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Date of birth: 05/02/1979

Nationality: French

EDUCATION:

- 2010: **PhD in oceanography** at the Université de la Méditerranée Aix-Marseille II, France
Title: “**Conservation biology of the red coral, *Corallium rubrum*: impacts of the global changes on the evolution of the shallow populations in the North Western Mediterranean Sea**” (adv. Drs. JP. Féral, D. Aurelle, J. Garrabou)
- 2004: Master’s degree in “**Biology, Evolution and Control of populations**” at the Université de Tours.
Merit-based Scholarship (Grade A. 3/10)
- 2003: Fourth year of biological studies focused on Biology of Populations and Ecosystems (option: Evolutionary Biology) at the Université de Poitiers (France)
(upper second class honors. 1/37)
- 2002: Third year of Biological Studies focused on Biology of Populations and Ecosystems (option: Animal Physiology) at the Université de Poitiers (France)
(Grade B)
- 2001: Second year of Biological Studies at the Université de Poitiers (France)
(Grade B)
- 2000: First year of Biological Studies at the Université de Poitiers (France)
(Grade B)

RESEARCH EXPERIENCES:

- 2012- ...: Postdoctoral position: Evolution of marine biodiversity: linking genetic and phenotypic diversity. (adv. Dr. A. Antunes) in the Interdisciplinary Centre of Marine and Environmental Research-CIIMAR, Porto, Portugal.
- 2011-12: Postdoctoral position: How genetic and physiological factors influence the response to thermal stress of *Paramuricea clavata*? (adv. Dr J. Garrabou) in Institut de Ciències del Mar (ICM-CSIC), Barcelona, Spain. (12 months)

- 2004-10: PhD thesis: “Conservation biology of the red coral, *Corallium rubrum*: impacts of the global changes on the evolution of the shallow populations in the North Western Mediterranean Sea” (adv. Drs. JP. Féral, D. Aurelle, J. Garrabou) in UMR-6540-DIMAR, Centre d’Océanologie de Marseille, Station Marine d’Endoume, France.
- 2003-04: Master thesis: “Consequences of the protected development on the genetic structure of the subantarctic brooding sea-urchin *Abatus cordatus* (Verill, 1876), endemic of Kerguelen Island” (adv. J-P. Féral and A. Chenuil-Maurel.) in UMR-6540-DIMAR, Centre d’Océanologie de Marseille, Station Marine d’Endoume, France. (7 months)
- 2003: “Introduction to molecular biology techniques used to study the phylogeny of *Gracilaria*”, in UMR-EGPM, Station Biologique de Roscoff, France. (3 weeks)
- 2003: “Influence of micro phytoplankton (Diatomes) on the recruitment of *Calanus helgolandicus* (Copepoda)” (adv. S. Poulet) in IMZ team, Station Biologique de Roscoff, France. (10 weeks)
- 2001: “Participation in an ecological monitoring of a pearl farm” in the Ko Maisy farm in the Gulf of Thailand. (4 weeks)

PUBLICATIONS:

Published:

