

Nationality: French

Date of Birth: 17-07-1966

Email: epoulin@uchile.cl

Phone: (+56)965880037

ORCID 0000-0001-7736-0969

Elie POULIN

Molecular Ecologist



SUMMARY. After moving to Chile for a postdoctoral project, I had the opportunity to establish my own Laboratory in Molecular Ecology, an emergent discipline in Chile at that time. My research line covers the exciting fields of population genetics, ecology, and evolution, in order to assess the impact of past, present, and future environmental changes on biodiversity. I focus mainly on marine invertebrates and fishes, as well as marine birds and mammals, found in the southern part of South America as well as the Antarctic and Subantarctic regions. Currently, I am Full Professor and Director of the PhD program in Ecology and Evolutionary Biology in the Department of Ecological Sciences at Universidad de Chile. I am Director of the Millennium Institute of Biodiversity of Antarctic and Subantarctic Ecosystems (BASE), which is the highest level of scientific funding launched by the Chilean National Research Agency (ANID). Additionally, I am actively involved in science policy and conservation, as member of the Oceanographic National Committee, the Chilean Council of Antarctic Research, and as the national delegate for the International Science Committee on Antarctic Research (SCAR) Life Science group.

Scientific outcomes at a glance:



163 WoS
publications,
H-index 38



Main advisor of
22 PhD, 13 Master students,
and 9 postdoctoral fellows



Coordination and/or
participation to >20
funded projects



Undergrad and
postgraduate teaching
(130 h/yr, 8 courses)



>225 Presentations in
international conferences,
9 as key-note invited speaker



Director of Excellence
Research Center MI-BASE
(9,2 M€, 2021-2030)



>15 Scientific expeditions in
Antarctic/ Subantarctic
regions



International network of
collaboration (*Chile, France, UK,
Belgium, New Zealand, Brasil*)

Current Position

2017 – Present

Full professor. Director of the **Laboratory of Molecular Ecology**
Department of Ecological Sciences, Universidad de Chile, Santiago, Chile.

2021- Present

Director of the Millennium Institute of Biodiversity of Antarctic and Subantarctic Ecosystems (BASE), Santiago, Chile.

Past Positions

- 2009 – 2016** **Associate professor. Laboratory of Molecular Ecology (Poulin's Lab)**
Department of Ecological Sciences, Universidad de Chile, Santiago, Chile.
- 2003 – 2009** **Assistant professor. Laboratory of Molecular Ecology (Poulin's Lab)**
Department of Ecological Sciences, Universidad de Chile, Santiago, Chile.
- 1999 - 2003** **Associate researcher and Postdoctoral researcher.**
Department of Ecology, Pontificia Universidad Católica de Chile, Santiago, Chile.
“Larval transport and settlement of the mollusk *Concholepas concholepas*” and
“Chilean mackerel (*Trachurus murphyi*) stock identification in the South-East Pacific
using mtDNA sequences and microsatellites”. Supervisors Drs. J.C. Castilla and
P.Ojeda.
- 1998 - 1999** **Leader of diving expedition in the subantarctic Kerguelen Island.**
French Polar Institute (IPEV).
- 1997 - 1998** **Postdoctoral researcher.**
Department of Molecular and Cell Biology, CSIC, Barcelona, Spain. “Genetic structure
of the brooding ophiuroid *Amphipholis squamata*”. Supervisor: Dr. L. Cornudella).

Education

- 1992 – 1996** **PhD in Ecology and Evolution.**
Université Montpellier II, France. “Adaptative significance and evolutionary
consequences of brood-protection in the subantarctic marine benthic invertebrate
Abatus cordatus (Verrill, 1876) [Echinodermata: Spatangoida]”. Director: J.-P. Féral.
Oceanographic Observatory, Banyuls s/ Mer.
- 1990 – 1992** **National Service time** in the French Subantarctic Territory of Kerguelen Island.
Director: J.-P. Féral., Oceanographic Observatory, Banyuls s/ Mer.
- 1989 – 1990** **Diplôme d'Etudes Approfondies.**
Université Montpellier II, France. “Stability and polymorphism of the amplified
esterase B gene in *Culex pipiens* mosquito”. Directors: Drs. Nicole Pasteur and Michel
Raymond.
- 1987 – 1989** **Pregraduate. Biology of organisms and populations**
Université Pierre et Marie Curie, Paris VI, France.

On-going research projects

- 2021 – 2031** **Excellence Center – ICN2021_002.** Instituto Milenio BASE: “Biodiversity of Antarctic
and Subantarctic Ecosystems” (**Director**). Funded by: “Programa Iniciativa Científica
Milenio”, Chilean National Research Agency (ANID), 9,2 M€. <https://www.institutobase.cl/en/>
- 2023 – 2026** **ECOS/ANID ECOS220008.** “Monitoring of subantarctic alien species in Antarctic
Peninsula: setting-up a network of nearshore observing systems in Patagonia,
Kerguelen and Antarctica” (**Principal Investigator PI**). Mobility program France/Chile.
- 2026 – 2030** **FONDECYT regular 1200928.** “Sub-Antarctic or Cold-Temperate? Evaluating the Strait
of Magellan and Falkland Islands as Transitional Zones in Southern Ocean
Biogeography” (**Co-investigator**). Funded by: Chilean National Research Agency
(ANID), 250 k€.

Selection of most relevant past research projects

2021 – 2025	FONDECYT regular 1211672. Microbial biogeography in the Southern Ocean: from communities to oligotypes (<i>Co-investigator</i>). <u>Funded by:</u> Chilean National Research Agency (ANID). 250 k€.
2021 – 2025	FONDECYT regular 1210568. Genomic Adaptation to Polar environments: introgression, common ancestor adaptation or convergent evolution of Arctic and Antarctic seabirds? (<i>Co-investigator</i>). <u>Funded by:</u> Chilean National Research Agency (ANID). 250 k€.
2021 – 2025	FONDECYT regular 1210787. Does rafting allows connectivity across the Antarctic polar front? A case study of the direct developer periwinkle <i>Laevitorina caliginosa</i> GOULD 1849 (<i>Co-investigator</i>). <u>Funded by:</u> Chilean National Research Agency (ANID). 250 k€.
2021 – 2022	INACH RG_48_20. Genomic Adaptation: convergent evolution between Arctic puffins and Antarctic penguins? (<i>Co-investigator</i>). <u>Funded by:</u> Chilean National Antarctic Institute (INACH).
2017 – 2022	PIA CONICYT ACT172065. GAB: “Genomics insight into the past and present of Antarctic Biodiversity: a tool to assess the fate of a unique ecosystem in a changing world” (<i>Director</i>). <u>Funded by:</u> “Anillos de Investigación en Ciencia Antártica”, Chilean National Research Agency (ANID), 490 k€.
2015-2018	FONDECYT regular 1151336. “Diversification of the spiny plunderfish Harpagifer in the Southern Ocean” (<i>Principal Investigator PI</i>). <u>Funded by:</u> Chilean National Research Agency (ANID). 250 k€.
2008 – 2018	BASAL FINANCING PROGRAM for scientific and technological centers of excellence PFB-23. “Institute of Ecology and Biodiversity”. <u>Funded by:</u> “Programa de Investigación Asociativa” (<i>PI and research line leader</i>), Chilean National Research Agency (ANID), 8,5 M€.
2007-2009	ECOS CONICYT C06B02: “Origen and evolution of the Antarctic benthic marine fauna: Genetic diversity and molecular divergence between congeneric species of echinoids from Antarctica and South America” (<i>Principal Investigator PI</i>). Mobility program France/Chile.
2006 – 2016	Excellence Center – ICM P05-002. Instituto Milenio IEB: “Instituto de Ecología y Biodiversidad” (<i>PI and working group leader</i>). <u>Funded by:</u> “Programa Iniciativa Científica Milenio”, Chilean National Research Agency (ANID), 8 M€. https://ieb-chile.cl/en/
2004-2008	FONDECYT regular 1040785: “Genetic inference about the demographic history of small pelagic fish in the Eastern Pacific during the Late Quaternary” (<i>Principal Investigator PI</i>).. <u>Funded by:</u> Chilean National Research Agency (ANID). 200 k€.

