



Nerea García Velasco

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Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

Nerea Garcia-Velasco. Graduated in Environmental Sciences in 2010 at the University of the Basque Country (UPV/EHU). MsC (2011) and PhD (2017) in Environmental Contamination and Toxicology at the Department of Zoology and Animal Cell Biology of the University of the Basque Country. Her thesis was entitled "Toxicity assessment of silver nanoparticles in soils through standard tests, an integrated battery of biomarkers at different levels of biological complexity and in vitro approaches with coelomocytes in *Eisenia fetida*". Award for the best MSc. Thesis (2010-2011) and international PhD Cum Laude mention.

She has been researcher of the Group Cell Biology in Environmental Toxicology (CBET) since 2012. In this period she has collaborated in different research projects and contracts with private companies (MINECO, Basque Government-Elkartek: K-Egokitzen and Berrilur-, De Sangosse). As a results of her participation in these projects she has published more than 5 articles in scientific journals (most publications Q1) and has presented more than 30 contributions to national and international congresses (2 invited). She has stayed for 3 months at the Centre of Bioscience of the University of Aarhus (Denmark, 2015) working on the toxicity assessment of nanoparticles to immune cells of earthworms and for 1 week at the University of Piemonte Orientale (Italy, 2013) on activities related with environmental physiology.

Her main research interests are focused on the assessment of toxic effects of environmental pollutants (metals) and emerging contaminants (nanoparticles) on soils using different approaches: standard tests (OECD, ISO), biomarkers measured at different levels of biological complexity and in vitro assays.

During her research years she has achieved a great variety of laboratory skills and she has used a number of cutting edge techniques related with cell Biology and nanotoxicology (i.e. molecular biology, cell culturing, flow cytometry, histology, advanced microscopy, nanoparticles characterization). She also has expertise assessing the toxic action of molluscicides and searching for Omega-3 and antioxidant compounds production from marine resources.



General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

She has presented more than 25 contributions to national and international congresses (2 invited) and has published more than 5 research articles in peer-reviewed international journals. Quality indicators (Research Gate): Total citations: 28, most publications in Q1, RG score: 22.2 (score higher than 44% of Research Gate members), h index 2; Quality indicators (Scopus): Total citations: 25, most publications in Q1, h index 3; Quality indicators (Web of Science): Total citations: 21, most publications in Q1, h index 3.

Award for best MSc. Thesis (2010-2011)

**Nerea García Velasco**

Surname(s): **García Velasco**
 Name: **Nerea**
 DNI: **45823702C**
 Date of birth: **20/01/1988**
 Gender: **Female**
 Land line phone: **94 6108445 - 8445**
 Email: **nerea.garcia@ehu.eus**

Current professional situation

Employing entity: University of the Basque Country-Plentzia Marine Station (PIE-UPV/EHU)

Professional category: Researcher

Start date: 07/06/2018

Performed tasks: Developing novel sediment toxicity bioassays with Hediste diversicolor polychaete in order to accurately assess ecotoxicological threats posed by chronically polluted estuarine sediments

Previous positions and activities

	Employing entity	Professional category	Start date
1	Gestion 10. Gestión&Formación	Teacher	02/01/2019
2	Gestion 10. Gestión&Formación	Teacher	19/02/2018
3	University of the Basque Country-Plentzia Marine Station (PIE-UPV/EHU)	Researcher	07/10/2017
4	University of the Basque Country (UPV/EHU)	Predoctoral Researcher	04/04/2012

1 **Employing entity:** Gestion 10. Gestión&Formación **Type of entity:** Study Centre
Professional category: Teacher
Start-End date: 02/01/2019 - 14/02/2019
Performed tasks: Teacher of a certificates of professionalism: "Industrial Cleaning" (130h)

2 **Employing entity:** Gestion 10. Gestión&Formación **Type of entity:** Study Centre
Professional category: Teacher
Start-End date: 19/02/2018 - 22/05/2018
Performed tasks: Teacher of two certificates of professionalism: "Industrial Cleaning" (130h) and "Urban and industrial waste management course" (270h).

3 **Employing entity:** University of the Basque Country-Plentzia Marine Station (PIE-UPV/EHU)
Department: Centre for Experimental Marine Biology and Biotechnology
Professional category: Researcher



Start-End date: 07/10/2017 - 31/12/2017 **Duration:** 3 months
Performed tasks: Omega-3 production from marine resources

4 **Employing entity:** University of the Basque Country (UPV/EHU)

Department: Zoology and Animal Cell Biology

Professional category: Predoctoral Researcher

Start-End date: 04/04/2012 - 30/04/2017 **Duration:** 5 years

Performed tasks: Ecotoxicology & Chemical pollution



Education

University education

1st and 2nd cycle studies and pre-Bologna degrees

University degree: Higher degree

Name of qualification: Environmental Sciences

Degree awarding entity: University of the Basque Country (UPV/EHU)

Date of qualification: 19/07/2010

Doctorates

Doctorate programme: Environmental Contamination and Toxicology

Degree awarding entity: University of the Basque Country **Type of entity:** University

Date of degree: 16/06/2017

European doctorate: Yes

Date of certificate: 16/06/2017

Thesis title: Toxicity assessment of silver nanoparticles in soils through standard tests, an integrated battery of biomarkers at different levels of biological complexity and in vitro approaches with coelomocytes in *Eisenia fetida*

