

CURRICULUM VITAE

Part A. PERSONAL INFORMATION

CV date

03/07/2019

First and Family name	Xabier Lecube Iturrioz		
Social Security, Passport, ID number	30625609M	Age	49
Researcher numbers	Researcher ID	Y-7006-2018	
	Orcid code	0000-0002-1005-4593	

A.1. Current position

Name of University/Institution	University of the Basque Country UPV/EHU		
Department	Plentziako Itsas Estazioa (PiE-UPV/EHU)		
Address and Country	Areatza w/n, 48620 Plentzia, Bizkaia, Spain		
Phone number	+34 946018444	E-mail	xabier.lecube@ehu.eus
Current position	Postdoctoral researcher	From	11/08/2016
Espec. cód. UNESCO	2407		
Palabras clave	biomarkers, pollution monitoring, ecosystem health indices, oil spill, animal, histochemistry, quantitative microscopy		

A.2. Education

PhD	University	Year
International PhD in cell biology	UPV/EHU	2014

A.3. JCR articles, h Index, thesis supervised...

Total N. citations (WoS 26/06/2017): 174

Average N. citations/yr (WoS 26/06/2017): 21,75

N. publications in Q1 (WoS 26/06/2017): 5 (out of 8)

H index (WoS 17/07/2015): 7

Part B. CV SUMMARY (max. 3500 characters, including spaces)

Postdoctoral researcher at the Research Centre for Experimental Marine Biology and Biotechnology (Plentzia Marine Station, PiE-UPV/EHU), University of the Basque Country (UPV/EHU since 2016. Member of the Cell Biology and Environmental Toxicology Consolidated research group of the UPV/EHU (2001-). Scientific manager of the Biscay Bay Environmental Biospecimen Bank (BBEBB) housed at the Research Centre for Experimental Marine Biology and Biotechnology (Plentzia Marine Station, PiE-UPV/EHU) since 2016. International PhD Thesis "Lysosomal biomarkers in mussel digestive cells: Towards novel immunochemical approaches after the understanding of lysosomal responses to pollutants" at the University of the Basque Country (2014). Predoctoral studies at the Aristotle University of Thessaloniki (Greece) and the University of Bergen (Norway). Expertise in: Toxicology, Pollution monitoring, Biomarkers in fish and molluscs, Lysosomal biomarkers, Immunohistology, Aquaculture. He has co-directed 1 small thesis, 2 master thesis and 4 end-of-degree works and has participated in 7 research projects and 1 research contract. He has co-authored 14 articles and 1 book chapters/proceeding, more than 40 contributions in national and international conferences. His lines of research focus on ecotoxicology, aquaculture and fraud and quality of seafood.

Part C. RELEVANT MERITS

C.1. Publications (including books)

1. Soto M, Quincoces I, Lekube X, Marigómez I. 1998. Autometallographed metal content in digestive cells of winkles: a cost-effective screening tool for monitoring Cu and Zn pollution. *Aquat Toxicol*, 40: 123-140.
2. Lekube X, Cajaraville MP, Marigómez I. 1998. Application of the B5 system: Use of specific antibodies for the detection of changes induced by environmental contaminants in lysosomes. *Cuad Invest Biol*, 20: 237-239.
3. Marigómez I, Cajaraville MP, Soto M, Lekube X. 1998. Cell-type replacement, a successful strategy of mollusks to adapt to chronic exposure to pollutants. *Cuad Invest Biol*, 20: 411-414.
4. Cajaraville MP, Cancio I, Orbea A, Lekube X, Marigómez I. 1998. Detection, control and monitoring of pollution using early warning cellular biomarkers: conventional and innovative approaches based on biotechnology. *Cuad Invest Biol*, 20: 545-548.
5. Soto M, Lekube X, Marigómez I. Autometallographical localization of Cu and Zn within target cell compartments of winkles following exposure to Cu and Zn mixtures. 1999. *Eur J Histochem*, 43: 323-334.
6. Marigómez I, Lekube X, Cancio I. 1999. Immunochemical localization of proliferating cells in mussel digestive gland tissue. *Histochem J*, 31: 781-788.
7. Lekube X, Cajaraville MP, Marigómez I. 2000. Use of polyclonal antibodies for the detection of changes induced by cadmium in lysosomes of aquatic organisms. *Sci Tot Environ*, 247: 201-212.
8. Marigómez I, Izagirre U, Lekube X. 2005. Lysosomal enlargement in digestive cells of mussels exposed to cadmium, benzo[a]pyrene and their combination. *Comp Biochem Physiol C*, 141: 188-193.
9. Marigómez I, Lekube X, Cajaraville MP, Domouhtsidou G, Dimitriadis V. 2005. Comparison of cytochemical procedures to estimate lysosomal biomarkers in mussel digestive cells. *Aquat Toxicol*, 75: 86-95.
10. Lekube X, Izagirre U, Soto M, Marigómez I. 2014. Lysosomal and tissue-level biomarkers in mussels cross-transplanted among four estuaries with different pollution levels. *Sci Tot Environ*, 472: 36-48.
11. Piñeiro C, Carrera M, Casa B, Lekube X, Martínez I. 2015. *Proteomics and food analysis: Principles, techniques and applications*, CRC Press, pp. 369-391.
12. Erdaide O, Lekube X, Olsen RL, Ganzedo U, Martínez I. 2016. Comparative study of muscle proteins in relation to the development of yake in three tropical tuna species yellowfin (*Thunnus albacares*), big eye (*Thunnus obesus*) and skipjack (*Katsuwonus pelamis*) levels. *Food Chem*, 201: 284-291.
13. Legorburu G, Lekube X, Canive I, Ferré JG, Delgado H, Moreno G, Restrepo V. 2018. Efficiency of Electronic Monitoring on FAD related activities by supply vessels in the Indian Ocean. ISSF Technical Report 2018-03. International Seafood Sustainability Foundation, Washington, DC, USA.
14. Influence of season depending ecological variables on biomarker baseline levels in mussels (*Mytilus trossulus*) from two Baltic sea subregions. 2019. Benito D, Ahvo A, Nuutinen J, Bilbao D, Saenz J, Etxebarria N, Lekube X, Izagirre U, Lehtonen KK, Marigomez I, Zaldibar B, Soto M. *Sci Tot Environ*. Accepted.
15. Jørgensen KS, Kreutzer A, Lehtonen KK, Kankaanpää H, Rytönen J, Wegeberg S, Gustavson K, Fritt-Rasmussen J, Truu J, Kõuts T, Lilover M-J; Thomas-Benjamin Seiler T-B, Hollert H, Johann S, Marigómez I, Soto M, Lekube X, Jenssen BM, Ciesielski T, Wilms LB, Högström R, Pirneskoski M, Virtanen S, Forsman B, Petrich C, Phuong-Dang N, Wang F. 2019. The EU Horizon 2020 project GRACE – Integrated oil spill response actions and environmental effects. *Environ Sci Eur*. Accepted.