Implication in science policy, Conservation and scientific societies

2025 – Present	Member of the Chilean National Committee for Biology of Antarctica InSync “ Antarctica International Science & Infrastructure for Synchronous Observation ”.
2021– Present	Member of board of directors of “ Corporation Instituto de Ecología y Biodiversidad ”.
2020 – 2022	President of the Chilean Society of Evolution .
2019 – Present	Member of board of directors and treasurer of the Foundation “Centro Subantártico Cabo de Hornos” , Puerto Williams, Chile
2018 – Present	Member of board of directors of the Chilean Society of Evolution .
2016 – Present	Leader of the “Biodiversity workgroup” of the Chilean National Oceanographic Committee (CONA) .
2016 – Present	Member of board of directors of Omora Foundation (non-profit organization dedicated to the conservation and research of natural environments in Patagonia).
2008 – Present	Member of the Chilean National Council of Antarctic Research (CNIA) . Nominated by Chilean Ministry of Foreign Office.
2008 – 2013	Work Package Leader: Patterns of gene flow and consequences for population dynamics: Isolation as a driving force. SCAR Research Program “Evolution and Biodiversity in the Antarctic (EBA-SCAR).
2006 – 2016	Member of board of directors and treasurer of “ Corporation Instituto de Ecología y Biodiversidad ” (scientific research corporation dedicated to the study of the ecology and biodiversity to contribute to the conservation and sustainable management of Chilean natural resources.)
2005 – Present	Member of the Scientific Committee of ReGeneC: “ Red de Genética para la Conservación en America Latina ”.

Collective responsibilities

2014 – Present	Director of the Academic Committee of the Doctorate in Ecology and Evolutionary Biology, Faculty of Sciences, University of Chile.
2004 – 2014	Member of the Academic Committee of the Doctorate in Ecology and Evolutionary Biology, Faculty of Sciences, University of Chile.
2018 – 2019	Member of the Qualification Committee, Faculty of Sciences, University of Chile
2012 v 2017	Member of Direction Council, Department of Ecological Sciences
2006 – 2007	Member of Direction Council, Department of Ecological Sciences

Teaching

The primary focus of my teaching is at the [University of Chile*](#); however, I have also made contributions to numerous courses across different universities in Chile such as P. Catholic university of Chile, Catholic University of Concepción, University of Concepción, University of Magallanes, University of Valparaíso.

Undergraduate courses:

- Conservation and Biodiversity*
- Evolution*
- Evolutionary Biology*
- Experimental Studies in Ecology
- Genetics*
- Genetics and Biological Evolution*
- Invertebrate Zoology*
- Population Genetics
- Scientific Diving
- Vertebrate Zoology*
- Zoology*

Postgraduate :

- Advanced Topics in Evolutionary Biology
- Antarctic Ecosystems*
- Biogeography: Diversity Space and Time*
- Conservation Genetics
- Frontiers in Ecology and Evolutionary Biology*
- Molecular Biology
- Molecular Ecology*

Postgraduate student supervision

PhD level

- | | |
|-----------------------|--|
| 2024 – Present | Francisco Pinilla, Adaptación en poblaciones pequeñas: perspectiva desde el ciervo más austral del mundo. Doctorate in Ecology and Evolutionary Biology, University of Chile. Advisor . |
| 2024 – Present | Carolina Marquéz, Evolución de <i>Abatus</i> (Echinoidea: Spatangoida) en el Océano Austral: Historia Demográfica, Diversidad Genómica y Señales de Adaptación en Ambientes Contrastantes. Doctorate in Ecology, P. Catholic University of Chile. Co-Advisor . |
| 2023 - Present | Melanie Delleuze, Spatiotemporal dynamics of the microbiota of <i>Abatus</i> (Echinodermata: Schizasteridae) from the Southern Ocean under a climate change scenario. Co-tutelle degrees: Doctorate in Sciences, mention Ecology and Evolutionary Biology, University of Chile / Doctorate in Sciences, mention Biodiversity, Ecology and Evolution, Université libre de Bruxelles, Belgium. Advisor . |
| 2022 – Present | Francisca Rodríguez, Diferenciación genética y adaptación local de <i>Cephalorhynchus commersonii</i> en América del Sur e Islas Kerguelen. Doctorate in Ecology and Evolutionary Biology, University of Chile. Co-Advisor . |

2020 – Present	Amy Guest, Sub-tidal ecology of the Falkland Islands and a biogeographical comparison with the Straits of Magellan and the Beagle Channel. PhD in Marine Biology, University of Aberdeen, Scotland. Co-Advisor .
2022 – 2024	Erwan Courville, Integrative analysis of extant and fossil data, morphological and molecular, to study the ecological and biogeographical evolution of the genus <i>Arbacia</i> Gray, 1835 (Echinoidea) during the Cenozoic. Co-tutelle degrees: Doctorate in Ecology and Evolutionary Biology, University of Chile / Doctorate in Environment and Health, Université de Bourgogne, France. Advisor .
2021 – 2024	Felipe Avello, Contribución relativa de la selección natural positiva y la deriva genética en las problemáticas sobre el rol creativo de la selección natural, el tamaño del efecto fenotípico de las mutaciones y la relación entre pleiotropía y tasa evolutiva molecular. Doctorate in Ecology and Evolutionary Biology, University of Chile. Advisor .
2020 – 2024	Sebastián Rosenfeld, Diferencias en el éxito evolutivo de tres géneros de Littorinidae Antárticos: una aproximación desde la Biogeografía histórica. Doctorate in Ecology and Evolutionary Biology, University of Chile. Advisor .
2019 – 2023	Valentina Bernal, Patrones de conectividad y selección en <i>Harpagifer antarcticus</i> a lo largo de Antártica Marítima. Doctorate in Ecology and Evolutionary Biology, University of Chile. Advisor .
2019 – 2023	Daly Noll, Divergencia ecológica y genómica de los linajes del pingüino papua (<i>Pygoscelis papua</i>) impulsada por su adaptación en ambientes contrastantes del Océano Austral. Doctorate in Ecology and Evolutionary Biology, University of Chile. Advisor .
2016 – 2022	Paola Poch, Determinando el Alto Valor Ecológico de las Formaciones Xerofíticas: Una mirada Científica desde la evolución al ecosistema. Doctorate in Ecology and Evolutionary Biology, University of Chile. Co-Advisor .
2016 – 2020	María-José Frugone, Filogeografía comparada de especies de pingüino del género <i>Eudyptes</i> : diversidad genómica y conductual en el Océano Austral. Doctorate in Ecology and Evolutionary Biology, University of Chile. Advisor .
2015 – 2022	Zambra López, Evaluación del potencial del cangrejo subantártico <i>Halicarcinus planatus</i> (Hymenosomatidae) para volverse el primer invasor marino en la Antártica: capacidad fisiológica y dispersiva. Doctorate in Ecology and Evolutionary Biology, University of Chile. Advisor .
2015 – 2020	Claudia Maturana, Biogeografía histórica del copépodo Antártico de agua dulce <i>Boeckella poppei</i> durante el Último Período Glacial: ¿Extinción masiva o Refugio In situ? Doctorate in Ecology and Evolutionary Biology, University of Chile. Advisor .
2014 – 2019	Patricio Pezo, Estudio de Señales de Adaptación Biológica en Poblaciones Descendientes de grupos Cazadores Recolectores Marinos de la Patagonia. Doctorate in Ecology and Evolutionary Biology, University of Chile. Co-Advisor .
2014 – 2019	Franco Cianferoni, Efecto de procesos demográficos recientes en la diversidad genética de dos especies del Género <i>Bombus</i> (Hymenoptera: Apidae) en Chile. Doctorate in Ecology and Evolutionary Biology, University of Chile. Advisor .
2013 – 2019	Esteban Oda, Efecto de los cambios demográficos cíclicos sobre la diversidad genética de una población de <i>Octodon degus</i> . Doctorate in Ecology and Evolutionary Biology, University of Chile. Advisor .