Thesis director: Manu Soto López

Obtained qualification: Cum Laude

Other postgraduate university studies

Postgraduate qualification: Environmental Contamination and Toxicology

Degree awarding entity: University of the Basque Country (UPV/EHU) **Type of entity:** University

Date of qualification: 14/11/2017

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English	C1	C1	C1	C1	C1
Basque	C1	C2	C1	C1	C1



Teaching experience

General teaching experience

- 1 Name of the course:** Soil Contamination and Toxicology 2018/2019
University degree: Master in Environmental Contamination and Toxicology
Start date: 14/01/2019 **End date:** 30/01/2019
End date: 30/01/2019
Entity: University of the Basque Country (UPV/EHU)
- 2 Name of the course:** Biochemistry and Molecular biology and biotechnology Nombre de la asignatura/curso: "Histological techniques and cell culture" and "Cell and tissue cultures" (1º and 2º)
University degree: Biochemistry and Molecular biology and biotechnology
Start date: 20/04/2015 **End date:** 08/05/2015
End date: 08/05/2015
Entity: University of the Basque Country (UPV/EHU)
- 3 Name of the course:** Tissue Engineering (4º)
University degree: Biochemistry and Molecular biology and biotechnology
Start date: 07/04/2014 **End date:** 09/05/2014
End date: 09/05/2014
Entity: Universti of the Basque Country (UPV/EHU)
- 4 Name of the course:** "Histological techniques and cell culture" and "Cell and tissue cultures" (1º and 2º)
University degree: Biochemistry and Molecular biology and biotechnology
Start date: 10/03/2014 **End date:** 10/04/2014
End date: 10/04/2014
Entity: University of the Basque Country (UPV/EHU)
- 5 Name of the course:** "Cell and tissue cultures" (1º) and "Histological techniques and cell culture"(2º)
University degree: Biology, Biochenistry and Molecular biology and biotechnology
Start date: 02/04/2012 **End date:** 22/04/2012
End date: 22/04/2012
Entity: University of the Basque Country (UPV/EHU)
- 6 Name of the course:** Soil Contamination and Toxicology 2017/2018
University degree: Master in Environmental Contamination and Toxicology
End date: 26/12/2017
Entity: University of the Basque Country (UPV/EHU)
- 7 Name of the course:** Soil Contamination and Toxicology 2016/2017
University degree: Master in Environmental Contamination and Toxicology
End date: 14/12/2016
Entity: University of the Basque Country (UPV/EHU)



8 **Name of the course:** Soil Contamination and Toxicology 2015/2016
University degree: Master in Environmental Contamination and Toxicology
End date: 23/12/2015
Entity: University of the Basque Country (UPV/EHU)

9 **Name of the course:** Soil Contamination and Toxicology 2014/2015
University degree: Master in Environmental Contamination and Toxicology
End date: 17/12/2014
Entity: University of the Basque Country (UPV/EHU)

Experience supervising doctoral thesis and/or final year projects

Project title: Detection of sulfur- and selenium- containing antioxidant compounds coming from Bigeye tuna intestine using HPLC-ICP-MS

Entity: Master thesis submitted to Ghent University for the degree of Master of Science in Marine Biological Resources (IMBRSea) **Type of entity:** University

Student: Anisa Rilla Lubis

Date of reading: 04/06/2019

Teaching experience in courses and seminars for university teacher training

1 **Type of event:** Seminar
Name of the event: Rimer Course in Marine Environment and Resources (MER) MSc programme
Organising entity: Plentzia Marine Estation (PiE-UPV/EHU) and Donostia Aquarium
Hours of teaching: 1
Teaching date: 31/01/2019

2 **Type of event:** Workshop
Name of the event: Workshop Sensitive Biomarkers in Ecotoxicology 8-10 October 2014
Organising entity: University of Azores, Ponta Delgada **Type of entity:** University (Portugal)
Hours of teaching: 5
Teaching date: 08/10/2014

Other activities/achievements not included above

Description of the activity: UniBasq accreditation as teacher in Experimental Sciences

Organising entity: Basque University System Quality Assurance Agency

End date: 27/04/2018



Scientific and technological experience

Research and development groups/teams

- 1 Name of the group:** Research Formation Unit UFI 11/37
Standardised code: UFI 11/37
Affiliation entity: UPV/EHU
Start date: 01/01/2015 **Duration:** 2 years
- 2 Name of the group:** Cell Biology in Environmental Toxicology (CBET group)
Standardised code: IT810-13
Affiliation entity: Basque Government
Start date: 01/01/2013 **Duration:** 6 years