- 1) Poulet S., Wichard T., **Ledoux J.-B.**, Marchetti J., Dancie C., Bonnet D., Cueff A., Morin P., Pohnert G., (2006) Influence of diatoms on copepod reproduction. I. Field and laboratory observations related to *Calanus helgolandicus* egg production. *Marine ecological progress series* **308**, 129-142. (IF = 2.4)
- 2) Wichard T., Poulet S., Boulesteix A., **Ledoux J.-B.**, Lebreton B., Marchetti J., Pohnert G., (2008) Influence of diatoms on copepod reproduction. II. Uncorrelated effects of diatom-derived alpha,beta,gamma,delta-unsaturated aldehydes and polyunsaturated fatty acids on *Calanus helgolandicus* in the field. *Progress in Oceanography* **77**, 30-44. (IF = 3.512)
- 3) Garrabou J., Coma R., Bensoussan N., Chevaldonné P., Cigliano M., Diaz D, Harmelin J.-G., Gambi M.C., Kersting D. K., **Ledoux J.-B.**, Lejeusne C., Linares C., Marschal C., Perez T., Ribes M., Romano J.C., Teixido N., Serrano E., Torrents O., Zabala M., Zuberer F., Cerrano C. A., (2009) Mass mortality in NW Mediterranean rocky benthic communities: effects of the 2003 heat wave. *Global Change Biology* **15**, 1090-1103. (IF = 8 .444)
- 4) **Ledoux J.-B.**, Mokhtar-Jamaï K., Roby C., Féral J.-P., Garrabou J., Aurelle D., (2010) Genetic survey of shallow populations of the Mediterranean red coral (*Corallium rubrum* (Linnaeus, 1758)): new insights into evolutionary processes shaping nuclear diversity and implications for conservation. *Molecular Ecology* **19**, 675-690. (IF = 5.947)
- 5) **Ledoux J.-B.**, Garrabou J., Bianchimani O., Drap P., Féral J.P., Aurelle D., (2010) Fine-scale genetic structure and inferences on population biology in the threatened Mediterranean red coral, *Corallium rubrum*. *Molecular Ecology* **19**, 4204-4216. (IF = 5.947)
- 6) Aurelle D., **Ledoux J.-B.**, Rocher C., Borsa P., Chenuil A., Féral J.-P., (2011) Phylogeography of the red coral (*Corallium rubrum*): inferences on the evolutionary history of a temperate gorgonian. *Genetica*

139, 855-869. (IF = 1.343)

7) Mokhtar-Jamaï K., Pascual M., **Ledoux J.-B.**, Coma R., Féral J.-P., Garrabou J., Aurelle D., (2011) From global to local genetic structuring in the red gorgonian *Paramuricea clavata*: the interplay between oceanographic conditions and limited larval dispersal. *Molecular Ecology* **20**, 3291-3305. (IF = 5.947)

8) **Ledoux J.-B.**, Tarnowska K., Gérard K., Lhuillier E., Jacquemin B., Weydmann A., Féral J.-P., Chenuil A., (2012) Fine-scale spatial genetic structure in the brooding sea urchin *Abatus cordatus* suggests vulnerability of the Southern Ocean marine invertebrates facing global change. *Polar Biology* **35**, 611-623. (IF = 1.711)

9) Fouquet A., **Ledoux J.-B.**, Scotti-Saintagne C., Dubut V., Noonan B.P., Scotti I., (2012) The interplay of dispersal limitation, rivers and historical events shapes the genetic structure of an Amazonian frog. *Biological Journal of the Linnean Society* **106**, 356-373. (IF = 1.984)

10) **Ledoux J.-B.**, Aurelle D., Féral J.-P., Garrabou J., (2013) Molecular forensics in the precious Mediterranean red coral, *Corallium rubrum*: testing DNA extraction and microsatellite genotyping using dried colonies. *Conservation Genetics Resources* **5**, 327-330. (IF = 0.446)

11) Aurelle D., **Ledoux J.-B.** (2013) Interplay between isolation by distance and genetic clusters in the red coral *Corallium rubrum*: insights from simulated and empirical data *Conservation Genetics* **14**, 705-716. (IF = 2.040)

12) Haguenaer A., Zuberer F., **Ledoux J.-B.**, Aurelle D. (2013) Adaptive abilities of the Mediterranean red coral *Corallium rubrum* in an heterogeneous and changing environment: from population to functional genetics *Journal of Experimental Marine Biology and Ecology* **449**, 349-357. (IF = 1.796)

13) **Ledoux J.-B.**, Aurelle D., Marschal C., Féral J.-P., Garrabou J. (2015) Potential for adaptive evolution at species range margins: contrasting interactions between red coral populations and their environment in a changing ocean. *Ecology and Evolution* **5**, 1178-1192. (IF = 2.537)

14) Montero-Serra I, Linares C., García M., Pancaldi F., Frleta-Valicz M., **Ledoux J.-B.**, Zuberer F., Merad D., Drap P., Garrabou J. (2015) Harvesting effects, recovery mechanisms, and management strategies for a long-lived and structural precious coral. *Plos One*. e0117250. (IF = 4.411)

15) Arizmendi-Mejía R., Linares C., Garrabou J., Antunes A., Ballesteros E., Cebrian E., Díaz D., **Ledoux J.-B.** (2015) Combining genetic and demographic data for the conservation of a Mediterranean marine habitat-forming species. *Plos One*. e0119585. (IF = 4.411)