- 2013 – 2018** Nicolas Segovia, Adaptación local y dinámicas espacio-temporales en el tunicado *Pyura chilensis* Molina 1782 (Urochordata: Ascidiacea) a lo largo del sistema de Corriente de Humboldt. Doctorate in Ecology and Evolutionary Biology, University of Chile. [Advisor](#).
- 2013 – 2017** Esteban Botero, Patrones, estrategias y síndromes de dispersión en poblaciones del Rayadito *Aphrastura spinicauda* (Furnariidae) en dos ambientes contrastantes del centro y sur de Chile. Doctorate in Ecology and Evolutionary Biology, University of Chile. [Co-Advisor](#).
- 2008 – 2013** María José Pérez, Variación geográfica y determinantes de la distribución del delfín chileno, *Cephalorhynchus eutropia* (Gray 1846), a lo largo de la costa de Chile: Aproximación morfológica y molecular. Doctorate in Ecology and Evolutionary Biology, University of Chile. [Advisor](#).
- 2008 – 2013** Claudia Guerrero, Diferenciación genética y ecológica en el complejo *agassizii* del género *Orestias* en las cuencas de la Puna del noreste de Chile. Doctorate in Ecology and Evolutionary Biology, University of Chile. [Advisor](#).
- 2008 – 2012** Angie Díaz, Relaciones evolutivas y procesos de diversificación del género *Sterechinus* (Echinodermata: Echinoida) en las zonas profundas y someras del Océano Austral. Doctorate in Ecology and Evolutionary Biology, University of Chile. [Advisor](#).
- 2008 – 2012** Constanza Napolitano, Filogeografía, inferencia demográfica y genética de la conservación de la güiña (*Leopardus guigna*) en el sur de Sudamérica. Doctorate in Forestry, Agriculture, and Veterinary Sciences, University of Chile. [Advisor](#).
- 2007 – 2013** Rodrigo Moreno, Gradientes latitudinales y batimétricos de la riqueza de especies de poliquetos bentónicos a lo largo de la costa del Pacífico de Sudamérica. Doctorate in Ecology and Evolutionary Biology, University of Chile. [Advisor](#).
- 2007 – 2013** Michelle de Saint Pierre, Relaciones filogeográficas entre poblaciones humanas de origen amerindio del sur de Chile. Doctorate in Ecology and Evolutionary Biology, University of Chile. [Co-Advisor](#).
- 2006 – 2012** María-Cecilia Pardo, Aproximaciones filogeográficas para evaluar patrones de conectividad e historia demográfica en dos especies de pulpos, habitantes de distintas provincias biogeográficas de Sudamérica: Importancia de las glaciaciones y de las condiciones oceanográficas. Doctorate in Ecology and Evolutionary Biology, University of Chile. [Advisor](#).
- 2006 – 2010** Christian Ibañez, Estructura poblacional y diversidad genética de calamares con historias de vida contrastantes en el sistema de corrientes de Humboldt. Doctorate in Ecology and Evolutionary Biology, University of Chile. [Advisor](#).
- 2006 – 2010** Claudio González-Wevar, Biogeografía histórica y reciente en el género *Nacella* (Schumacher, 1817), a lo largo de su distribución en el Océano Austral. Doctorate in Ecology and Evolutionary Biology, University of Chile. [Advisor](#).
- 2006 – 2009** Pablo Valladares, Variación geográfica de la conducta antidepredatoria del *Octodon degus* (Molina 1782) bajo un contexto filogeográfico. Doctorate in Biomedical Science, University of Chile. [Co-Advisor](#).
- 2004 – 2007** Marcela Vidal, Variación geográfica en *Liolaemus pictus* (Liolaeminae) del Archipiélago de Chiloé: el rol de las glaciaciones y la insularidad en la divergencia molecular, fisiológica y morfológica. Doctorate in Ecology and Evolutionary Biology, University of Chile. [Co-Advisor](#).

Master level

- 2026 – Present** Alejandro Kamke, Patrones filogeográficos en la lapa antártica *Nacella concinna* (Strebel, 1908), integrando marcadores moleculares tradicionales con tecnología de nueva generación (SNPs). Master in Genetics. [Co-Advisor](#).
- 2024 – 2026** Fernando Moya, Análisis de forma y simetría bilateral en especies del género de erizos irregulares *Abatus*, y su efecto sobre la trayectoria de desplazamiento. Master in Biological Science, University of Chile. [Advisor](#).
- 2023 – 2026** Amanda Vásquez, Apolipoproteína E en Cetáceos: Explorando su Estructura y Función en el Contexto del Alzheimer. Master in Biological Science, University of Chile. [Advisor](#).
- 2020 – 2025** Elaine Ñuñez, Variación de la morfología craneal y perspectivas sobre la biología alimentaria de petreles y pardelas (Aves: Procellariidae) fósiles de Formación Bahía Inglesa. Master in Biological Science, University of Chile. [Advisor](#).
- 2019 – 2022** Constanza Millán, Diversidad genética y estructura poblacional de *Siphonaria lateralis* (Gould, 1846) en el Océano Austral. Master in Biological Science, University of Chile. [Advisor](#).
- 2018 – 2020** Simón Anguita, Patrones macro y microevolutivos en el complejo *Ectinogonia* (Coleoptera, Buprestidae) del desierto costero de Chile. Master in Biological Science, University of Chile. [Advisor](#).
- 2018 – 2019** Sebastián Kraft, Diversidad genética y grado de parentesco entre los individuos de *Globicephala melas* del varamiento ocurrido en Isla Clemente, Región de Aysén. Master in Biological Science, University of Chile. [Advisor](#).
- 2017 – 2020** Francisca Rodríguez, Mortalidad masiva en Chile y restos óseos: Estructura poblacional de *Balaenoptera borealis* revelado por análisis de ADN mitocondrial. Master in Biological Science, University of Chile. [Advisor](#).
- 2011 – 2015** Andrea Martínez, Filogeografía comparada en dos Echinoideos del Pacífico Sudeste: *Loxechinus albus* (Molina, 1782) y *Tetrapyrgus niger* (Molina, 1782). Master in Biological Science, University of Chile. [Advisor](#).
- 2011 – 2013** Mathias Hüne, Filogeografía y divergencia molecular entre especies del género *Harpagifer* (Richardson, 1844) de Antártica y Patagonia. Master in Science, University of Magellan. [Co-Advisor](#).
- 2010 – 2013** Fabiola Peña, Efectos del Cambio Climático sobre el tamaño poblacional de poblaciones de pingüinos del género *Pygoscelis* (Orden: Sphenisciformes) en la Isla Rey Jorge, Islas Shetland Sur. Una aproximación molecular. Master in Biological Science, University of Chile. [Advisor](#).
- 2008 – 2011** Pilar Salinas, Diversidad genética de *Galaxias maculatus* en el río Pascua y la zona de los fiordos. Master in Biological Science, University of Chile. [Advisor](#).
- 2008 – 2011** Claudia Maturana, Ciclo reproductivo y patrón de apareamiento en el equinoide incubante antártico, *Abatus agassizii* (Mortensen, 1910). Master in Biological Science, University of Chile. [Advisor](#).
- 2006 – 2009** Pamela Morales, Diferenciación genética en *Orestias ascotanensis* (Teleostei: Cyprinodontidae), pez endémico del Salar de Ascotán, altiplano chileno. Master in Biological Science, University of Chile. [Advisor](#).