Scientific or technological activities

R&D projects funded through competitive calls of public or private entities

- 1 Name of the project:** Protection of coastal and edaphic ecosystems: effects of the pollution in ecosystems health
Degree of contribution: Researcher
Entity where project took place: UPV/EHU
Name principal investigator (PI, Co-PI...): Manu Soto Lopez
Funding entity or bodies:
UPV/EHU
Type of participation: Team member
Start-End date: 01/05/2017 - 09/04/2021
Total amount: 73.340,2 €
- 2 Name of the project:** New insights into the dormant ecotoxicological threats posed by chronically polluted estuarine sediments (seaDIMENTOX, CTM2017-87766-R)
Degree of contribution: Researcher
Entity where project took place: Plentzia Marine Station (PiE-UPV/EHU)
Name principal investigator (PI, Co-PI...): Ionan Marigómez Allende; Manu Soto Lopez
Nº of researchers: 15
Funding entity or bodies:
Ministry of Economy and Competitiveness (MINECO). Proyectos I+D+I, del Programa Estatal de Investigación, Desarrollo e Innovación Orientada a los Retos de la Sociedad. Convocatoria 2017.
Type of participation: Co-ordinator
Name of the programme: Ministry of Economy and Competitiveness (MINECO)
Code according to the funding entity: CTM2017-87766-R
Start-End date: 01/01/2018 - 31/12/2020 **Duration:** 3 years
Total amount: 170.000 €



- 3** **Name of the project:** Mechanisms of action and toxicity of silver nanoparticles in model aquatic and terrestrial organisms
Degree of contribution: Researcher
Entity where project took place: UPV/EHU
Name principal investigator (PI, Co-PI...): Miren P. Cajaraville Bereciartua
Funding entity or bodies:
Ministry of Economy, Industry and Competitiveness
Type of participation: Team member
Code according to the funding entity: MAT2012-39372
Start-End date: 01/01/2013 - 31/12/2015 **Duration:** 36 months
Total amount: 45.000 €
- 4** **Name of the project:** Toxicological analysis of steelmaking slags leaching
Degree of contribution: Current university student
Entity where project took place: UPV/EHU (2 department), Neiker, Gaiker
Nº of researchers: 10
Funding entity or bodies:
Ihobe, S.A. **Type of entity:** Business
City funding entity: Bilbao, Basque Country, Spain
Type of participation: Team member
Start-End date: 2013 - 2013
Total amount: 14.947,06 €
- 5** **Name of the project:** Soil health and chemical pollution: development and application of new technologies. Berrilur III
Degree of contribution: Current university student
Entity where project took place: UPV/EHU (4 Dpt.), Neiker, Gaiker
Funding entity or bodies:
Basque Government. ETORTEK programm
Type of participation: Team member
Start date: 01/01/2011
Total amount: 110.645 €

R&D non-competitive contracts, agreements or projects with public or private entities

- 1** **Name of the project:** Mode of action of A.I from natural origin-effects on AChE & ACP activities
Type of project: Industrial research
Degree of contribution: Researcher
Nº of researchers: 4
Funding entity or bodies:
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City funding entity: Agen, France
Start date: 01/11/2015 **Duration:** 1 year
- 2** **Name of the project:** Toxic Action of a Molluscicide: The effect of the application mode
Type of project: Industrial research
Degree of contribution: Researcher
City of entity: Agen, France

**Nº of researchers:** 4**Funding entity or bodies:**

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City funding entity: Agen, France**Start date:** 01/10/2011**Duration:** 1 year**Total amount:** 63.000 €

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

- 1 Juan Daniel Aparicio; Nerea Garcia Velasco; Erik Urionabarrenetxea; Manu Soto; Analía Álvarez; Marta Alejandra Polti. Evaluation of the effectiveness of a bioremediation process in experimental soils polluted with chromium and lindane. *Ecotoxicology and Environmental Safety*. 181, pp. 255 - 263. 15/10/2019.
Type of production: Scientific paper **Format:** Journal
- 2 Nerea Garcia Velasco; Amaia Irizar; Erik Urionabarrenetxea; Janeck J. Scott-Fordsmand; Manu Soto. Selection of an optimal culture medium and the most responsive viability assay to assess AgNPs toxicity with primary cultures of *Eisenia fetida* coelomocytes. *Ecotoxicology and Environmental safety*. In press, 30/07/2019.
Type of production: Scientific paper **Format:** Journal
- 3 Nerea Garcia Velasco; Ainize Peña Cearra; Eider Bilbao Castellanos; Beñat Zaldibar Aramburu; Manu Soto Lopez. Integrative assessment of the effects produced by Ag nanoparticles at different levels of biological complexity in *Eisenia fetida* maintained in two standard soils (OECD and LUFA 2.3). *Chemosphere*. 181, pp. 747 - 758. 2017.
Type of production: Scientific paper **Format:** Journal
- 4 Silvana Patricia Curieses; Nerea Garcia Velasco; Erik Urionabarrenetxea; Elena Saenz; Eider Bilbao; Walter Dario Di Marzio; Manu Soto Lopez. Responses to silver nanoparticles and silver nitrate in a battery of biomarkers measured in coelomocytes and in target tissues of *Eisenia fetida* earthworms. *Ecotoxicology and Environmental Safety*. 141, pp. 57 - 63. 2017.
Type of production: Scientific paper **Format:** Journal
- 5 Nerea Garcia Velasco; Maite Gandariasbeitia; Amaia Irizar Loibide; Manu Soto. Uptake route and resulting toxicity of silver nanoparticles in *Eisenia fetida* earthworm exposed through Standard OECD Tests. *Ecotoxicology*. 25, pp. 1543 - 1555. 2016.
Type of production: Scientific paper **Format:** Journal
- 6 Amaia Irizar; Carlos Rivas; Nerea Garcia Velasco; Felipe Goñi de Cerio; Javier Etxebarria; Ionan Margóme; Manu Soto. Establishment of toxicity thresholds in subpopulations of coelomocytes (amoebocytes vs. eleocytes) of *Eisenia fetida* exposed in vitro to a variety of metals: implications for biomarker measurements. *Ecotoxicology*. 24, pp. 1004 - 1013. 2015.
Type of production: Scientific paper **Format:** Journal
- 7 Amaia Irizar; Lur Epelde; I. Martin; Unai Artetxe; O. Barrutia; Nerea Garcia-Velasco; Dani Buey; Javier Etxebarria; Carlos Garbisu; Ionan Marigómez; Manu Soto. Holistic assessment of the impact of a dumpsite on the health of surrounding soils aided by biomarkers measured in microbes, plants and annelids. *Comparative Biochemistry and Physiology- Part A Molecular Integrative physiology*. 163, pp. 22 - 23. 2012.



