

## Sarah LEMER, Ph.D

Personal details			
Full name	Sarah Lemer		
Present position	Assistant Professor of Marine Invertebrate Genomics		
Organization	University of Guam		
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Nationality	French		

### HIGHER EDUCATION

- 2011 **Ph.D. Magna cum Laude: Genetics, Biodiversity and Evolution**  
Ecole Pratique des Hautes Etudes, Sorbonne - CRIOBE-USR3278 - LABEX CORAIL, France
- 2006 **M.Sc. Magna cum Laude: Oceanography, Biology and Marine Ecology**  
University of Aix-Marseille II, France
- 2004 **B.Sc. Biology of Marine organisms**  
University of Aix-Marseille II - University Louis Pasteur of Strasbourg, France

### WORK EXPERIENCE and RELEVANT RESEARCH TOPICS

- 2020 - Present **Assistant Professor of Marine Invertebrate Genomics** – University of Guam Marine Laboratory.
- Population genomics of coral reef species under threat from global climate change
  - Transcriptomic and epigenomics of coral acclimation to heat stress
  - Role of phenotypic plasticity in heat resistance in scleractinian corals
- 2019- Present **Research Associate** – Smithsonian, National Museum of Natural History.
- Sequencing and annotating invertebrate genomes
- 2014- Present **Research Associate** – Museum of Comparative Zoology - Harvard University, Dept. of Organismic and Evolutionary Biology.
- Mollusca Phylogenomics
  - Phylogenomics of Cardiidae : Evolution of photosymbiosis in bivalves
  - Bivalvia Phylogenomics
  - Population genomics of Nautilidae
  - Transcriptomics processes involved in bivalve shell regeneration
- 2016 - 2020 **Senior Research Faculty of Genomics** - University of Guam Marine Laboratory.
- Population genomics of coral reef species under threat from global climate change
  - Transcriptomic of coral acclimation to heat stress
- 2012 – 2014 **Post-doctoral Associate** - Harvard University, Dept. of Organismic and Evolutionary Biology
- Phylotranscriptomics and population genomics of marine invertebrates.
- 2011 – 2012 **Post-doctoral Fellow** - French National Center of Scientific Research (CNRS), France
- Transcriptomic processes involved in shell color in the pearl oyster *Pinctada margaritifera*.
- 2008 – 2011 **Ph.D. Candidate** - Ecole Pratique des Hautes Etudes (Sorbonne), France
- Genetic connectivity and historical demography of fragmented populations: tools to evaluate the impact of aquaculture on wild populations of the pearl oyster *Pinctada margaritifera* in French Polynesia.

- 2006 – 2008 **Research assistant** - Research and Development Institute (IRD), New-Caledonia.
- Implementing genetic tools to identify commercial reef fish larvae of New Caledonia
- 2004 – 2006 **Master research thesis** - Marine Station of Endoume, France & IRD Institute, New-Caledonia.
- Phylogeography of the reef fishes of the genus *Siganidae* in the Indo-Pacific
- 2004 **B.Sc. 3<sup>rd</sup> year research thesis** - Marine Station of Endoume, France.
- Histological characterization of reproductive stages of sponges of the genus *Aplysina*.
- 2003 **B.Sc. 2<sup>nd</sup> year research thesis** - Marine Station of Endoume, France.
- Evo-Devo: Identification of Antennapedia genes in Homoscleromorph sponges

**PUBLICATIONS:** \* graduate student lead; \*\*undergraduate student lead

**Total number of citations 620 / h-index: 15 / i10-Index : 16**

#### In Review

1. V. Fabian\*\*, P. Houk, **S. Lemer**. Resolving the Phylogenetic Relationship of Micronesian Emperor Fishes. *In review : Molecular Phylogenetics and Evolution*
2. N. Galanto\*\*, C. Sartor\*, V. Moscato\*, **S. Lemer**. Effect of Heat Stress on Reproduction and Larvae Settlement in the *Leptastrea purpurea*. *In review : Coral Reefs*