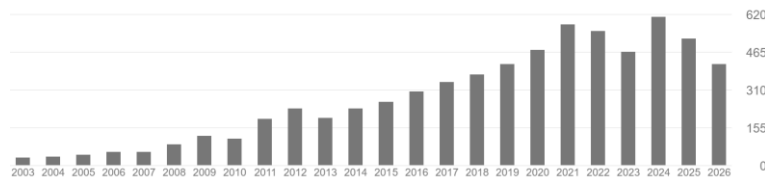
- 2005 – 2009** Gioconda Peralta, Patrones filogeográficos en el bivalvo *Mesodesma donacium* Lamarck (1818) macha en Chile. Master in Biological Science, University of Chile. [Advisor](#).
- 2005 – 2008** Angie Díaz, Origen y evolución de la fauna marina bentónica antártica: diversidad genética y divergencia molecular entre especies congénicas de Echinoidea de Antártica y Suramérica. Master in Biological Science, University of Chile. [Advisor](#).
- 2005 – 2008** Andrea Silva, Inferencia cronológica de la distribución antitropical en peces del Pacífico-Este mediante el uso de dos marcadores moleculares mitocondriales. Master in Biological Science, University of Chile. [Advisor](#).

Postdoctorate supervision

- 2024 – present** Dr. Camila Neder, “Species Distribution Models in Antarctic and Subantarctic areas”. Funded by: “Programa Iniciativa Científica Milenio”, Chilean National Research Agency (ANID).
- 2023 – 2024** Dr. Luis R. Pertierra, “Species Distribution Models in Antarctic and Subantarctic areas”. Funded by: “Programa Iniciativa Científica Milenio”, Chilean National Research Agency (ANID).
- 2022 – 2025** Dr. Guillaume Schwob, “Metagenomics for studies of the biodiversity of microbial and benthic, Antarctic and Subantarctic communities”. PIA CONICYT. Funded by: “Programa Iniciativa Científica Milenio”, Chilean National Research Agency (ANID).
- 2018 – 2020** Dr. Guillaume Schwob, “Biogeography of Antarctic and sub-Antarctic microbiota”. PIA CONICYT. Funded by: “Anillos de Investigación en Ciencia Antártica”, Chilean National Research Agency (ANID).
- 2018 – 2019** Dr. Nicolas Segovia, “Biogeography of marine fauna in the Southern Ocean”. PIA CONICYT. Funded by: “Anillos de Investigación en Ciencia Antártica”, Chilean National Research Agency (ANID).
- 2015 - 2017** Dra. Constanza Napolitano, “Emerging pathogens at the wildlife-domestic interface: FIV, FeLV and MHC selection in threatened guignas (*Leopardus guigna*) and sympatric domestic cats”. Funded by: Morris Animal Foundation, Fellowship Training Proposal.
- 2011 - 2014** Dr. Claudio González-Wevar, “Post-glacial recolonization patterns in resident and migratory populations of *Galaxias maculatus* along a latitudinal gradient”. Funded by: Chilean National Research Agency (ANID), FONDECYT Postdoctorado 3120075.
- 2010 – 2012** Dr. Christian Ibáñez, “Evolution of life history strategies of cephalopods”. Funded by: Chilean National Research Agency (ANID), FONDECYT Postdoctorado 3110152
- 2009 – 2011** Dr. Karin Gerard, “Genetic diversity and small scale population structure of *Abatus agassizii* (Mortensen, 1910), a brooding antarctic echinoid from Bahia Fildes, King Georges Island, South Shetland”. Funded by: Chilean National Research Agency (ANID), FONDECYT Postdoctorado 3100139.
- 2005 – 2007** Dr. Juan Carlos Marín, “Genetic diversity, population structure, and demographic history of Lama guanicoe: implications for its conservation and management”. Funded by: Chilean National Research Agency (ANID), FONDECYT Postdoctorado 3050046.

Scientific publications

01-08-2026



Cited by

	All	
Citations	6951	3152
h-index	44	29
i10-index	138	105

From 2020 to present

1. Courville, E., Mooi, R., Osborn, A., Portell, R., **Poulin**, E., Saucède, T. 2026. Insights into Atlantic-Pacific divergence in *Arbacia* (Echinoidea) using revised systematics of Neogene fossils from the Caribbean and southeastern United States. *Journal of Paleontology*, accepted.
2. Segovia Nicolas I., Valentina Bernal-Durán, Javier Naretto, Mathias Hüne, Thomas Saucède, Guillaume Schwob, Paul Brickle, Simon Morley, Ofer Gon, Tshoanelo Miya, Karin Gerard, Pilar A. Haye, Luis Vargas-Chacoff, Elie **Poulin**, Claudio González-Wevar. 2026. Biogeographic patterns of spiny plunderfishes *Harpagifer* (Notothenioidei: Harpagiferidae) reveal recent divergence and low genetic structure across the Southern Ocean. *Hydrobiologia*. DOI: 10.1007/s10750-026-06296-8.
3. León Fabiola, Claudia Ulloa-Contreras, Eduardo J. Pizarro, Pablo N. Castillo-Torres, Karla B. Díaz-Morales, Elisa Gutiérrez-Iturrieta, Ana Cláudia Franco, Francine C. B. Timm, Miguel L. Correa, Magdalena Johow, Christian Mathieu, Carolina Aguayo, Harm Van Bakel, Zain Khalil, Lucas Krüger, Elie **Poulin**, Catalina Pardo-Roa, Juliana A. Vianna. 2026. Seabirds' mortalities in Antarctica caused by HPAIV: Skuas as a sentinel species. *Epidemiology & Infection*, 154, e102, 1–9. DOI: 10.1017/S0950268826101733.
4. Noll Daly, Jane Younger, Luis R. Pertierra, Michelle Greve, Eduardo J. Pizarro, Fabiola León, Debora Y. C. Brandt, Joshua Tyler, Gemma Clucas, Hila Levy, W. Brian Simison, Julie McInnes, Pierre Pistorius, Céline Le Bohec, Francesco Bonadonna, Phil N. Trathan, Andrés Barbosa, Andrea Raya Rey, Gisele P.M. Dantas, Rauri C.K. Bowie, Elie **Poulin**, Juliana A. Vianna. 2026. Integrative evidence reveals adaptive divergence and speciation in gentoo penguins. *Communications Biology*, 9, 798. DOI: 10.1038/s42003-026-10081-7.
5. Rosenfeld S., C. S. Maturana, M. Valladares, H. G. Spencer, T. Saucède, P. Brickle, P. Vidal, G. Schwob, Q. Jossart, E. **Poulin**, C. González-Wevar. 2026. Tracing the Origins of Antarctic Periwinkles: A Molecular Perspective on *Laevilacunaria* Evolution. *Proceedings of the Royal Society B*, 293: 20252149. DOI: 10.1098/rspb.2025.2149.
6. Schwob Guillaume, Mélanie Delleuze, Gaspar Mejias, Sébastien Motreuil, Christian Marschal, Thomas Saucède, Julieta Orlando, Elie **Poulin**, Léa Cabrol. 2025. Gut microbiome plasticity and host resistance to ocean warming in sub-Antarctic sea urchins. *BMC Biology*, 23:343. DOI:10.1186/S12915-025-02448-9.
7. Ahumada Diego, Guillaume Schwob, Magdalena Osorio, Maria Astorga, Céline Lavergne, Nazli Olgun, Frederic Thalasso, Elie **Poulin**, Julieta Orlando, and Léa Cabrol. 2025. Higher variability of microbial communities across space than over time in Antarctic lakes. *Applied and Environmental Microbiology*, 0:e01079-25. DOI: 10.1128/aem.01079-25.
8. Moya Fernando, Thomas Saucède, Paul Brickle, Manuel J. Suazo, Jordan Hernández-Martelo, Elie **Poulin** and Hugo A. Benítez. 2025. Patterns of Directional and Fluctuating Asymmetry in Southern Ocean Sea Urchins. *Symmetry* 17: 1458. DOI: 10.3390/sym17091458