16) Arizmendi-Mejía R., **Ledoux J.-B.**, Civit S., Antunes A., Thanopoulou Z., Garrabou J., Linares C. (2015) Demographic responses to warming: reproductive maturity and sex influence vulnerability in an octocoral. *Coral Reefs* **34**, 1207-1216. (IF = 3.000)

17) Cahill A.E., Aurelle D., Boissin E., Bouzaza Z., David R., Dubois S., Dejode A., Egea E., Erga Z., **Ledoux J.-B.**, Merigot B., Weber A., Chenuil A. (2016) Determinants of connectivity in the marine environment: a multispecies approach. *Integrative And Comparative Biology* **56**, E29-E29. (IF = 3.520)

18) Casas-Guell E., Cebrian E., Garrabou J., **Ledoux J.-B.**, Linares C., Teixido N. (2016) Structure and biodiversity of coralligenous assemblages dominated by the precious red coral *Corallium rubrum* over broad spatial scales. *Scientific Reports* DOI:10.1038/srep36535 (IF = 5.525)

19) Giakoumi S., Guilhaumon F., Kark S., Terlizzi A., Claudet J., Felling S., Cerrano C., Coll M., Danovaro R., Frascchetti S., Koutsoubas D., **Ledoux J.-B.**, Mazor T., Merigot B., Micheli F.,

Katsanevakis S. (2016) Space invaders; biological invasions in marine conservation planning. *Diversity and Distributions* **22**, 1220-1231. DOI: 10.1111/ddi.12491 (IF = 4.566)

21) Drap P., Royer J.P., Nawaf M.M., Saccone M., Merad D., López-Sanz A., **Ledoux J.-B.**, Garrabou J. (2017) Underwater photogrammetry, coded target and plenoptic technology: A set of tools for monitoring red coral in Mediterranean Sea in the framework for the « Perfect » project. *International Archives of the Photogrammetry, Remote Sensing and Spatial Information* **42**, 275-282. DOI: 10.5194/isprs-archives-XLII-2-W3-275-2017 (H-index = 15)

22) Montero-Serra I., Garrabou J., Doak D.F., Figuerola L., Hereu B., **Ledoux J.-B.**, Linares C. (2017) Accounting for Life-History Strategies and Timescales in Marine Restoration. *Conservation Letters* **Advance on-line** DOI: 10.1111/conl.12341. (IF = 7.126)

23) Garrabou J., Sala E., Linares C., **Ledoux J.-B.**, Montero-Serra I., Dominici J.M., Kipson S., Teixido N., Cebrian E., Kersting D.K., Harmelin J.G. (2016) Re-shifting the ecological baseline for the overexploited Mediterranean red coral. *Scientific Reports* DOI:10.1038/srep42404 (IF = 5.525)

24) **Ledoux J.-B.**, Antunes A. Beyond the beaten path: improving natural products bioprospecting using an eco-evolutionary framework - the case of the octocorals. *Critical Review in Biotechnology* DOI:10.1080/07388551.2017.1331335 (IF = 7.510)

25) Crisci C., **Ledoux J.-B.**, Mokhtar-Jamaï K., Bally M., Bensoussan N., Aurelle D., Cebrian E., Coma R., Feral J.P., La Rivière M., Linares C., López-Sendino P., Marschal C., Ribes M., Teixidó N., Zuberer F., Garrabou J. Regional and local environmental conditions do not shape the response to warming of a marine habitat-forming species. *Scientific Reports*, **7**:5069 DOI: 10.1038/s41598-017-05220-4 (IF = 5.525)

26) Cahill A.E., De Jode A., Dubois S., Bouzazac Z., Aurelle D., Boissin E., Chabrole O., David R., Egea E., **Ledoux J.-B.**, Mérigot B., Weber A.A.T., Chenuil A. (in revision) A multispecies approach reveals hot-spots and cold-spots of diversity and connectivity in invertebrate species with contrasting dispersal modes. *Molecular Ecology* DOI: 10.1111/mec.14389 (IF = 5.947)