#### Published

25. J. Moles, T.J. Cunha, **S. Lemer**, D. Combosch, G. Giribet. **2021**. Tightening the girdle : Phylotranscriptomics of Polyplacophora. *Journal of Molluscan Studies – Accepted, in print*
24. J. Fifer\*, B. Bentlage, **S. Lemer**, A. Fujimura, M. Sweet, L. Raymundo. **2021**. Going with the flow: Corals in high-flow environments can beat the heat. *Molecular Ecology* <https://doi.org/10.1111/mec.15869>
23. P. Houk, **S. Lemer**, D. Hernandez, J. Cuetos-Bueno. **2021**. Evolutionary management of coral-reef fisheries using phylogenies to predict density dependence. *Ecological applications – Accepted, in print*
22. J. Li; **S. Lemer**; L. Kirkendale; R. Bieler; C. Cavanaugh; G. Giribet. **2020**. Shedding light: A phylotranscriptomic perspective illuminates the origin of photosymbiosis in marine bivalves. *BMC Evolutionary Biology*. 20, 1-15
21. C. Laumer, R. Fernandez, **S. Lemer**, D. Combosch, K. Kocot, A. Riesgo, S. Andrade, W. Sterrer, M. Sorensen, G. Giribet. **2019**. Revisiting metazoan phylogeny with genomic sampling of all phyla. *Proceedings of the Royal Society B*: 286
20. **S. Lemer**, R. Bieler, G. Giribet. **2019**. Resolving the relationships of clams and cockles: dense transcriptome sampling drastically improves the bivalve tree of life. *Proceedings of the Royal Society B*: 283
19. T. Cunha\*, **S. Lemer**, P. Bouchet, Y. Kano, G. Giribet. **2019**. Putting keyhole limpets on the map: Phylogeny and biogeography of the global marine family Fissurellidae (Vetigastropoda, Mollusca). *Molecular Phylogenetics and Evolution*; 135:249-269
18. D. Combosch, **S. Lemer**, N. Landman, P. Ward, G. Giribet. **2017**. Genomic signatures of evolution in the living fossil Nautilus. *Molecular Ecology*, 26:5923-5938. **Shared first authorship**
17. PUPA. Gilbert, K.D. Bergmann, C.E. Myers, R.T. DeVol, C.Y. Sun, A.Z. Blonsky, J. Zhao, E.A. Karan, E. Tamre, N. Tamura, M.A. Marcus, A.J. Giuffre, **S. Lemer**, G. Giribet, J.E. Eiler, A.H. Knoll. **2017**. Nacre tablet thickness records formation temperature in modern and fossil shells. *Earth and Planetary Science Letters*; 460:281-292
16. D. Combosch; T.M. Collins; E.A. Glover; D.L. Graf; E.M. Harper; J.M. Healy; G.Y. Kawauchi; **S. Lemer**; E. McIntyre; E.E. Strong; J.D. Taylor; J.D. Zardus; P.M. Mikkelsen; G. Giribet, R. Bieler. **2017**. A family-level Tree of Life for bivalves based on a Sanger-sequencing approach. *Molecular Phylogenetics and Evolution*, 107: 191-208

