **Estoup A** (2007) Phenotypic variation in invasive and biocontrol populations of the Harlequin ladybird, *Harmonia axyridis*. *BioControl*, DOI10.1007/s10526-007-9131.
- 78 - Chapuis M-P, **Estoup A**, Augé-Sabatier A, Foucart A, Lecoq M, & Michalakis Y (2008) Genetic variation for parental effects on the propensity to gregarise in *Locusta migratoria*. *BMC Evolutionary Biology*, 8:37 - doi:10.1186/1471-2148-8-37.
- 79 - Bon MC, Jones W, Hurard H, Loiseau A, Ris N, Pickett C, **Estoup A**, Fauvergue X (2008) identification of 21 polymorphic microsatellites in the African parasitoid wasp, *Psytalia lounsburyi* Silvestri (Hymenoptera: Braconidae). *Molecular Ecology Resources*. doi: 10.1111/j.1755-0998.2008.02120.x
- 80 - Guillot G, Santos F, **Estoup A** (2008) Analysing georeferenced population genetics data with Geneland: a new algorithm to deal with null alleles and a friendly graphical user interface. *Bioinformatics*, 24, 1406-1407.
- 81 - Chapuis M-P, Lecoq M, Michalakis Y, Loiseau A, Sword G, Piry S, **Estoup A** (2008) Do Outbreaks Affect Genetic Population Structure? A worldwide survey in *Locusta Migratoria*, a pest plagued by microsatellite null alleles. *Molecular Ecology*, 17, 3640-3653.
- 82 - Cornuet J-M, Santos F, Robert PC, Marin J-M, Balding DJ, Guillemaud T, **Estoup A** (2008) Inferring population history with DIYABC: a user-friendly approach to Approximate Bayesian Computation. *Bioinformatics*, 24, 2713-2719.
- 83 - Gauffre B, **Estoup A**, Bretagnolle V, Cosson J-F (2008) Spatial genetic structure of a small rodent in a heterogeneous landscape. *Molecular Ecology*, 17, 4619-4629.
- 84 - Chapuis M-P, Popple J-A, Simpson SJ, **Estoup A**, Martin J-F, Steinbauer M, McCulloch L, Sword GA (2008) Eight polymorphic microsatellite loci for the Australian plague locust, *Chortoicetes terminifera*. *Molecular Ecology Resources*, 8, 1414-1416.
- 85 - Ciosi M, Miller NJ, Kim KS, Giordano R, **Estoup A**, Guillemaud T (2008) Invasion of Europe by the western corn rootworm, *Diabrotica virgifera virgifera*: multiple transatlantic introductions with various reductions of genetic diversity. *Molecular Ecology*, 17, 3614-3627.
- 86 - Lombaert E, Malausa T, Devred R, **Estoup A**. 2008. Phenotypic variation in invasive and biocontrol populations of the harlequin ladybird, *Harmonia axyridis*. *Biocontrol* 53: 89-102.
- 87 - Loiseau A, Malausa T, Lombaert E, Martin J-F, **Estoup A** (2009) Isolation and characterization of microsatellites in the harlequin ladybird *Harmonia axyridis* (Coleoptera, Coccinellidae) and cross-species amplification within the family Coccinellidae. *Molecular Ecology Resources*, 9, 934-937.
- 88 - Leblois R, **Estoup A**, Rousset F (2009) IBDSim: A computer program to simulate genotypic data under isolation by distance. *Molecular Ecology Resources*. 9, 107-109 doi: 10.1111/j.1755-0998.2008.02417.x.
- 89 - Chapuis M-P, Loiseau A, Michalakis Y, Lecoq M, Franc A, **Estoup A** (2009) Outbreaks, gene flow and effective population size in the migratory locust *Locusta migratoria* : a regional scale comparative survey. *Molecular Ecology*, 18, 792-800.
- 90 - Verdu P, Austerlitz F, **Estoup A**, Vitalis R, Georges M, Théry S, Alain Froment, Lebomin S, Gessain A, Hombert J-M, Van der Veen L, Quintana-Murci L, Bahuchet S, Heyer E (2009) Origins and Genetic Diversity of Pygmy Hunter-Gatherers from Western Central Africa. *Current Biology*. 19, 312 – 318. <http://dx.doi.org/10.1016/j.cub.2008.12.049>.