Type of production: Scientific paper

Format: Book

- 8** Amaia Rodriguez Ruiz; Nerea Garcia Velasco; Beñat Zaldibar Aranburu; Amaia Irizar Loibide. La salud de los suelos. Su importancia y su evaluación. Analytica ISSN 22331100-66887755. 2, pp. 12 - 15. 2014.

Type of production: Popular science article

Format: Journal

- 9** Nerea García-Velasco; Nerea Duroudier; Jose Maria Lacave; M Micolaczyk; Alberto Katsumiti; Jorge Schafer; Eider Bilbao; Manu Soto; Amaia Orbea; Miren Pilare Cajaraville. Nanosilveromics: Uncovering the mechanisms of toxic action of silver nanoparticles in model alternative aquatic and terrestrial organisms. Abstract book V Jornadas de Investigación de la Facultad de Ciencia y Tecnología. 5, pp. 12 - 13. 2016.

Type of production: Popular science book

Format: Book

Works submitted to national or international conferences

- 1** **Title of the work:** Assessment of soil ecotoxicity derived from the application of sewage sludge with biological indicators of soil health (microorganisms, plants and invertebrates) for remediation option appraisal
Name of the conference: 29th Annual Meeting of the Society of Environmental Toxicology and Chemistry (SETAC)-Europe
Type of participation: 'Participatory - poster
City of event: Helsinki, Finland
Date of event: 26/05/2019
End date: 30/05/2019
Organising entity: SETAC Europe
City organizing entity: Finland
Erik Urionabarrenetxea; Nerea Garcia-Velasco; Mikel Anza; Carlos Garbisu; Unai Artetxe; R Lacalle; J. M. Becerril; Manu Soto.

- 2** **Title of the work:** Developing novel sediment toxicity bioassays with Hediste diversicolor polychaete coelomocytes
Name of the conference: 29th Annual Meeting of the Society of Environmental Toxicology and Chemistry (SETAC)-Europe
Type of participation: 'Participatory - poster
City of event: Helsinki, Finland
Date of event: 26/05/2019
End date: 30/05/2019
Organising entity: SETAC Europe
City organizing entity: Finland
Nerea Garcia-Velasco; Erik Urionabarrenetxea; Alberto de Diego; Urtzi Izagirre; Gredilla Ainara; Jose Antonio Carrero; Olaia Liñero; Ionan Marigómez; Manu Soto.

- 3** **Title of the work:** Towards an accurate toxicity assessment of Ag NPs with primary cultures of Eisenia fetida coelomocytes
Name of the conference: 11th Iberian and 8th Iberoamerican Congress on Environmental Contamination and Toxicology (CICTA)
Type of participation: Participatory - oral communication
City of event: Madrid, Spain
Date of event: 11/07/2018
End date: 13/07/2018
Organising entity: CICTA
Nerea García-Velasco; Amaia Irizar; Erik Urionabarrenetxea; Janec J Scott-Fordsmand; Manu Soto.



- 4** **Title of the work:** Joint effect of temperature and cadmium in *Eisenia fetida* earthworms at different exposure times and biological complexity levels
Name of the conference: 11th Iberian and 8th Iberoamerican Congress on Environmental Contamination and Toxicology (CICTA)
Type of participation: Participatory - oral communication
City of event: Madrid, Spain
Date of event: 11/07/2018
End date: 13/07/2018
Organising entity: CICTA
Erik Urionabarrenetxea; Nerea García-Velasco; Manu Soto.
- 5** **Title of the work:** Effects of multiple environmental stressors on *Eisenia fetida* coelomocytes: cell viability and different behaviour of amoebocytes and leucocytes
Name of the conference: 28th Annual Meeting of the Society of Environmental Toxicology and Chemistry (SETAC)-Europe
Type of participation: Participatory - poster
City of event: Rome, Italy
Date of event: 13/05/2018
End date: 17/05/2018
Organising entity: SETAC Europe
Nerea Garcia-Velasco; Erik Urionabarrenetxea; Manu Soto.
- 6** **Title of the work:** Short-term induced molecular stress responses in coelomocytes of *Eisenia fetida* earthworms in vivo exposed to silver nanoparticles
Name of the conference: 28th Annual Meeting of the Society of Environmental Toxicology and Chemistry (SETAC)-Europe
Type of participation: Participatory - poster
City of event: Rome, Italy
Date of event: 13/05/2018
End date: 17/05/2018
Organising entity: SETAC Europe
Silvana Curieses; Nerea Garcia-Velasco; Erik Urionabarrenetxea; M. Saenz; Manu Soto; Walter Dario Di Marzio.
- 7** **Name of the conference:** 4th International Conference on Environmental Specimen Banks
Type of participation: Organizational - Scientific and organizing committee
City of event: Bilbao, Spain
Date of event: 02/10/2017
End date: 04/10/2017
Organising entity: PiE-UPV/EHU
- 8** **Title of the work:** Highlights for soil health assessment using earthworms: in vivo, in vitro and molecular tools
Name of the conference: 27th Annual Meeting of the Society of Environmental Toxicology and Chemistry (SETAC)-Europe
Type of event: Conference
Type of participation: Participatory - oral communication
City of event: Brussels, Belgium
Date of event: 07/05/2017
End date: 11/05/2017
Organising entity: SETAC Europe