In revision:

x) **Ledoux J.-B.**, Frleta-Valic M., Kipson S., Antunes A., Cebrian E., Linares C., Sánchez P., Leblois R., Garrabou J. (in revision) Postglacial range expansion shaped the spatial pattern of genetic diversity in a marine habitat forming species along the Eastern Adriatic coast: implications for conservation. *Journal of Biogeography* (IF = 3.997)

COMMUNICATIONS IN CONFERENCES AND INVITED SEMINARS:

Posters:

1) **Ledoux J.-B.**, Aurelle D., Garrabou J., Marschal C., Feral J.-P., Evolutionary conservation biology: the case of *Corallium rubrum* in the North-Western Mediterranean Sea. Annual congress of PhD students in Environmental Sciences at the University of Aix-Marseille, Marseille. March 15-16 2005.

2) **Ledoux J.-B.**, Aurelle D., Garrabou J., Marschal C., Feral J.-P., Experimental approach to the potential response of a long-lived invertebrate species facing the climate change: the case of the Mediterranean red coral *Corallium rubrum* (L.). 41st European Marine Biology Symposium, University College Cork, Ireland, September 4-8 2006.

3) Perez T., Lejeusne C., Aurelle D., Bensoussan N., Boury-Esnault N., Chevaldonné P., Garrabou J., Harmelin J.G., Laubier L., **Ledoux J.-B.**, Marschal C., Romano J.C., Torrents O., Vacelet J. (2006) Évaluation des modifications de la biodiversité marine sous l'influence du changement global en Méditerranée nord-occidentale. Colloque de restitution IFB – GICC, Réponses adaptatives au changement global : résultats et prospective, September 18-20 2006.

Published in : Weber, J. (Ed.) Biodiversité et changement global – Réponses adaptatives au changement global : résultats et prospective.

4) Boury-Esnault N., Perez T., Romano J. C., Garrabou J., Chevaldonné P., Lejeusne C., Bensoussan N., **Ledoux J.-B.**, Aurelle D., Torrents O., Laubier L., Marschal C., Harmelin J.G., Vacelet J. (2006). Evaluation des modifications de la biodiversité marine sous l'influence du changement global en Méditerranée nord-occidentale. Colloque de restitution IFB – GICC, Réponses adaptatives au changement global : résultats et prospective, Paris, September 18-20 2006.

Published in : Weber, J. (Ed.) Biodiversité et changement global – Réponses adaptatives au changement global : résultats et prospective.

5) Garrabou J., Aurelle D., Bally M., Bensoussan N., Bianchimani O., Drap P., Graille R., Harmelin J.-G., Marschal C., **Ledoux J.-B.**, Torrents O., Vacelet J., *Conservation and management needs for populations of long-lived temperate coral under the effects of harvesting and climate change*. Society for Conservation Biology, 20th Annual meeting, San José. California, USA, 2006.

6) Garrabou J., Aurelle D., Bally M., Linares C., **Ledoux J.-B.**, Bianchimani O., Mokhtar-Jamaï K., Cebrian E., La Rivière M., Harmelin J.-G., Fourt M., Marschal C., Zuberer F., Romano J.-C., Bensoussan N., Drap P., Coma R., Serrano E., Teixido N., Merle P.-L., Forcioli D., Furla P., Zamoum T., Allemand D., Tambutté S., Tambutté E., Ferrier-Pagès C., Zabala M., 2009. *MEDCHANGE project. Evolution and conservation of marine biodiversity facing global change : the case of Mediterranean communities dominated by long-lived species*. 1st symposium on mediterranean coralligenous, Tabarka, Tunisie, January 15-16 2009.

Published In: *Proceeding of the 1st Mediterranean symposium on the conservation of the coralligenous and other calcareous bio-concretions*, January 15-16 2009, Tabarka, Tunisie (C. Pergent-Martini, M. Bricchet Eds.), RAC/SPA : Tunis.

7) Garrabou J., Aurelle D., Bally M., Linares C., **Ledoux J.-B.**, Bianchimani O., Mokhtar-Jamaï K., Cebrian E., La Riviere M., Harmelin J.-G., MEDCHANGE: an interdisciplinary project to promote Mediterranean marine biodiversity conservation face to global change. ASLO Aquatic Science Meeting, Nice, France, January 25-30 2009.