9. León F., C. Le Bohec, E. J. Pizarro, L. Baille, R. Cristofari, A. Houstin, D. P. Zitterbart, C. Ulloa-Contreras, G. Barriga, E. **Poulin**, J. A. Vianna. 2025. Tracking HPAIV H5 Through a Geographic Survey of Antarctic Seabird Populations. *Scientific Reports*, 15:29499. DOI: 10.1038/s41598-025-14651-3.
10. Moya Fernando, Guillaume Schwob, Natalia Ugas-Bravo, Mélanie Delleuze, Karin Gerard, Stéphanie Jacquet, Elie **Poulin**, Léa Cabrol, Hugo A. Benítez. 2025. Human footprint alters morphological traits and gut microbiome assembly of Antarctic sea urchins. *Marine Pollution Bulletin* 220:118448. DOI: 10.1016/j.marpolbul.2025.118448.
11. Maturana Claudia, Bernal Valentina, Gañán Melisa, Escobar Catalina, Rosenfeld Sebastián, Schwob Guillaume, Pokorny Matej, Guerrero Pablo, Convey Peter, **Poulin** Elie, Contador Tamara. 2025. Bridging the Scotia Arc: climate-driven shifts in connectivity of the freshwater crustacean *Branchinecta gaini* in sub-Antarctic and Antarctic ecosystems. *Diversity and Distributions*, 31:e70049. DOI: 10.1111/ddi.70049.
12. Jorquera Josefina, Lucila Morales, Elize Y. X. Ng, Daly Noll, Luis R. Pertierra, Patricio Pliscoff, Ulises Balza, Thierry Boulonier, Amandine Gamble, Tatiana Kasinsky, Julie C. McInnes, Juan Carlos Marín, Silvia Olmastroni, Pierre Pistorius, Richard A. Phillips, Elie **Poulin**, Rauri C. K. Bowie, Christopher P. Burridge, Juliana A Vianna. 2025. Genomic introgression and adaptation of southern seabird species facilitate recent polar colonization. *Molecular Biology and Evolution*, 42:1-20. DOI: 10.1093/molbev/msaf053.
13. León Fabiola, Claudia Ulloa-Contreras, Eduardo J. Pizarro, Pablo N. Castillo-Torres, Karla B. Díaz-Morales, Ana Cláudia Franco, Francine C. B. Timm, Miguel L. Corrêa, Lucas Krüger, Elie **Poulin**, Catalina Pardo-Roa, Juliana A. Vianna. 2025. Skuas mortalities linked to positives HPAIV A/H5 beyond Polar Antarctic Circle. *bioRxiv* 2025.03.02.640960. DOI: <https://doi.org/10.1101/2025.03.02.640960>.
14. Spencer Hamish G., Ceridwen I. Fraser, Elie **Poulin**, Claudio A. González-Wevar. Towards a More Integrative Theory of Long-distance Rafting. *Global Ecology and Biogeography*, 34:e70007. DOI: 10.1111/geb.70007.
15. Jorquera Josefina, Lucila Morales, Elize Y. X. Ng, Daly Noll, Luis R. Pertierra, Patricio Pliscoff, Ulises Balza, Thierry Boulonier, Amandine Gamble, Tatiana Kasinsky, Julie C. McInnes, Juan Carlos Marín, Silvia Olmastroni, Pierre Pistorius, Richard A. Phillips, Elie **Poulin**, Rauri C. K. Bowie, Christopher P. Burridge, Juliana A Vianna. 2025. Genomic introgression and adaptation of southern seabird species facilitate recent polar colonization. *Molecular Biology and Evolution*, 42:1-20. DOI: 10.1093/molbev/msaf053.
16. Courville, E., Mongiardino Koch, N, Jossart, Moreau, C., Mooi, R., Lessios, H.A., Diaz, A., Martinez Salinas, A., Saucède, T., **Poulin**, E. 2024. Phylogeny of *Arbacia* Gray, 1835 (Echinoidea) reveals diversification patterns in the Atlantic and Pacific Oceans. *Journal of Biogeography*, 52:722–734. DOI: 10.1111/geb.70007.
17. Delleuze Mélanie, Schwob Guillaume, Orlando Julieta, Gerard Karin, Saucède Thomas, Brickle Paul, **Poulin** Elie, Cabrol Léa. 2024. Habitat specificity modulates the bacterial biogeographic patterns in the Southern Ocean. *FEMS Microbiology Ecology*, fae134, DOI: 10.1093/femsec/fae134.
18. Millán-Medina Constanza, Marcelo Lizama, Thomas Saucède, Elie **Poulin**, Nicolás Segovia and Claudio Alejandro González-Wevar. 2024. Does rafting promote contemporary gene flow? Global and regional patterns of population genetic diversity and structure on the false limpet *Siphonaria lateralis* in the Southern Ocean. *Frontiers in Ecology and Evolution*, 12:1441397. DOI: 10.3389/fevo.2024.1441397.
19. Poch Paola, Elie **Poulin**, Fernanda Pérez, Gioconda Paz Peralta and Luis Felipe Hinojosa. 2024. Spatial patterns of congruence or mismatch between taxonomic, functional, and phylogenetic diversity and endemism of perennial flora along the aridity gradient of Chile. *Frontiers in Plant Science*, 15:1418673. DOI: 10.3389/fpls.2024.1418673.

20. Moya Fernando, Jordan Hernández, Manuel Suazo, Thomas Saucède, Paul Brickle, Elie **Poulin** & Hugo Benítez. 2024. Deciphering the Hearts: Geometric Morphometrics Reveals Shape Variation in Abatus Sea Urchins Across Subantarctic and Antarctic Seas. *Animals*: 14(16):2376; DOI: 10.3390/ani14162376.
21. Maturana Claudia, Tamara Contador, Felipe L Simões, Moisés A. Valladares, Paula Vidal, Melisa Gañán, Claudio Alejandro González-Wevar, Elie **Poulin**, Chester John Sands, Edgar Clive Turner and Peter Convey. 2024. Ancient diversification in extreme environments: Exploring the historical biogeography of the Antarctic winged midge *Parochlus steinenii* (Diptera: Chironomidae). *Frontiers in Ecology and Evolution*, DOI: 10.3389/fevo.2024.1393376.
22. Moreno-Mendoza Rigoberto, Erwan Courville, Luis Enrique Ángeles-González, Julio Duarte, Marc Carulla, Daniel Malfanti-Bravo, Andrés Mena-Auladell, Thomas Saucède, Nuno Simões & Elie **Poulin**. 2024. A new morphotype description of *Arbacia spatuligera* Valenciennes, 1846 (Arbacioida, Echinoidea) and bathymetric range extension from mesophotic reefs of the central coast of Chile. *Journal of the Marine Biological Association of the United Kingdom*, 104, e48, 1–10. <https://doi.org/10.1017/S0025315424000389>.
23. Bernal-Durán Valentina, David Donoso, Andrea Piñones, Per R. Jonsson, Laura Benestan, Mauricio F. Landaeta, Javier Naretto, Karin Gerard, Pilar A. Haye, Claudio Gonzalez-Wevar, Elie **Poulin** & Nicolás I. Segovia. 2024. Combining population genomics and biophysical modeling to assess connectivity patterns in an Antarctic fish. *Molecular Ecology*, 33:e17360. DOI: 10.1111/mec.17360.
24. Schwob Guillaume, Léa Cabrol, Thomas Saucède, Karin Gérard, Elie **Poulin**, & Julieta Orlando. 2024. Unveiling the co-phylogeny signal between plunderfish *Harpagifer* spp. and their gut microbiomes across the Southern Ocean, 0:e03830-23. DOI: 10.1128/spectrum.03830-23.
25. González-Wevar Claudio, Yarleth Poveda, Nicolás I. Segovia, Sebastian Rosenfeld, Claudia Soledad Maturana, Vanessa Jeldres, Andreas Schmider- Martínez, Karin Gerard, Hamish Spencer and Elie **Poulin**. 2024. Both high and low dispersal? Apparently contradictory genetic patterns in the Antarctic littorinid gastropod *Laevilacunaria antarctica*. *Frontiers in Ecology and Evolution* 11:1320649. DOI: 10.3389/fevo.2023.1320649
26. Rosenfeld Sebastián, Nicolás I. Segovia, Claudia Maturana, Cristián Aldea, Thomas Saucède, Paul Brickle, Hamish G. Spencer, Elie **Poulin**, Claudio A. González-Wevar. 2023. A revision of the higher latitude periwinkle species *Laevitorina caliginosa* sensu lato. *Zoological Journal of the Linnean Society*, In press. DOI: 10.1093/zoolinnean/zlad171
27. Courville Erwan, Elie **Poulin**, Thomas Saucède, Rich Mooi, Haris Lessios, Andrea Martínez Salinas, Angie Diaz. 2023. Taxonomic reassessment of *Tetrapyrgus niger* (Arbacioida, Echinoidea): molecular and morphological evidence supports its attribution to the genus *Arbacia*. *Zootaxa* 5375: 249–261. DOI: 10.11646/zootaxa.5375.2.6
28. Schmider-Martínez Andreas, Claudia S. Maturana, Yarleth Poveda, Sebastián Rosenfeld, Zambra López-Farrán, Thomas Saucède, Elie **Poulin**, Claudio González-Wevar. 2023. *Laevilacunaria* (Mollusca, Gastropoda) in the Southern Ocean: A comprehensive occurrence dataset. *Biodiversity Data Journal* 11: e111982. DOI: 10.3897/BDJ.11.e111982
29. Nigenda-Morales Sergio F. Meixi Lin, Paulina G. Nuñez-Valencia, Christopher C. Kyriazis, Annabel C. Beichman, Jacqueline A. Robinson, Aaron Ragsdale, Jorge Urbán-Ramírez, Frederick I. Archer, Lorena Vilorio-Gómora, María José Pérez-Álvarez, Elie **Poulin**, Kirk E. Lohmueller, Andrés Moreno-Estrada, Robert K. Wayne. 2023. The genomic footprint of whaling and isolation in fin whale populations. *Nature Communication*, 14:5465. DOI: 10.1038/s41467-023-40052-z
30. González-Wevar Claudio Alejandro, María Carla De Aranzamendi, Nicolás I. Segovia, Sebastian Rosenfeld, Claudia S Maturana, Cristián Rios Molina, Paul Brickle, Cristina N Gardenal, Ricardo Bastida and Elie **Poulin**. 2023. Genetic footprints of Quaternary glacial cycles over the patterns of