Manu Soto; Ionan Marigomez; Erik Urionabarrenetxea; Amaia Irizar; Nerea Garcia-Velasco.

- 9** **Title of the work:** Assessment of the toxic effects exerted by chromium in soils combining standardized OECD tests and cell based approaches in earthworms (*Eisenia fetida*)
Name of the conference: 27th Annual Meeting of the society of environmental toxicology and chemistry (SETAC) Europe
Type of participation: 'Participatory - poster
Date of event: 07/05/2017
End date: 11/05/2017
Organising entity: SETAC Europe
Daniel Aparicio; Erik Urionabarrenetxea; Nerea Garcia-Velasco; Manu Soto.
- 10** **Title of the work:** Establishing an optimal culture medium and the most responsive viability assay to accurately assess
Name of the conference: 27th Annual Meeting of the Society of Environmental Toxicology and Chemistry (SETAC)-Europe.
Type of participation: 'Participatory - poster
City of event: Brussels, Belgium
Date of event: 07/05/2017
End date: 11/05/2017
Organising entity: SETAC Europe
Nerea Garcia-Velasco; Erik Urionabarrenetxea; Manu Soto.
- 11** **Title of the work:** Lurzoruen eta kutsatzaile berrien azterketa *Eisenia fetida* zizarean in vivo eta in vitro teknikak erabiliz
Name of the conference: Natur Zientzien II Topaketak
Type of participation: 'Participatory - poster
City of event: Donostia-San Sebastian, Spain
Date of event: 28/11/2016
End date: 29/11/2016
Organising entity: Udako Euskal Unibertsitatea UEU
Nerea Garcia-Velasco; Erik Urionabarrenetxea; Amaia Irizar; Maite Gandariasbeitia; Ainize Peña-Cearra; Beñat Zaldibar; Manu Soto.
- 12** **Title of the work:** Toxicity exerted by Ag NPs in OECD and LUF 2.3 soils: From molecular to organism level responses in *Eisenia fetida* earthworms
Name of the conference: 26th Annual Meeting of the society of environmental toxicology and chemistry (SETAC) Europe
Type of participation: Participatory - oral communication
City of event: Nantes, France
Date of event: 22/05/2016
End date: 26/05/2016
Organising entity: SETAC Europe
Nerea Garcia-Velasco; Ainize Peña-Cearra; Beñat Zaldibar; Manu Soto.
- 13** **Title of the work:** NANOSILVEROMICS: Uncovering the mechanisms of toxic action of silver nanoparticles in model alternative aquatic and terrestrial organisms
Name of the conference: V Jornadas de Investigación de la Facultad de Ciencia y Tecnología
Type of participation: Participatory - oral communication
City of event: Leioa, Basque Country, Spain
Date of event: 06/04/2016
End date: 07/04/2016



Organising entity: Facultad Ciencia Y Tecnologia (UPV/EHU)

Nerea Garcia-Velasco; Nerea Duroudier; Jose Maria Lacave; M. Mikolaczyk; Alberto Katsumiti; Jorg Schafer; Eider Bilbao; Manu Soto; Amaia Orbea; Miren Cajaraville.