15. **S. Lemer**, D. Combosch, D. Dumale, F. Sotto, V. Soliman, G. Giribet. **2016**. The family Pinnidae (Mollusca, Bivalvia) in the Philippine archipelago: observations on its distribution and phylogeography. *The Nautilus*, 130:4.
  14. **S. Lemer**, V. González, R. Bieler, G. Giribet. **2016**. Cementing mussels to oysters in the pteriomorphian tree: phylogenomic approach. *Proceedings of the Royal Society B*, 283:1833
  13. **S. Lemer**, D. Saulnier, Y. Gueguen, S. Planes. **2015**. Identification of genes associated with shell color in the black-lipped pearl oyster, *Pinctada margaritifera*. *BMC Genomics*, 16:568
  12. **S. Lemer**, GY. Kawauchi, CS Andrade, MJ Boyle, G. Giribet. **2015**. Re-evaluating the phylogeny of Sipuncula through transcriptomics. *Molecular Phylogenetics and Evolution*, 83: 174-183
  11. R. Fernandez, **S. Lemer**, G. Giribet. **2015**. Comparative phylogeography and population genetic structure of three widespread mollusc species in the Mediterranean and near Atlantic. *Marine Ecology*, 36: 701-715.
- Shared first authorship**
10. **S. Lemer** & G. Giribet. **2014**. Occurrence of a Bivalve-inhabiting marine hydrozoan (Hydrozoa, Hydroidolina, Leptothecata) in the amber pen-shell *Pinna carnea* Gmelin, 1791 (Bivalvia, Pteriomorphia, Pinnidae) from Bocas del Toro. *Journal of Molluscan Studies*, 80: 464-468
  9. G. Giribet, **S. Lemer**. **2014**. On the occurrence of *Tuleocaris neglecta* Chace, 1969 (Decapoda, Palaemonidae, Pontoniinae) in *Echinometra lucunter* (Linnaeus, 1758) (Echinodermata, Echinoidea, Echinometridae) in the archipelagos of Bocas del Toro, Panama. *Crustaceana*, 87: 634-638
  8. **S. Lemer** & S. Planes. **2014**. Effects of habitat fragmentation on the genetic structure and connectivity of the black-lipped pearl oyster *Pinctada margaritifera* populations in French Polynesia. *Marine Biology*, 161: 2035-2049
  7. **S. Lemer**, B Buge, A. Bemis, G. Giribet. **2014**. First molecular phylogeny of the circumtropical bivalve family Pinnidae (Mollusca, Bivalvia): evidence for high levels of cryptic species diversity. *Molecular Phylogenetics and Evolution*, 75: 11-23
  6. **S. Lemer** & S. Planes. **2012**. Translocation of wild populations: conservation implications for the genetic diversity of the black-lipped pearl oyster *Pinctada margaritifera*. *Molecular Ecology*, 21: 2949-2962
  5. A.C. Stier, M.A. Gil, C.S. McKeon, **S. Lemer**, M. Leray, S.C. Mills, C.W. Osenberg. **2012**. Housekeeping mutualisms: do more symbionts facilitate host performance? *PLoS ONE* 7(4):e32079. doi:10.1371/journal.pone.0032079
  4. **S. Lemer**, E. Rochel, S. Planes. **2011**. Correction method for null alleles in species with variable microsatellite flanking regions, a case study of the black-lipped pearl oyster *Pinctada margaritifera*. *Journal of Heredity*, 102 (2) 243-246
  3. S. Planes & **S Lemer**. **2011**. Individual-based analysis opens new insights into understanding population structure and animal behaviour. *Molecular Ecology*, 20: 187-189
  2. P. Borsa, **S Lemer**, D. Aurelle. **2007**. Patterns of lineage diversification in rabbitfishes. *Molecular Phylogenetics and Evolution*, 44: 427-435.
  1. **S. Lemer**, D. Aurelle, L. Vigliola, J.D. Durand, P. Borsa. **2007**. Cytochrome b barcoding, molecular systematics, and geographic differentiation in rabbitfishes (Siganidae). *Comptes Rendus Biologies*, 330 (1): 86-94.

## **TEACHING**

2020 - Present	<b>Marine Invertebrate Biology</b> , Graduate Program: University of Guam
2017 - Present	<b>Introduction to Biogeography</b> , Graduate Program: University of Guam
2014 - Present	<b>Certified Lecturer</b> : for "Biology of Organisms" and "Biology of populations and Ecology": French Ministry of Advanced Education and Research
2014 – 2016	<b>Genetics, Genomics and Evolution (TF)</b> , Undergraduate Program: Harvard University
2013 -2015	<b>Invertebrate Zoology (TF)</b> , Graduate Program: Harvard University
2009– 2011	<b>Introduction to population genetics</b> , Undergraduate Program : Ecole Pratique des Hautes Etudes (Sorbonne), France