- population diversity and structure in three *Nacella* (Patellogastropoda: Nacellidae) species across the Magellan province in southern South America. *Frontiers in Marine Science*, 10:1154755. DOI: 10.3389/fmars.2023.1154755.
31. Courville E., R. Mooi, E. Poulin & T. Saucède. *Arbacia ballenensis* sp. nov. (Echinoidea, Arbacioida): A new species reveals diversification of the genus in Central America. *Zootaxa* 5336: 555-566. DOI: 10.11646/zootaxa.5336.4.6
 32. Kraft S, Rodríguez, F, Olavarría C, **Poulin** E & Pérez-Álvarez MJ. Genetic Analysis as a Tool to Improve the Monitoring of Stranded Cetaceans in Chile. *Biology* 2023, 12: 748. DOI:10.3390/biology12050748.
 33. Napolitano Constanza, Irene Sacristán, Francisca Acuña, Emilio Aguilar, Sebastián García, María José López-Jara, Javier Cabello, Ezequiel Hidalgo-Hermoso, Elie **Poulin**, Catherine E. Grueber. 2023. Assessing micro-macroparasite selective pressures and anthropogenic disturbance as drivers of immune gene diversity in a Neotropical wild cat. *Science of the Total Environment*, 166289. DOI: 10.1016/j.scitotenv.2023.166289.
 34. Courville Erwan, Melissa González, F. Amaro Mourgues, Elie **Poulin**, Thomas Saucède. 2023. New species of the genus *Arbacia* (Echinoidea, Arbaciidae) from the Neogene of Chile. *Ameghiniana*, 60(3):216–235. DOI: 10.5710/AMGH.01.03.2023.3536.
 35. Rosenfeld Sebastián, Claudia Maturana, Melisa Gañan, Javier Rendoll Cárcamo, Angie Díaz, Tamara Contador, Cristian Aldea, Claudio González-Wevar, Julieta Orlando, Elie **Poulin**. 2023 Revealing the hidden biodiversity of Antarctic and the Magellanic Sub-Antarctic Ecoregion: A comprehensive study of aquatic invertebrates from the BASE Project. *Biodiversity Data Journal* 11:e108566, DOI: 10.3897/BDJ.11.e108566.
 36. Correa C.G. Margarita, Ferran Palero, Vitor C. Pacheco da Silva, M. Bora Kaydan, Jean-Francois Germain, Shaaban Abd-Rabou, Kent M. Daane, Arturo Cocco, Elie **Poulin** & Thibaut Malausa. 2023. Identifying cryptic species of *Planococcus* (Hemiptera: Pseudococcidae) infesting vineyards to improve control efforts. *Journal of Pest Science* 96:573–586. DOI: 10.1007/s10340-022-01532-1
 37. Maturana Claudia S., Elisabeth M. Biersma, Angie Diaz, Claudio González-Wevar, Tamara Contador, Peter Convey, Jennifer A. Jackson & Elie **Poulin**. 2022. Survivors and colonizers: contrasting biogeographic histories reconciled in the Antarctic freshwater copepod *Boeckella poppei*. *Frontiers in Ecology and Evolution*, 10:1012852. DOI: 10.3389/fevo.2022.1012852.
 38. Rosenfeld Sebastián, Claudia S. Maturana, Hamish G. Spencer, Peter Convey, Thomas Saucède, Paul Brickley, Francisco Bahamonde, Quentin Jossart, Elie **Poulin**, Claudio Gonzalez-Wevar. 2022. Complete distribution of the genus *Laevilitorina* (Littorinimorpha: Littorinidae) in the Southern Hemisphere: remarks and natural history. *ZooKeys* 1127: 61–77. DOI: 10.3897/zookeys.1127.91310.
 39. Ricardo Rozzi, Claudio S. Quilodrán, Esteban Botero-Delgadillo, Ramiro Daniel Crego, Constanza Napolitano, Omar Barroso, Roy MacKenzie, Juan Carlos Torres-Mura, Camila Brav, Silvina Ippi, Verónica Quirici, Juan Rivero-de-Aguilar, Cristián G. Suazo, Bernard Goffinet, Bart Kempenaers, Elie **Poulin** & Rodrigo A. Vásquez. 2022. *Aphrastura subantarctica*: the Subantarctic Rayadito, a new bird species on the Southernmost islands of the Americas. *Scientific Reports*, 12, 13957. DOI: 10.1038/s41598-022-17985-4.
 40. Anguita-Salinas Simón, Rodrigo Moises Barahona-Segovia, Elie **Poulin**, Alvaro Zúñiga-Reinoso. 2022. Genetic-morphological uncoupling and crypsis in *Ectinogonia* (Coleoptera: Buprestidae) suggest a complex evolutionary history in these polymorphic jewel beetles from Chile. *Biological Journal of the Linnean Society*, 137(4):613-625 blac075. DOI: 10.1093/biolinnean/blac075
 41. González-Wevar Claudio, Segovia Nicolás, Rosenfeld Sebastián, Maturana Claudia, Jeldres Vanessa, Pinochet Ramona, Saucède Thomas, Morley Simon, Brickley Paul, Wilson Nerida, Spencer