- 91 - Orivel, J Grangier, J Foucaud, J Le Breton, F-X Andrès, H Jourdan, JHC. Delabie, D Fournier, P Cerdan, B Facon, **A Estoup**, A Dejean (2009) Ecologically heterogeneous populations of the invasive ant *Wasmannia auropunctata* within its native and introduced ranges. *Ecological Entomology*, 34, 504-512.

- 92 - Vonshak M, Dayan T, Foucaud J, **Estoup A**, Hefetz A (2009) The interplay between genetic and environmental effects on colony insularity in the clonal invasive little fire ant *Wasmannia auropunctata*. *Behavioral Ecology and Sociobiology*, 63, 1667–1677.
- 93 - Foucaud J, Fournier D, Orivel J, Delabie JHC, Loiseau A, Le Breton J, **Estoup A** (2009) Reproduction system, social organization, human disturbance and invasive success in native populations of the little fire ant, *Wasmannia auropunctata*. *Molecular Ecology*, 18, 5059-5073.
- 94 - Male PJG, Loiseau A, **Estoup A**, Quilichini A, Orivel J. (2010) Characterization of polymorphic microsatellite loci in the neotropical plant-ant *Allomerus decemarticulatus* (Formicidae: Myrmicinae) and multiplexing with other microsatellites from the ant subfamily Myrmicinae. *European Journal of Entomology*, 107, 673-675.
- 95 - Foucaud J, **Estoup A**, Loiseau A, Rey O, Orivel J (2010). Thelytokous parthenogenesis, male clonality and genetic caste determination in the little fire ant: new evidence and insights from the lab. *Heredity*, 105, 205-212.
- 96 - Chapuis M-P, Crespin L, **Estoup A**, Augé-Sabatier A, Foucart A, Lecoq Y, Michalakakis Y (2010) Parental crowding influences life-history traits in *Locusta migratoria* females. *Bulletin of Entomological Research*, 100, 9-11.
- 97 - Guillemaud T., Beaumont M.A., Ciosi M., Cornuet JM, **Estoup A** (2010) Inferring introduction routes of invasive species using approximate Bayesian computation on microsatellite data. *Heredity*, 104, 88-99.
- 98 - Foucaud J, Orivel J, Loiseau A, Delabie JHC, Jourdan H, Konghouleux D, Vonshak M, Tindo M, Mercier J-L, Fresneau D, Mikissa J-B, McGlynn T, Thompson T, Mikheyev AS, Oettler J, **Estoup A** (2010) Worldwide invasion by the little fire ant: routes of introduction and eco-evolutionary pathways. *Evolutionary Applications*, 3, 363-374.
- 99 - Beaumont M, Nielsen R, Robert C, Hey J, Gaggiotti O, Knowles L, **Estoup A**, Panchal M, Corander J, Hickerson M, Sisson S, Fagundes N, Chikhi L, Beerli P, Vitalis R, Cornuet J-M, Huelsenbeck J, Foll M, Yang ZH, Rousset R, Balding D, Excoffier L (2010) In defense of model-based inference in phylogeography. *Molecular Ecology*, 9, 436-446.
- 100 - Lombaert E, Guillemaud T, Cornuet J-M, Malausa T, Facon B, **Estoup A** (2010) Bridgehead effect in the worldwide invasion of the biocontrol harlequin ladybird. *PLoS ONE*, 5, e9743, doi:10.1371/journal.pone.0009743.
- 101 - **Estoup A**, Baird SJE, Ray N, Currat N, Cornuet J-M, Santos F, Beaumont MA, Excoffier L (2010) Combining genetic, historical and geographic data to reconstruct the dynamics of bioinvasions: application to the cane toad *Bufo marinus*. *Molecular Ecology Resources*, 10, 886-901.
- 102 - Cornuet JM, Ravigné V, **Estoup A** (2010) Inference on population history and model checking using DNA sequence and microsatellite data with the software DIYABC (v1.0). *BMC bioinformatics*, 11, 401doi:10.1186/1471-2105-11-401.
- 103 - **Estoup A**, Guillemaud T (2010) Reconstructing routes of invasion using genetic data: why, how and so what? *Molecular Ecology*, 19, 4113-4130.
- 104- Lawson Handley LJ, **Estoup A**, Evans DM, Thomas CE, Lombaert E, Facon F, Aebi A, Roy HE (2011) Ecological genetics of invasive alien species. *Biocontrol*, 56, 409-428.
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