## **STUDENT ADVISING**

### **PhD Students**

2016-2019 *Pierre Louis Stenger*, Université de Paris Science Lettre, France. **Committee member**

### **Masters Students**

2021- Present *Kenzie Pollard* : University of Guam Marine Laboratory. **Advisor**  
2018- Present *Constance Sartor* : University of Guam Marine Laboratory. **Advisor**  
2017-2020 *Victoria Moscato*: University of Guam Marine Laboratory. **Advisor (Graduated 12/2020)**  
2010 – 2011 *Celia Mathot* : Ecole Pratique des Hautes Etudes, Sorbonne, France. **Advisor**  
2017 - Present *Franck Roberto, Julia Berg, Karim Primov, Dareon Rios, Melissa Gabriel, Colin Lock, Claire Moreland*. University of Guam Marine Laboratory. **Committee member**

### **Undergraduate Students**

2021 *Laura Caser*, University of Guam. **Advisor**  
2020 *Nikko Galanto*: University Guam. **Advisor**  
2019 *Naomi Borg, Mykel Lizama*, University of Guam. **Advisor**  
2018 - 2019 *Vince Fabian, Jasmin Rotan, Charles Hambley*, University of Guam. **Advisor**  
2018 *Joanna Panaguiton*, University of Guam. **Advisor**

## **INVITED CONFERENCE AND SEMINAR TALKS**

2020 **Northeastern University Marine Science Center, MA -USA**  
• *Molecular Mechanisms behind bleaching disparity in conspecific corals*

2020 **SCRIPPS Institution of COenaography, UC san Diego, CA -USA**  
• *Bleaching Inequality in Conspecific Corals*

2020 **Reef Conservation UK, Zoological Society of London, Plenary Speaker**  
• *Insight into Bleaching Disparity among Conspecific Corals*

2020 **American Museum of National History, Comparative Biology Seminar**  
• *Transcriptomic and Epigenetic Mechanisms of Coral Acclimation to Heat Stress*

2020 **Friday Harbor Labs Summer Seminar Series**  
• *Transcriptomic and Epigenetic Mechanisms of Coral Acclimation to Heat Stress*

2019 **World Congress of Malacology, Monterey, CA: Panel**  
• *Working in Academia when being non-native + Develop International Collaborations*

2019 **Conference on Island Sustainability X, Guam.**  
• *Marine Science in Guam. Chair*

2018 **Society for the Advancement of Chicanos & Native Americans in Science (SACNAS)**  
• *Marine genomics symposium. Chair*

2017 **Swire Institute of Marine Science, Special Seminars - Hong Kong University**  
• *Evolutionary Genomics and the EPSCoR Guam Ecosystem Collaboratorium*

2017 **Poets Club Public Talks- University of Guam Marine Laboratory**  
• *The Mystery of the Black Pearls: An in-depth Exploration of the Black-lipped Pearl Oyster*

2015 **Museum of Comparative Zoology - Harvard University, Cambridge, USA**  
• *Transcriptomes as tools to reconstruct phylogenetic relationships of non-model species*