8) **Ledoux J.-B.**, Mokhtar-Jamaï K., Chenuil A., Feral J.-P., Garrabou J., Aurelle D., Genetic subdivisions of the red coral (*Corallium rubrum*) in the western Mediterranean Sea: Evolutionary history and management implications. CIESM Congress, Venice, Italy, May 10-14 2010.

Published In: *Proceeding of the CIESM congress* Venice, Italy, May 10-14 2010.

9) Aurelle D., Pratlong M., Mokhtar-Jamaï K., **Ledoux J.-B.** Can we estimate marine connectivity with genetic approaches? A case study on North Western populations of two Mediterranean gorgonians.

Poster and short oral presentation of the poster at the 40th CIESM congress, Marseille, France, october 28- november 1, 2013.

10) Aurelle D., Pratlong M., Mokhtar-Jamäi K., **Ledoux J.-B.** Connectivity in fragmented marine environments: a comparative approach between two low dispersal species. Poster at the XIV congress of the European Society for Evolutionary Biology, Lisbonne, Portugal, august 19-28, 2013.

11) Arizmendi-Mejía R., **Ledoux J.-B.**, Civit S., Antunes A., Thanopoulou Z., Garrabou J., Linares C. Responses of habitat-forming species to warming: vulnerability of a Mediterranean anthozoa during reproduction. 2nd International Ocean Research Conference (IORC), Barcelona, Spain, November 16-21 2014.

12) Cahill A., Aurelle D., Boissin E., De Jode A., Egea E., Erga Z., David R., Dubois S., **Ledoux J.-B.**, Mérigot B., Weber A., Chenuil A. Determinants of connectivity in the marine environment: a multispecies approach. XVth European Society for Evolutionary Biology (ESEB) Meeting Lausanne, Switzerland, August 10-14th 2015.

13) Cahill A., Aurelle D., Boissin E., De Jode A., Egea E., Erga Z., David R., Dubois S., **Ledoux J.-B.**, Mérigot B., Weber A., Chenuil A. Determinants of connectivity in the marine environment: a multispecies approach. Annual meeting of the Society for integrative and comparative biology (SICB) Portlan, United States of America, January 3-7th 2016.

Talks:

1) **Ledoux J.-B.**, Aurelle D., Feral J.-P., Garrabou J., Evolutionary conservation biology of *Corallium rubrum*. Recent Advances In Conservation Genetics, Hawaii Institute of marine Biology, USA, January 7-20 2007.

2) Mokhtar-jamai K., **Ledoux J.-B.**, Garrabou J., Féral J.-P., Aurelle D., Interest and application of genetic markers for the study and conservation of Mediterranean sessile invertebrates. First Mediterranean symposium on the conservation of the coralligenous and other calcareous bioconcretions, Tabarka, Tunisie, January 15-16 2009.

Published In: *Proceeding of the 1st Mediterranean symposium on the conservation of the coralligenous and other calcareous bio-concretions*, January 15-16 2009, Tabarka, Tunisie (C. Pergent-Martini, M. Bricchet Eds.), RAC/SPA : Tunis.

3) Linares C., Garrabou J., Coma R., Bianchimani O., Serrano E., Cebrian E., **Ledoux J.-B.**, Marschal C., Ribes M., Teixido N., Mass mortality events in NW Mediterranean gorgonian populations: understanding the impact and potential recovery through a demographic approach. ASLO Aquatic Science Meeting, Nice, France, January 25-30 2009.

4) **Ledoux J.-B.**, Aurelle D., Feral J.-P., Garrabou J., Marschal C., Experimental approach to the potential response of a long-lived invertebrate species facing the warming in the NW Mediterranean. CIESM Congress, Venice, Italy, May 10-14 2010.

Published In: *Proceeding of the CIESM congress Venice, Italy, May 10-14 2010.*

5) **Ledoux J.-B.**, Aurelle D., Linares C., Féral J.-P., Garrabou J., Evolutionary conservation biology of the Mediterranean coralligenous communities. World Conference on Marine Biodiversity, Aberdeen, Scotland, UK, September 26-30 2011.