- 14** **Title of the work:** Aplicación de metodologías alternativas como herramientas complementarias para la Evaluación del Riesgo Ambiental (ERA) de los nanomateriales
Name of the conference: 2nd International Congress of Nanoscience and Nanotechnology
Type of participation: Participatory - invited/keynote talk
City of event: Quito, Ecuador
Date of event: 19/11/2015
End date: 20/11/2015
Alberto Katsumiti; Pamela Ruiz; Alba Jimeno-Romero; Unai Vicario-Pares; Jose Maria Lacave; Nerea Garcia-Velasco; Nerea Duroudier; Ionan Marigómez; Eider Bilbao; Manu Soto; Amaia Orbea; Miren Cajaraville.
- 15** **Title of the work:** Assessment of the impact of an abandoned dump site on the health of adjacent soil ecosystems by in vivo and in vitro testing with *Eisenia fetida*
Name of the conference: Topical Scientific Workshop on Soil Risk Assessment-ECHA
Type of participation: 'Participatory - poster
City of event: Helsinki, Finland
Date of event: 07/10/2015
End date: 08/10/2015
Amaia Irizar; Nerea Garcia-Velasco; Daniel Buey; Javier Etxebarria; Nestor Etxebarria; Ionan Marigómez; Manu Soto.
- 16** **Title of the work:** Effects of multiple environmental stressors (thermal stress and cadmium exposure) at different times and levels of biological complexity in *Eisenia fetida* earthworms
Name of the conference: 10th Iberian and 7th Iberoamerican Congress on Environmental Contamination and Toxicology (CICTA)
Type of participation: 'Participatory - poster
City of event: Vila Real, Portugal
Date of event: 14/07/2015
End date: 17/07/2015
Organising entity: CICTA
Nerea Garcia-Velasco; Erik Urionabarrenetxea; Maite Gandariasbeitia; Amaia Irizar; Manu Soto.
- 17** **Title of the work:** Mechanisms of action and toxicity of silver nanoparticles in model aquatic and terrestrial organisms
Name of the conference: 10th Iberian and 7th Iberoamerican Congress on Environmental Contamination and Toxicology (CICTA)
Type of participation: Participatory - invited/keynote talk
City of event: Vila Real, Portugal
Date of event: 14/07/2015
End date: 07/07/2015
Organising entity: CICTA
Miren Cajaraville; Nerea Duroudier; Nerea Garcia-Velasco; Jose Maria Lacave; Alvaro Fanjul; M. Mikolaczyk; Alba Jimeno-Romero; Alberto Katsumiti; Jorge Schafer; Eider Bilbao; Manu Soto; Amaia Orbea.



- 18** **Title of the work:** Determinación de la vía de acumulación y de perfil de toxicidad de nanopartículas de plata (AgNPs) en la lombriz *Eisenia fetida*
Name of the conference: CONDEGRES. VII Simposio Nacional de Control de la Degradación y Restauración de Suelos.
Type of participation: Participatory - oral communication
City of event: Bilbao, Basque Country, Spain
Date of event: 23/06/2015
End date: 26/06/2015
Organising entity: Ihobe, S.A. **Type of entity:** Business
Nerea Garcia-Velasco; Amaia Irizar; Maite Gandariasbeitia; Erik Urionabarrenetxea; Manu Soto.
- 19** **Title of the work:** Determination of toxicity thresholds exerted by AgNPs on earthworm coelomocytes (eleocytes, amoebocytes) through viability and cytotoxicity bioassays combined with flow cytometry analysis
Name of the conference: 25th Annual Meeting of the SETAC-Europe.
Type of participation: Participatory - poster
City of event: Barcelona, Catalonia, Spain
Date of event: 03/05/2015
End date: 07/05/2017
Organising entity: SETAC Europe
Nerea Garcia-Velasco; Amaia Irizar; Felipe Goñi de Cerio; Javier Etxebarria; Ionan Marigómez; Manu Soto.
- 20** **Title of the work:** Establishment of AgNPs toxicity profiles and uptake routes in earthworms (*E. fetida*) combining Standardized OECD test and in vitro assay with coelomocytes
Name of the conference: 25th Annual Meeting of the SETAC-Europe
Type of participation: Participatory - oral communication
City of event: Barcelona, Catalonia, Spain
Date of event: 03/05/2015
End date: 07/05/2015
Organising entity: SETAC Europe
Nerea Garcia-Velasco; Maite Gandariasbeitia; Erik Urionabarrenetxea; Amaia Irizar; Ionan Marigómez; Manu Soto.
- 21** **Title of the work:** Toxicity screening of AgNPs and integrative assessment of soil health through biomarker responses in *E. fetida* earthworms
Name of the conference: NanoSpain (ImagineNano)
Type of participation: Participatory - oral communication
City of event: Bilbao,
Date of event: 10/03/2015
End date: 13/03/2015
Organising entity: NanoSpain
Nerea Garcia-Velasco; Amaia Irizar; Maite Gandariasbeitia; Erik Urionabarrenetxea; Manu Soto.
- 22** **Title of the work:** Introduction to Neutral Red Uptake: basic principles and applications in Ecotoxicology
Name of the conference: Workshop Sensitive Biomarkers in Ecotoxicology
Type of participation: Participatory - invited/keynote talk
City of event: Ponta Delgada, Região Autónoma dos Açores, Portugal
Date of event: 08/10/2014
End date: 10/10/2014
Organising entity: University of Azores