### CONFERENCE TALKS

- 2021 **United Nation Decade of Oceans Sciences Symposium**, virtual symposium
- *The Guam Ecosystem Collaboratorium for Corals and Oceans*
- 2019 **World Congress of Malacology**, Monterey, CA: **S. Lemer**, D. Combosch, G. Giribet
- *Genomic Signatures of Evolution in Nautilus, An Endangered Living Fossil*
- 2019 **World Congress of Malacology**, Monterey, CA: **S. Lemer**, R. Bieler, G. Giribet
- *Resolving the Relationships of Clams and Cockles with Transcriptome Data*
- 2019 **Evolution meeting**, Providence. RI. **S. Lemer**, D. Combosch, G. Giribet
- *Population Genomics of Nautilus, An Endangered Living Fossil*
- 2018 **Asia Pacific Coral Reef Symposium**, Philippines: **S. Lemer**, D. Combosch, B. Lemos.
- *Epigenetic modifications in Acropora digitifera during heat acclimation*
- 2018 **Guam Coral Reef Symposium**, Guam: **S. Lemer**, D. Combosch, B. Lemos
- *Differential gene expression in Acropora digitifera during heat acclimation*
- 2017 **European Coral Reef Symposium**, United Kingdom: **S. Lemer**, D. Combosch, B. Lemos
- *Differential gene expression in Acropora digitifera during heat acclimation*
- 2016 **World Congress of Malacology**: **S. Lemer** & G. Giribet
- *Cementing mussels to oysters in the pteriomorphian tree: a phylogenomic approach*
- 2013 **World Congress of Malacology**: **S. Lemer** & G. Giribet
- *Patterns of diversification in the family Pinnidae*
- 2012 **International Coraf Reef Symposium**: **S. Lemer** , S. Planes
- *Reconstructing the historical demography of lagoon invertebrates in relation to Pleistocene sea-level fluctuations*
- 2009 **11<sup>th</sup> Pacific Science Inter-Congress**, French Polynesia: **S. Lemer**, S. Planes.
- *Population genetics of Pinctada margaritifera in French Polynesia*

### CONFERENCE POSTERS

- 2019 **Gordon Research Conference: Marine Molecular Ecology**, Hong Kong. **S. Lemer**
- *Epigenetic modifications and differential gene expression in Acropora digitifera during heat acclimation*
- 2013 **World Congress of Malacology**: **S. Lemer**, D. Saulnier, Y. Gueguen, C. Lo, S. Planes
- *Transcriptomic processes leading to albinism and shell color variation in the pearl oyster Pinctada margaritifera*
- 2010 **European Coral Reef Symposium**, Netherlands: **S. Lemer** & S. Planes
- *Genetic connectivity of Pinctada margaritifera in French Polynesia*
- 2009 **11<sup>th</sup> Pacific Science Inter-Congress**, French Polynesia: **S. Lemer**, E. Rochel, S. Planes.
- *Impact of pearl farming on the genetic diversity of Pinctada margaritifera*

### RESEARCH GRANTS

- 2020 **National Fish & Wildlife Foundation, Principal Investigator** \$118,779
- *Developing a Genetic & Microbiome Toolkit to Assess and Predict Stress levels in Corals*
- 2020 **Sea Grant Competitive Research, Principal Investigator** \$39,508
- *Developing a Simple Genetic Toolkit to Assess and Predict Stress levels in Local Corals*
- 2020 **NSF Guam Epscor, Research Lead** \$20,000,000
- *Guam Ecosystem Collaboratorium for Corals*
- 2019 **NSF Guam EPSCoR Seed Grant, Principal Investigator** \$11,550
- *Genome sequencing, assembly, and annotation training*
- 2018 **NSF Guam EPSCoR Seed Grant, Principal Investigator** \$6,500
- *Climate Change and the Epigenetics of Corals: Part 2*
- 2018 **NSF Guam EPSCoR Seed Grant, Principal Investigator** \$9,640
- *Characterization of "Coral Glow" in Acropora sp*
- 2017 **National Fish & Wildlife Foundation, co- Principal Investigator** \$48,445
- *Simplifying management of coral-reef fisheries*

2017	<b>NSF Guam EPSCoR Seed Grant, Principal Investigator</b>	\$10,000
	• <i>Climate Change and the Epigenetics of Corals: Part 1</i>	
2017	<b>NSF Guam EPSCoR Seed Grant, Principal Investigator</b>	\$9,055
	• <i>Differential Gene Expression during Bleaching</i>	
2014	<b>Putnam Expedition Grant, MCZ, Harvard University, co- Principal Investigator</b>	\$10,970
	• <i>Collecting Nautilidea in Thailand</i>	
2013	<b>Putnam Expedition Grant, MCZ, Harvard University, Principal Investigator</b>	\$10,192
	• <i>Collecting Pinnidae in Baja California Sur, Mexico</i>	
2012	<b>Putnam Expedition Grant, MCZ, Harvard University, Principal Investigator</b>	\$7,500
	• <i>Collecting Pinnidae in the Philippines</i>	