- 6) **Ledoux J.-B.**, Aurelle D., Linares C., Féral J.-P., Garrabou J., Evolutionary conservation biology of the red coral. Trend in Biodiversity and Evolution: New challenges in conservation genetics, CIBIO, Porto, Portugal, December 5-6 2011.
- 7) **Ledoux J.-B.**, Mokhtar-Jamai K., Pratlong M., Antunes A., Aurelle D. (**Invited speaker**) Conservation biology of longlived marine species: what can we learn from population genetics studies? Symposium on Integrating New Advances in Mediterranean Oceanography and Marine Biology (MEDOCEAN), Barcelona, Spain, November 26-29 2013.
- 8) Arizmendi-Mejía R., Linares C., Garrabou J., **Ledoux J.-B.** What can be learned from the study of connectivity and demography of sessile organisms for the design of marine conservation measures? A case study of the Mediterranean red gorgonian. Symposium on Integrating New Advances in Mediterranean Oceanography and Marine Biology (MEDOCEAN), Barcelona, Spain, November 26-29 2013.
- 9) Linares C., Arizmendi R., Ballesteros E., Bensoussan N., Cebrian E., Coma R., Díaz D., Hereu B., Kersting D.K., **Ledoux J.-B.**, Teixidó N., Zabala M., Garrabou J. The role of Marine Reserves in protecting long-lived and structural species under a warming world: lessons from the Mediterranean Sea. Talk. IMPAC3 3rd International Marine Protected Areas Congress, Marseilles-Corsica, France October 21-27 2013.
- 10) Garrabou J., Bally M., Bensoussan N., Casas E., Cebrian E., Crisci C., Kersting D.K., Kipson S., **Ledoux J.-B.**, La Rivière M., Linares C., Teixidó N. (2013) Conservation of Mediterranean coralligenous assemblages. 15^{èmes} Journées Association Tunisienne de Sciences de la Mer, Mehida, Tunisia. December 14-17 2013.
- 11) Montero-Serra I, Linares C., García M., Pancaldi F., Frleta-Valicz M., **Ledoux J.-B.**, Zuberer F., Merad D., Drap P., Garrabou J. (2014) Harvesting, climate change and the future of Mediterranean red coral populations. International Marine Conservation Congress, Glasgow, United Kingdom August 15-18 2014.
- 12) Linares C., Arizmendi-Mejia R., Ballesteros E, Cebrian E., Coma R., Diaz D., Hereu B., Kipson S., Kersting D., **Ledoux J.-B.**, Teixido N., Thanapoulou Z., Garrabou J. (2014) Response of coralligenous to global change: Evidences from field and experiment studies in gorgonian forests. Symposium on the conservation of coralligenous and other calcareous bio-concretions, Portoroz, Slovenia, October 29-30 2014.
- 13) **Ledoux J.-B.**, Aurelle D., Arizmendi-Mejia R., Frleta-Valic M., Linares C., Mokhtar-Jamai K., Pralong M., Antunes A., Garrabou J. (2014) Population genetics studies over contrasted spatial scales of two structural gorgonian species from the coralligenous: state-of-the-art and conservation implications. Symposium on the conservation of coralligenous and other calcareous bio-concretions, Portoroz, Slovenia, October 29-30 2014.
- 14) Frleta-Valic M., Kipson S., Linares C., Cebrian E., Antunes A., **Ledoux J.-B.** (2014) "Population genetics of *Paramuricea clavata* (Risso, 1826) i the eastern Adriatic Sea: Implications for its conservation and management". Symposium on the conservation of coralligenous and other calcareous bio-concretions, Portoroz, Slovenia, October 29-30 2014.
- 15) Montero-Serra I., Cristina Linares C., Garcia M., Pancaldi F., Frelta-Valic M., **Ledoux J.-B.**, Zuberer F., Merad D., Drap P., Garrabou J. (2014) Long-term demographic traits of red coral populations in the NW Mediterranean: Insights into management strategies. Symposium on the conservation of coralligenous and other calcareous bio-concretions, Portoroz, Slovenia, October 29-30 2014.

16) Ledoux J.-B., Garrabou J., Arizmendi-Mejia R., Frleta-Valic M., Linares C., Mokhtar-Jamai K., Pralong M., Antunes A., Aurelle D. (2014) Population genetics can enhance the management of a marine community with high socio-economical value. 2nd International Ocean Research Conference (IORC), Barcelona, Spain, November 16-21 2014.