- Hamish & **Poulin** Elie. 2022. Seven snail species hidden in one: Biogeographic diversity in an apparently widespread periwinkle in the Southern Ocean. *Journal of Biogeography*, 49:1521-1534. DOI: 10.1111/jbi.14453
42. Ippi Silvina, Camila Bravo, Esteban Botero-Delgadillo, Elie **Poulin** & Rodrigo A. Vásquez. 2022. Mobbing behavior in non-breeding flocks of a passerine bird in northern Patagonia. *Behaviour*, 159:759-780. DOI:10.1163/1568539X-bja10149.
 43. Hurley Michael J, Claudio Urrea, Bernardo M Garduno, Agostino Bruno, Allison Kimbell, Brent Wilkinson, Cristina Marino-Buslje, Marcelo Ezquer, Fernando Ezquer, Pedro Francisco Fernandez Aburto, Elie **Poulin**, Rodrigo A Vásquez, Robert Deacon, Ariel Ávila, Francisco Altimiras, Peter Vanderklisch, Claudio Angione, Guido Zampieri, Gabriele Constantino, Todd C Holmes, Marcelo Pablo Coba, Xiangmin Xu and Patricia Cogram. 2022. Genome sequencing variations in the *Octodon degus*, an unconventional natural model of aging and Alzheimer's disease. *Frontiers in Aging Neuroscience*, 14. DOI:10.3389/fnagi.2022.894994
 44. Astorga Marcela P., Andrea Valenzuela, Nicolás I. Segovia, Elie **Poulin**, Luis Vargas-Chacoff, Claudio A. González-Wevar. 2022. Contrasting patterns of genetic diversity and divergence between landlocked and migratory populations of fish *Galaxias maculatus*, evaluated through mitochondrial DNA sequencing and nuclear DNA microsatellites. *Frontiers in Genetics, section Evolutionary and Population Genetics*, 13. DOI: 10.3389/fgene.2022.854362
 45. Segovia Nicolás, González-Wevar Claudio, Naretto Javier, Rosenfeld Sebastián, Hüne Mathias, Brickle Paul, Bernal Valentina, Haye Pilar, **Poulin** Elie. 2022. The right tool for the right answer: Contrasting biogeographic patterns in the notothenioid fish *Harpagifer spp* along the Magellan province. *Proceedings of the Royal Society B*, 289: 20212738. DOI:10.1098/rspb.2021.2738.
 46. Noll D, Leon F., Pistorius P., Le Bohec C., Bonadonna F., Trathan P., Barbosa A., Raya Rey A., Dantas G.P.M., Bowie R.C.K., **Poulin** E., Vianna J. 2022. Positive selection over the mitochondrial genome and its role in the diversification of gentoo penguins in response to adaptation in isolation. *Scientific Reports*, 12:3767. DOI: 10.1038/s41598-022-07562-0.
 47. Kraft S., MJose Perez-Alvarez, Carlos Olavarria, Rodrigo Moraga, Charles S. Baker, Debbie Steel, Paul Tixier, Christophe Guinet, Amélia Viricel, Paul Brickle, Marina Costa, Enrique Crespo, Cristian Durante, Rocio Loizaga, Elie **Poulin**. 2021. From settlers to subspecies: Genetic differentiation in Commerson's dolphins between South America and the Kerguelen Islands. *Frontiers in Marine Science*, 8:782512. DOI: 10.3389/fmars.2021.782512.
 48. Frugone María José, Theresa L. Cole María Eugenia López, Gemma Clucas, Pável Matos Maraví, Nicolás A. Lois, Pierre Pistorius, Francesco Bonadonna, Phil Trathan, Andrea Polanowski, Barbara Wienecke, Andrea Raya-Rey, Klemens Pütz, Antje Steinfurth, Ke Bi, Cynthia Y. Wang-Claypool, Jonathan M. Waters, Rauri C. K. Bowie, Elie **Poulin**, Juliana A. Vianna. 2021. Taxonomy based on limited genomic markers may underestimates species diversity of rockhopper penguins and threaten their conservation. *Diversity and Distributions*, 27:2277–2296. DOI: 10.1111/ddi.13399
 49. Maturana Claudia, Rosenfeld Sebastián, Biersma, Elisabeth, Segovia Nicolás, González-Wevar Claudio, Díaz Angie, Naretto Javier, Duggan Ian, Hogg Ian, **Poulin** Elie, Convey Peter & Jennifer Jackson. 2021. Historical biogeography of the Gondwanan freshwater genus *Boeckella* (Crustacea): Timing and modes of speciation in the Southern Hemisphere. *Diversity and Distributions*, 27:2330–2343. DOI: 10.1111/ddi.13405.
 50. Moreno R.A., Labra F.A., Cotoras D.D., Camus P.A., Gutiérrez D., Rozbaczyllo N., **Poulin** E., Lagos N.A., Zamorano D. & M. M Rivadeneira. 2021. Evolutionary drivers of the hump-shaped latitudinal gradient of benthic polychaete species richness along the Southeastern Pacific coast. *PeerJ* 9:e12010. DOI 10.7717/peerj.12010

51. Pérez-Álvarez María José, Francisca Rodríguez, Sebastián Kraft, Nicolás Segovia, Carlos Olavarria, C. Scott Baker, Debbie Steel, Naoko Funahashi, Verena Häussermann, Mauricio Ulloa, Camilo Naretto, Elie **Poulin**. 2021. Phylogeography and demographic inference of the endangered sei whale based on new data from the North and South Pacific and their implications in conservation. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 31: 3554-3563. DOI: 10.1002/aqc.3717.
52. Féral J.P., Verlaque M., Rosenfeld S., **Poulin** E., Chenuil A. & T. Saucède. 2021. The marine vegetation of the Kerguelen Islands: history of scientific campaigns, inventory of the flora and first analysis of its biogeographical affinities. *Cryptogamie, Algologie* 42: 173-216. DOI: 10.5252/cryptogamie-algologie2021v42a12.
53. Schwob Guillaume, Nicolas I Segovia, Claudio A González-Wevar, Léa Cabrol, Julieta Orlando & Elie **Poulin**. 2021. Exploring the microdiversity within marine bacterial taxa: Towards an integrated biogeography in the Southern Ocean. *Frontiers in Microbiology*, 12:703792. Doi: 10.3389/fmicb.2021.703792.
54. Sacristán I., Esperón F., Pérez R., Acuña F., Aguilar E., García S., López M.J., Neves E., Cabello J., Hidalgo E., Terio K.A., Millán J., **Poulin** E. & C. Napolitano. 2021. Epidemiology, molecular characterization and risk factors of Carnivore protoparvovirus-1 infection and disease in the wild felid *Leopardus guigna* in Chile. *Transboundary and Emerging Diseases*, 68:3335-3348. DOI: 10.1111/tbed.13937
55. Pérez-Alvarez MJ, Kraft S, Segovia N, Olavarria C, Nigenda-Morales S, Urbán J, Viloria-Gómora L, Archer F., Moraga R., Sepúlveda M, Santos-Carvallo M, Pavez G and E **Poulin**. 2021. Contrasting phylogeographic patterns among Northern and Southern Hemisphere fin whale populations with new data from the Southern Pacific. *Frontiers in Marine Science*, 8:630233. DOI: 10.3389/fmars.2021.630233
56. López-Farran Zambra, Guillaumot Charlène, Vargas-Chacoff Luis, Paschke Kurt, Dulière Valérie, Danis Bruno, **Poulin** Elie, Saucède Thomas, Waters Jonathan, Gérard Karin. 2021. Is the southern crab *Halicarcinus planatus* (Fabricius, 1775) the next invader of Antarctica? *Global Change Biology* 27:3487-3504. DOI: 10.1111/gcb.15674
57. Pascal P.-Y., Reynaud Y., **Poulin** E., De Ridder C. & T. Saucède. 2021. Feeding in spatangoids: the case of *Abatus cordatus* in the Kerguelen Islands (Southern Ocean). 2021. *Polar Biology*, 44:795–808. DOI: 10.1007/s00300-021-02841-4
58. Sacristán I., Acuña F., Aguilar E., García S., López M.J., Cabello J., Hidalgo-Hermoso E., Sanderson J., Terio K., Barrs V., Beatty J., Johnson W., Millan J., **Poulin** E. & C. Napolitano. 2021. Cross-species transmission of retroviruses among domestic and wild felids in human-occupied landscapes in Chile. *Evolutionary Applications* 14: 1070-1082. DOI: 10.1111/eva.13181.
59. Rosenfeld Sebastián, Cristian Aldea, Zambra López, Claudia S. Maturana, Jaime Ojeda, Francisco Bahamonde, Camille Detrée, Elie **Poulin** & Karin Gérard. 2021. Unveiling the unknown phylogenetic position of the scallop *Austrochlamys natans*: implications for the fishery and conservation in the Magallanes Region. *Scientific Reports*, 11: 7241. DOI: 10.1038/s41598-021-86492-9
60. Zapararte M.B., Ramírez-Pizarro F., Landaeta-Aqueveque C., **Poulin** E., Ortega R. and C. Napolitano. 2021. Molecular survey of parvovirus and Mycoplasma spp. in invasive American minks (Neovison vison) from southern Chile. *Journal of Wildlife Diseases* 57: 234-237. DOI: 10.7589/JWD-D-20-00047
61. González-Wevar CA, Segovia NI, Rosenfeld S, Noll D, Maturana CS, Hüne M, Naretto J, Gérard K, Díaz A, Spencer HG, Saucède T, Féral J-P, Morley SA, Brickle P, Wilson NG and **Poulin** E. 2021. Contrasting biogeographical patterns in *Margarella* (Gastropoda: Calliostomatidae: Margarellinae)

across the Antarctic Polar Front. *Molecular Phylogenetics and Evolution* 156: 107039. DOI: 10.1016/j.ympev.2020.107039.