- 23** **Title of the work:** Toxicity screening of silver nanoparticles to *Eisenia fetida* earthworm through standardized OECD test and in vitro assays with coelomocytes
Name of the conference: SETAC Europe 24th Annual Meeting
Type of participation: 'Participatory - poster
City of event: Basel, Switzerland
Date of event: 11/05/2014
End date: 15/05/2014
Organising entity: SETAc Europe
Nerea Garcia-Velasco; Amaia Irizar; Ionan Marigómez; Manu Soto.
- 24** **Title of the work:** The wonderful nano world: are there any risk for the environment?
Name of the conference: IV Jornadas de Investigación de la Facultad de Ciencia y Tecnología
Type of participation: 'Participatory - poster
City of event: Leioa,
Date of event: 12/02/2014
End date: 13/02/2014
Organising entity: Facultad de Ciencia y Tecnología (UPV/EHU)
Alberto Katsumiti; Alba Jimeno-Romero; Unai Vicario-Pares; Jose Maria Lacave; Nerea Garcia-Velasco; Nerea Duroudier; A. Kakabayev; Eider Bilbao; Manu Soto; Amaia Orbea; Miren P. Cajaraville.
- 25** **Title of the work:** Lurzoruen osasunaren ebaluazioa espezie zentinelan bidez; maila molekularretik populazio mailara
Name of the conference: Natur Zientzien I. Topaketa
Type of participation: 'Participatory - poster
City of event: Donostia-San Sebastian, Basque Country, Spain
Date of event: 09/11/2013
End date: 10/11/2013
Organising entity: Udako Euskal Unibertsitatea (UEU)
Amaia Irizar; Nerea Garcia-Velasco; Amaia Rodriguez-Ruiz; Beñat Zaldibar; Manu Soto; Ionan Marigómez.
- 26** **Title of the work:** *Dictyostelium discoideum* developmental responses to Cu polluted soils
Name of the conference: 9th Iberian and 6th Iberoamerican Congress on Environmental Contamination and Toxicology (CICTA)
Type of participation: 'Participatory - poster
City of event: Valencia, Spain
Date of event: 01/07/2013
End date: 04/07/2013
Organising entity: CICTA
Amaia Rodriguez-Ruiz; Nerea Garcia-Velasco; Manu Soto; Ionan Marigómez.
- 27** **Title of the work:** Novel application of lysosomal marker enzymes in *Eisenia fetida* earthworms to assess the effects produced by thermal stress and cadmium exposure in soils
Name of the conference: 9th Iberian and 6th Iberoamerican Congress on Environmental Contamination and Toxicology (CICTA)
Type of participation: 'Participatory - poster
City of event: Valencia, Spain
Date of event: 01/07/2013
End date: 04/07/2013
Organising entity: CICTA
Nerea Garcia-Velasco; Amaia Irizar; Urtzi Izagirre; Manu Soto.



- 28** **Title of the work:** Study of thermal stress in soil health assessment: effects of temperature in cell biomarkers, acute toxicity and reproduction of *Eisenia fetida* earthworm
Name of the conference: SETAC Europe 23rd Annual Meeting
Type of participation: 'Participatory - poster
City of event: Glasgow, United Kingdom
Date of event: 12/05/2013
End date: 16/05/2013
Organising entity: SETAC Europe
Nerea Garcia-Velasco; Amaia Irizar; Ionan Marigómez; Manu Soto.
- 29** **Title of the work:** Assessment of the impact of an abandoned dump site on the health of adjacent soil ecosystems by in vivo and in vitro testing with *Eisenia fetida*
Name of the conference: SETAC Europe 22nd Annual Meeting
Type of participation: Participatory - oral communication
City of event: Berlin, Germany
Date of event: 20/05/2012
End date: 24/05/2012
Organising entity: SETAC Europe
Amaia Irizar; Nerea Garcia-Velasco; Dani Buey; Javier Etxebarria; Ionan Marigómez; Manu Soto.
- 30** **Title of the work:** Soil health assessment through primary coelomocyte culture of *Eisenia fetida*: In vitro exposures to elutriates of artificially contaminated soils and real soils
Name of the conference: SETAC Europe 21st Annual Meeting
Type of participation: 'Participatory - poster
City of event: Milan, Italy
Date of event: 15/05/2011
End date: 19/05/2011
Organising entity: SETAC Europe
Amaia Irizar; Nerea Garcia-Velasco; Dani Buey; Manu Soto; Ionan Marigómez.

Other dissemination activities

- 1** **Title of the work:** Plentzia Marine Station dissemination in Bermeo Fish Market
Name of the event: Bermeo Fish Market
City of event: Bermeo,
Date of event: 14/05/2019
- 2** **Title of the work:** Euskampus Bordeaux Eguna 2018
City of event: Donostia-San Sebastian,
Date of event: 30/11/2018
Organising entity: UPV/EHU, U. Bordeaux
- 3** **Title of the work:** Workshop and Conferences for PhD in Environmental Sustainability
Name of the event: INGURU-DOK
Date of event: 19/10/2018
- 4** **Title of the work:** UPV/EHU in the sea
City of event: Bilbao,
Date of event: 16/08/2018
Organising entity: UPV/EHU



- 5** **Title of the work:** XVI Science, Technology and Innovation week Bilbao
Type of event: Fairs and exhibitions
City of event: Bilbao, 02/11/2016, Spain
Date of event: 02/11/2016
Organising entity: UPV/EHU, Bilbao city
- 6** **Title of the work:** XV Science, Technology and Innovation week Bilbao
Type of event: Fairs and exhibitions
City of event: Bilbao, 02/11/2015, Spain
Date of event: 02/11/2015
Organising entity: UPV/EHU, Bilbao city
- 7** **Title of the work:** XIV Science, Technology and Innovation week Bilbao
Type of event: Fairs and exhibitions
City of event: Bilbao, 02/11/2014, Spain
Date of event: 02/11/2014
Organising entity: UPV/EHU, Bilbao city
- 8** **Title of the work:** XIII Science, Technology and Innovation week Bilbao
Type of event: Fairs and exhibitions
City of event: Bilbao, 02/11/2013, Spain
Date of event: 02/11/2013
Organising entity: UPV/EHU, Bilbao city
- 9** **Title of the work:** XII Science, Technology and Innovation week Bilbao
Type of event: Fairs and exhibitions
City of event: Bilbao, 07/11/2012, Spain
Date of event: 07/11/2012
Organising entity: UPV/EHU, Bilbao city
- 10** **Title of the work:** XI Science, Technology and Innovation week Bilbao
Type of event: Fairs and exhibitions
City of event: Bilbao, 03/11/2011, Spain
Date of event: 03/11/2011
Organising entity: UPV/EHU, Bilbao city