#### **FELLOWSHIPS AND AWARDS**

2013	<b>Postdoctoral Award for Professional Development</b>	\$1,000
	• <i>Faculty of Arts and Sciences, Harvard University, MA, USA</i>	
2011	<b>The Bettencourt-Schueller Foundation, L'Oréal</b>	€25,000
	• <i>Price for outstanding young Researchers</i>	
2006	<b>Academic Merit Scholarship</b>	€4,000
	• <i>The Department of National Education, Advanced Education and Research, France</i>	

#### **WORKSHOPS**

2019	Genome Annotation Workshop – Smithsonian National Museum of Natural History
2017	NSF 'How to stand out as a SuperCommunicator' - Hawaii
2014	Next-generation sequencing for phylogenetics - NESCent Academy
2012	Evolution workshop - Sao Paulo School of Advance Science, Brazil
2010	Marine Genomics Europe Summer Course - Roscoff Biological Station, France
2009 - 2011	Ocean Bridges Partner University Fund – University of Florida

#### **SCIENTIFIC OUTREACH EVENTS AND MEDIA**

2020	<b>Kotick video game:</b> Increase environmental awareness in children (France). <b>Scientific Advisor</b>
2020	<b>Nihi! Kids: Island Science: Coral reefs of Guam</b> (Facebook live platform)
2018	<b>Science Sunday</b> - T. Stell Newman Visitor Center, Santa Rita, Guam <i>Guam Coral Genetics: Genes against Bleaching</i>
2017	<b>KUAM TV Interview:</b> Guam Coral genetics - GU ( <a href="https://www.youtube.com/watch?v=OfWnOrw8Y5E">https://www.youtube.com/watch?v=OfWnOrw8Y5E</a> )
2017	<b>Pacific Daily news:</b> UOG faculty talk coral at University of Hong Kong ( <a href="http://www.guampdn.com/story/news/2017/11/03/uog-faculty-talk-coral-university-hong-kong/828028001/">www.guampdn.com/story/news/2017/11/03/uog-faculty-talk-coral-university-hong-kong/828028001/</a> )
2017	<b>Science Video:</b> What is Coral Bleaching). <a href="https://www.youtube.com/watch?v=UuA31OPtUVI&amp;feature=youtu.be">https://www.youtube.com/watch?v=UuA31OPtUVI&amp;feature=youtu.be</a> )
2014	<b>Descience-Research on the runway</b> - MIT Media Lab <i>Under the Sea: Evolution of tropical marine invertebrates</i> ( <a href="https://descience27.carbonmade.com/">https://descience27.carbonmade.com/</a> )
2012	<b>Direction of Marine Resources</b> - French Polynesia. <i>Genetic control of shell color in P. margaritifera.</i>
2011	<b>French National Science Fair</b> - Paris, France. <i>Science communication: Corals facing global warming.</i>

#### **SCIENTIFIC OUTREACH REPORTS:**

8. S. Lemer. 2014. Descience goes under the sea: The hurdle of Science communication. by Scientist Sarah Lemer from Team Abyss-Moana.

<http://www.fashiondescience.com/#!/DESCIENCE-GOES-UNDER-THE-SEA-by-Scientist-Sarah-Lemer-from-Team-Abyss-Moana/c12kd/0984E601-7450-4C87-AFCF-1FB00ED54B73>.