17) Montero-Serra I., Cristina Linares C., Garcia M., Pancaldi F., Frleta-Valic M., **Ledoux J.-B.**, Zuberer F., Merad D., Drap P., Garrabou J. (2014) Harvesting, climate change and the future of Mediterranean red coral populations. 2nd International Ocean Research Conference (IORC), Barcelona, Spain, November 16-21 2014.

18) Garrabou J., Bensoussan N., Linares C., Cebrian E., Kipson S., Teixido N., Romano J.-C., Ramos-Espla A., Kersting D., Riera i Arago V., Payrot J., Blouet S., Bachet F., Charbonnel E., Zuberer F., Pairaud I., Sartoretto S., Bergere H., Houard T., Dominici J.-M., Negre-Santucci N., Harmelin J.-G., Ruiz J.-M., Reñones O., **Ledoux J.-B.**, Zabala M., Topcu E., Ozturkb B., Sini M., Bensoussi J., Ghanem R., Ocaña O., Diaz D., Kizilkaya Z. (2014) "T-MedNet: a temperature network for high resolution and long term monitoring of Mediterranean coastal waters stratification. Monitoring for managing Mediterranean Marine Protected Areas (MPAs). MedPAN network regional experience-sharing workshop. Tirana, Albania, November 25-27 2014.

19) Ledoux J.-B., Frleta-Valic M., Kipson S., Antunes A., Cebrian E., Linares C., Sánchez P., Leblois R., Garrabou J. (2016) Postglacial range expansion shaped the spatial pattern of genetic diversity in a marine habitat forming species along the Eastern Adriatic coast: implications for conservation. SFEcologie-2016 International Conference on Ecological Sciences. 24-28 octobre 2016.

20) Montero-Serra I., Linares C., Doak D.F., **Ledoux J.-B.**, Drap P., Garrabou J. (2016) Ecology, evolution and conservation of species with extreme life-histories: the emblematic Mediterranean red coral *Corallium rubrum*. SFEcologie-2016 International Conference on Ecological Sciences. 24-28 octobre 2016

21) Garrabou J., Cebrian E., Gori A., **Ledoux J.-B.**, López A., Linares C., Montero Serra I. and Micheli F. (2016) Are marine protected areas effective to cope with the effects of climate change in temperate rocky marine benthic ecosystems? 100th Western Naturalists Society 11-13th November 2016 Monterey (United States)

22) Linares C., Kersting DK., Montero-Serra I., Cebrián E., **Ledoux J.-B.**, Teixidó N., Garrabou J. (2016) Multiple stressors on temperate corals: insights from experimental, observational and modelling studies. 13th International Coral Reef Symposium, 19-24 June, 2016 Hawaii (United States)

23) Medrano A., Riera JL., Aspillaga E., Bensoussan N., Capdevila P., Cebrián E., Coma R., Díaz D., Hereu B., Garrabou J., **Ledoux J.-B.**, Montero I., Teixidó N., Serrano E., Linares C. (2016) Viabilitat dels boscos de gorgònia vermella a llarg termini davant fortes pertorbacions. Planeta Oceà. XXXII Trobades científiques de la Mediterrània. Menorca, Balearic Island. October 2016.

Invited seminars:

1) Ledoux J.-B., Aurelle D., Feral J.-P., Garrabou J. Conservation biology of the red coral, *Corallium rubrum* (Linnaeus, 1758): Evolution of the shallow populations facing the global change in the North-Western Mediterranean Sea. GEOMAR Helmholtz Centre for Ocean Research Kiel, Germany, 2010.

2) Ledoux J.-B., Aurelle D., Feral J.-P., Garrabou J. Conservation biology of the red coral, *Corallium*

rubrum (Linnaeus, 1758): Evolution of the shallow populations facing the global change in the North-Western Mediterranean Sea. Instituto de Ciencias del Mar ICM-CSIC, Barcelona, Spain, 2011.

3) **Ledoux J.-B.**, Aurelle D., Feral J.-P., Garrabou J. Conservation biology of the red coral, *Corallium rubrum* (Linnaeus, 1758): Evolution of the shallow populations facing the global change in the North-Western Mediterranean Sea. Universitat de Barcelona, departament de Genetica, Barcelona, Spain, 2011.