C.2. Research projects and grants

1. Project: 3D reconstruction of the bivalvian digestive gland
 Funding entity: NATO international scientific exchange programmes
 Participants: UPV/EHU and King's college school of medicine and dentistry
 Project period: 1995-1997 Budget: \$6.150
 PI: Dr. Ionan Marigómez

2. Project: Reconstrucción 3d de la glándula digestiva de moluscos: cinética celular y topología de la actividad física de digestión intracelular
 Funding entity: Gobierno Vasco
 Participants: UPV/EHU and King's college school of medicine and dentistry
 Project period: 1996-1998 Budget: 5.275.000 pesetas
 PI: Dr. Ionan Marigómez
3. Project: Desarrollo de una batería de "biomarcadores + bioensayos" basado en biotecnología (b5) para la detección, control y vigilancia de la contaminación orgánica. i. biomarcadores lisosómicos y peroxisómicos

 Funding entity: UPV/EHU
 Project period: 1998-1998 Budget: 1.683.000 pesetas
 PI: Dr. Miren P Cajaraville
4. Project: Desarrollo de una batería de "biomarcadores + bioensayos" basado en biotecnología (B5) para la detección, control y vigilancia de la contaminación orgánica. I) biomarcadores lisosómicos y peroxisómicos
 Funding entity: CICYT
 Project period: 1996-1999 Budget: 12.342.000 pesetas
 PI: Miren P Cajaraville
5. Project: Desarrollo de una batería de "biomarcadores + bioensayos" basado en biotecnología (B5) para la detección, control y vigilancia de la contaminación orgánica. I) II). Incorporación de nuevos biomarcadores (metalotioneínas, vitelogenina) y bioensayos (de inmunotoxicidad) y diseño de un sistema ELISA para la medida de biomarcadores lisosómicos y peroxisómicos
 Funding entity: CICYT
 Project period: 2000-2002 Budget: 10.248.000 pesetas
 PI: Miren P Cajaraville
6. Project: Integrated oil spill response actions and environmental effects (GRACE)
 Funding entity: EU HORIZON 2020
 Participants: SYKE, Finland, Aarhus University, University of Tartu, Tallinn University of Technology, RWTH Aachen University, UPV/EHU, NTNU, Norut Narvik, Greenland Oil Spill Response A/S, SSPA Sweden AB, University of Manitoba, Lamor Corporation Ab, Meritaito Oy
 Project period: 2016-2019 Budget: EUR 5 277 554
 PI: Dr. Kirsten S Jørgensen
7. Project: Detección de fraude alimentario en muestras de atún "pintado" como medida de prevención de escombroidosis
 Funding entity: Gobierno Vasco and UPV/EHU
 Project period: 2016-2016 Budget: EUR 25000
 PI: Dr. Ionan Marigomez

C.3. Contracts

Project: Measurement of nitrosomyoglobin and myoglobin in tuna samples
 Contractor company: New England Seafood Intl
 Contract period: 2016-2017 Budget: EUR 8700
 PI: Urtzi Izagirre

C.4. Patents

C.5, C.6, C.7... (e. g., Institutional responsibilities, memberships of scientific societies...)

Member of the Spanish Aquaculture Society (SEA)