7. C. Belliard, H. Bichet, C. Blay, M. Demoy-Schneider, A. Fougereuse, N. Gaertner-Mazouni, P. Garen, Y. Gueguen, C. Herbinger, CL. Ky, E. Lacoste, H. Leduc, **S. Lemer**, G. Le Moullac, C. Lo, A. Lo-Yat, S. Planes, D. Saulnier, M. Sham Koua, V. Teaniniuraitemoana. 2014. Project: BIODIPERL, Préservation de la biodiversité des stocks d'huîtres perlières *Pinctada margaritifera* en Polynésie française pour une exploitation durable de la ressource en perliculture. Final Report.

8. **S. Lemer** & F. Sotto. 2013. Harvard University Postdoctoral fellow collaborates with marine research station. University San Carlos Marine Research Station, Cebu, Philippines.

<https://usmarineres.wordpress.com/2013/06/06/harvard-u-postdoctoral-fellow-collaborates-with-marine-research-station/>

5. **S. Lemer**. 2012. Project : Analyse du déterminisme génétique de la couleur de la nacre par les processus conduisant à l'albinisme. Final Report. Department of Fisheries of French Polynesia.

4. Y. Gueguen, M. Demoy-Schneider, P. Garen, C. Herbinger, G. Le Moullac, **S. Lemer**, A. Lo-Yat, S. Planes. 2012. Project : REGENPERL "Ressources génétiques de la Perliculture polynésienne". Final Report

3. Y. Gueguen, E. Bachere, JP. Cuif, J. Guezennec, G. Gutierrez, CL. Ky, JM. Lebel, G. Lecellier, **S. Lemer**, G. Le Moullac, B. Marie, F. Marin, C. Montagnani, C. Pavat, D. Piquemal, S. Planes, D. Saulnier, M. Serrar, C. Simon-Colin. 2011. Project : GDR ADEQUA, Amélioration de la qualité des perles de *Pinctada margaritifera* de Polynésie française. Final Report ANR, France.

2. P. Borsa, **S. Lemer**, WJ Chen, A. Collet, L. Carassou, D. Ponton. 2009. Identification par barcode (séquences nucléotidiques d'un fragment de gene du cytochrome b) des larves de *Lethrinidea* capturées en baies de Dumbéa et Ouano (Nouvelle-Calédonie). Final Report ZoNéCo. IRD, Nouméa, IRD Nouméa Report, 60pp.

1. P.Borsa, M. Kulbicki, A. Collet, **S. Lemer**, G. Mou-Tham. 2009. Biologie et écologie du bec de cane, *Lethrinus nebulosus* (Forsskal), en Nouvelle-Caledonie. Final Report ZoNéCo. IRD, Nouméa. IRD Nouméa Report, 67 pp.

#### **ADMINISTRATIVE AND COMMUNITY SERVICES**

2018-Present Secretary of the University of Guam **Biology Graduate Program Faculty Committee**  
2018 Member of the **Proposal and Thesis guideline committee** - UOG Biology Graduate Program  
2017- Present Faculty in Charge of the **Genomics Laboratory** - UOG Marine Lab  
2017-Present Member of the University of Guam Marine Lab **Dive Control Board**  
2014-2016 Coordinator of the Harvard Museum of Comparative Zoology bi-monthly seminar series  
2008-2011 Graduate student representative: École Pratique des Hautes Etudes, France.

#### **SCIENTIFIC REVIEWER**

2019 NSF  
2010 - Present Nature Communications, Scientific Reports, Molecular Ecology, Molecular Ecology Resources, Molecular Phylogenetic and Evolution, Marine Ecology, Plos One, Journal of Molluscan Studies, Evolutionary Biology, Peer J, Gene, Animal Genetics, Zoological Journal of the Linnaean Society, Systematic and Biodiversity, Biological Journal of the Linnaean Society, Animals Genetics, Aquaculture Reports, Ecology & Evolution, Hydrologia.

#### **ACTIVE ORGANIZATIONS:**

- International Coral Reef Society
- Society for the Study of Evolution
- Unitas Malacologica
- International Society for Reef Studies.
- The Society for the Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS)
- Harvard Graduate Women in Science and Engineering Organization.
- Black Women in Ecology, Evolution and Marine Science