4) **Ledoux J.-B.**, Aurelle D., Feral J.-P., Garrabou J. Conservation biology of the red coral, *Corallium rubrum* (Linnaeus, 1758): Evolution of the shallow populations facing the global change in the North-Western Mediterranean Sea. CIIMAR – Interdisciplinary Centre of Marine and Environmental Research Porto, Portugal, 2011.

WORKSHOP AND SUMMER COURSES ATTENDED:

- 2013: Barcelona Summer School in Genomics and Bioinformatics; Universitat Pompeu Fabra; Barcelona (Spain) 16-20 September 2013.
- 2011: Introduction to WinBUGS for Ecologists: A Bayesian approach to regression, ANOVA, mixed models and related analyses; Catalan Ornithological Institute, Barcelona (Spain) 12-16 December 2011.
- 2007: ConGen course: Recent Advances in Conservation Genetics; American Genetics Association, Hawaii Institute of marine Biology, USA, January 7-20 2007.
- 2005: REX Marine Genomics Europe Course: Expression Analysis Using Microarray Technology; CeBiTech, Bielfield University, Germany, October 10-14 2005.
- 2005: Professional Scientific Diving Licence (Certificat d’Aptitude à l’Hyperbarie classe 1B and Chef de Plongée Scientifique)
- 2004: Population Genetic and Evolution applied to Marine Organisms under the supervision of Dr. François Bonhomme; Université de Montpellier II (40h).

TEACHING:

- 2012-2015: Population genetics, Master Gestio i restoracio del medi natural (2h CM + 2h TD) Universitat de Barcelona (Spain) Title of the course: “Metapopulation and population genetics: how can we use genetic data to answer ecological questions?”
- 2008: Population genetics, Master Biologie et Ecologie Marine (TD 16h) Université de la Méditerranée Aix-Marseille II (France)
Introduction to population dynamics and to population genetics, Licence Science de la Mer et Environnement (TD 16h) Université de la Méditerranée Aix-Marseille II (France)
- 2007: Population genetics, Master Biologie et Ecologie Marine (TD 18h) Université de la Méditerranée Aix-Marseille II (France)

STUDENTS SUPERVISED or CO-SUPERVISED:

- 2006: Weydmann, Agata (Gdask University, Poland) Undergraduate Student (co-supervised with Drs. J-P. Féral and A. Chenuil)
- 2009: Mokhtar-Jamai, Kenza (Université d'Aix-Marseille II, France) Master Student (co-supervised with Drs. J-P. Féral, D. Aurelle and J. Garrabou)
- 2011: Luque, Laura (Universitat de Barcelona, Spain) Undergraduate Student
- 2012: Frleta - Valic, Maša (Zagreb University, Croatia) Master Student
- 2013: Casado Bueno, Clara (Universitat de Barcelona, Spain) Voluntary internship (co-supervised with Dr. C. Linares)
- 2013-2014: Frias, Silvia (Universitat de Barcelona, Spain) Master Student
- 2012-2015: Arizmendi, Rosana (Universitat de Barcelona, Spain) PhD Student (co-supervised with Drs. C. Linares and J. Garrabou)
- 2015-2016: Ruiz, Carlota (Universitat de Barcelona, Spain) Master Student
- 2016-2017: Nebot, Elisabet (Master SDUEE University Pierre et Marie-Curie (Paris IV), France) Master student
- 2017 : Stipoljev, Sunčica (Zagreb University, Croatia) Master Student

SERVICE ACTIVITIES AND OTHERS:

Manuscripts reviewed for Aquatic Conservation: Marine and Freshwater Ecosystems, Conservation Biology, Conservation Genetics Resources, Evolutionary Applications, Heredity, Marine Biodiversity Records, Marine Biology, Marine Environmental Research, Molecular Ecology, PlosOne, Polar Biology.

Grant reviewed for the Israel Science Foundation.

Participation in scientific expeditions.

Fieldwork using SCUBA diving (sampling, *in situ* experiments, photogrammetry, gathering of demographic data...).

Experimental work in aquaria (bioassays, thermal stress experiments...).