R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1** **Committee title:** European Society for Comparative Physiology and Biochemistry (ESCP)
Start-End date: 02/09/2012 - 02/09/2014
- 2** **Committee title:** Sociedad Iberoamericana de Contaminación y Toxicología Ambiental (SICTA)
Start-End date: 01/07/2013 - 01/07/2014

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** University of Aarhus
Faculty, institute or centre: Centre of Bioscience
City of entity: Silkeborg, Danmark, Denmark
Start-End date: 18/05/2015 - 21/08/2015 **Duration:** 3 months - 3 days
Goals of the stay: Doctorate
Provable tasks: The influence of humoral immunity of the coelomic fluid in cell and molecular biomarkers of isolated leucocytes and amoebocytes exposed to AgNPs
- 2** **Entity:** University of Azores
City of entity: Ponta Delgada, Região Autónoma dos Açores, Portugal
Start-End date: 08/10/2014 - 10/10/2014
Goals of the stay: Guest
Provable tasks: Workshop in Sensitive Biomarkers in Ecotoxicology, lesson and practical
- 3** **Entity:** Italian Physiological Society
Faculty, institute or centre: University of Piemonte Orientale
City of entity: Alessandria, Italy
Start-End date: 17/06/2013 - 20/06/2013
Goals of the stay: Guest
Provable tasks: Course of Environmental Physiology of the School of Physiology and biophysics

Obtained grants and scholarships

- 1** **Name of the grant:** Mobility grant for international research stays
Aims: Pre-doctoral
Awarding entity: UPV/EHU
Conferral date: 15/05/2015 **Duration:** 3 months
End date: 20/08/2015
Entity where activity was carried out: Aarhus University
Faculty, institute or centre: Centre of Bioscience



- 2** **Name of the grant:** Grant for attending International Congress
Aims: Pre-doctoral
Awarding entity: UPV/EHU
Conferral date: 11/05/2014
End date: 15/05/2014

Summary of other achievements

- 1** **Description of the achievement:** Sanitary waste management. 3h
Accrediting entity: UPV/EHU
Conferral date: 20/11/2018
- 2** **Description of the achievement:** Flow Cytometry Course: Cellular analysis and sorting. 12h.
Accrediting entity: PiE-UPV/EHU
Conferral date: 24/11/2017
- 3** **Description of the achievement:** Clasificación, minimization and treatment of hazardous waste in the UPV/EHU. 4h.
Accrediting entity: UPV/EHU
Conferral date: 24/01/2017
- 4** **Description of the achievement:** Hazardous waste management in the laboratory Course 2h.
Accrediting entity: UPV/EHU.
Conferral date: 16/11/2016
- 5** **Description of the achievement:** BioTek Cytation 5 plate Analyzer user Course . 12h.
Accrediting entity: PiE-UPV/EHU
Conferral date: 24/02/2016
- 6** **Description of the achievement:** Nikon microscopy technics Course. 8h.
Accrediting entity: PiE-UPV/EHU.
Conferral date: 22/02/2016
- 7** **Description of the achievement:** NanoZoomer S210 slide scanner user Course.8h.
Accrediting entity: PiE-UPV/EHU.
Conferral date: 12/01/2016
- 8** **Description of the achievement:** Arcturus Cell and Tissue Microdissector Course. 16h.
Accrediting entity: PiE-EHU/UPV
Conferral date: 17/12/2015
- 9** **Description of the achievement:** Challenges for Basque soil management strategy .30h.
Accrediting entity: XXVI edición de los Cursos de Verano de la UPV/EHU.
Conferral date: 30/07/2014
- 10** **Description of the achievement:** Water purification in the laboratory . 8h.
Accrediting entity: Merck Millipore, PiE-UPV/EHU
Conferral date: 30/10/2013



- 11** **Description of the achievement:** Course for Experimental Design. 18h.
Accrediting entity: UFI11/52 Matemáticas y Aplicaciones, UPV/EHU.
Conferral date: 05/10/2012
- 12** **Description of the achievement:** Congreso IVTIP Spring meeting 'Safety assessment of nanomaterials: current status and challenges ahead'
Accrediting entity: Centro Tecnológico Gaiker **Type of entity:** Technological Centre
Conferral date: 19/04/2012
- 13** **Description of the achievement:** Introduction to Bioinformatics Course.
Accrediting entity: C.O.B Euskadi
Conferral date: 28/03/2012
- 14** **Description of the achievement:** Environmental management in companies Course. 30h.
Accrediting entity: Adhoc
Conferral date: 17/12/2009