62. Ricardo Rozzi, Ramiro D. Crego, Tamara Contador, Elke Schüttler, Sebastián Rosenfeld, Roy Mackenzie, Omar Barroso, Eduardo A. Silva-Rodríguez, Ximena Álvarez-Bustos, Alejandra Silva, Irene Ramírez, José Mella, Jorge Herreros, Javier Rendoll-Cárcamo, Johanna Marambio, Jaime Ojeda, Felipe Méndez, Kelli P. Moses, James Kennedy, Shaun Russell, Bernard Goffinet, Leopoldo G. Sancho, Flávio Berchez, Brian Buma, Francisco Aguirre, Laura Sánchez-Jardón, Eduardo Barros, Rodrigo A. Vásquez, Mary T. K. Arroyo, Elie **Poulin**, Francisco Squeo, Juan J. Armesto, Andrés Mansilla & Francisca Massardo. 2020. A sentinel for monitoring climate change and its impact on biodiversity at the southern summit of the Americas: the new Cape Horn Long-Term Socio-Ecological Research Network. *Anales Instituto Patagonia (Chile)*, 48(3):45-81
63. Martínez Andrea, Darío Navarrete, Belén de la Puente, **Elie Poulin**, Catalina Merino-Yunnissi, Angie Díaz. 2020. Primer registro de la diversidad genética e historia demográfica del pepino de mar *Athyonidium chilensis* (Semper, 1868) para Chile. *Boletín del Museo Nacional de Historia Natural, Chile*, 69 (1): 87-95.
64. Vianna J.A., F.A.N. Fernandes, M.J. Frugone, H. Figueiró, L.R. Pertierra, D. Nol, K. Bi, C.Y. Wang-Claypool, A. Lowther, P. Parker, C. Le Bohec, F. Bonadonna, B. Wienecke, P. Pistorius, A. Steinfurth, C. Burridge, G.P.M. Dantas, **E. Poulin**, W.B. Simison, J. Henderson, E. Eizirik, M.F. Nery, R.C.K. Bowie. 2020. Genome-wide analyses reveal drivers of penguin diversification. *Proceedings of the National Academy of Sciences*, 202006659. DOI: 10.1073/pnas.2006659117.
65. Botero-Delgadillo E., Quirici V., Poblete Y., Acevedo M., Cuevas E., Bravo C., Cragolini M., Rozzi R., **Poulin** E., Mueller J.C., Kempenaers B. & R.A. Vásquez. 2020. Range-wide genetic structure in the thorn-tailed rayadito suggests limited gene flow towards peripheral populations. *Scientific Report*, 10: 9409. DOI: 10.1038/s41598-020-66450-7.
66. Pertierra L., N.I. Segovia, P.A. Martinez, P. Pliscoff, A. Barbosa, P. Aragón, A. Raya Rey, P. Pistorius, P. Trathan, A. Polanowski, F. Bonadonna, C. Le Bohec, K. Bi, Cynthia Y. Wang-Claypool, D. Gonzalez-Acuña, G. PM Dantas, D. Noll, R.C.K. Bowie, E. **Poulin**, J. A. Vianna. 2020. Cryptic speciation in gentoo penguins is driven by geographic isolation and regional marine conditions: Unforeseen vulnerabilities to global change. *Diversity and Distributions*, 00: 1– 18. DOI: 10.1111/ddi.13072.
67. Maturana C.S., Segovia N.I., González-Wevar C., Diaz A., Rosenfeld S., **Poulin** E., Jackson J. & Convey P. 2020. Evidence of strong population structure at small scale in the Antarctic freshwater copepod *Boeckella poppei* in lakes on Signy Island, South Orkney Islands. *Limnology and Oceanography*, 9999:1–17. DOI: 10.1002/lno.11435
68. Schwob G., Cabrol L., **Poulin** E. & J. Orlando. 2020. Characterization of the gut microbiota of the Antarctic heart urchin (Spatangoida) *Abatus agassizii*. *Frontiers in Microbiology*, 11:308. DOI=10.3389/fmicb.2020.00308.
69. Kraft S., Pérez-Álvarez M.J., Olavarria C. & E. **Poulin**. 2020. Global phylogeography and genetic diversity of the long-finned pilot whale *Globicephala melas*, with new data from the southeastern Pacific. *Scientific Reports*, 10:1769. DOI: 10.1038/s41598-020-58532-3.
70. Fernández Iriarte PJ, Gonzalez-Wevar CA, Segovia NI, Rosenfeld S, Hüne M, Fainburg L, Nuñez JD, Haye PA, **Poulin** E. 2020. Quaternary ice sheets and sea level regression drove divergence in a marine gastropod along Eastern and Western coasts of South America. *Scientific Reports* 10:844. DOI: 10.1038/s41598-020-57543-4.
71. Sacristán I., F. E. Fajardo, F. Acuña, E. Aguilar, S. García, M. J. López, A. Cevitanes, J. Cabello, E. Hidalgo-Hermoso, **E. Poulin**, J. Millán, C. Napolitano. 2020. Antibiotic resistance genes as

landscape anthropization indicators: Using a wild felid as sentinel in Chile. *Science of the Total Environment* 703:134900. DOI: 10.1016/j.scitotenv.2019.134900.

72. Botero-Delgadillo E., Quirici V., Poblete Y., **Poulin** E., Kempenaers B. & R. Vasquez. 2020. Exploratory behavior, but not aggressiveness, is correlated with breeding dispersal propensity in the highly philopatric Thorn-tailed Rayadito. *Journal of Avian Biology*, 2020:e02262. DOI: 10.1111/jav.02262

Selected Publications before 2020

- González-Wevar C., K. Gérard, S. Rosenfeld, T. Saucède, J. Naretto, A. Díaz, S. Morley, P. Brickle & E. **Poulin**. 2019. Cryptic speciation in Southern Ocean *Aequiyoldia eightsii* (Jay, 1839): Mio-Pliocene trans-Drake separation and diversification. *Progress in Oceanography* 174: 44-54. DOI: 10.1016/j.pocean.2018.09.004.
- Frugone MJ, López ME, Cole TL, Lowther A, Pistorius P., Dantas G, Petry MV, Bonadonna F, Trathan PN, Polanowski A, Wienecke B, Segovia NI, Ke Bi, Wang-Claypool CY, Waters J, Bowie R, **Poulin** E & J. Vianna. 2019. More than the eye can see: genomics challenging our conception of biogeographical barriers and species classification in birds. *Molecular Phylogenetics and Evolution* 139:106563. DOI: 10.1016/j.ympev.2019.106563
- González-Wevar C.A., Hüne M., Segovia N.I., Nakano T., Spencer H., Chown S.L., Saucède T., Johnstone G., Mansilla A. & E. **Poulin**. 2017. Following the Antarctic Circumpolar Current: Patterns and processes in the biogeography of the limpet *Nacella* (Mollusca: Patellogastropoda) across the Southern Ocean. *Journal of Biogeography*, 44:861-874. DOI: 10.1111/jbi.12908
- Guerrero-Jiménez C.J., Peña F., Morales P., Méndez M.A., Sallaberry M., Vila I. & E. **Poulin**. 2017. Pattern of genetic differentiation of an incipient speciation process: the case of the high Andean killifish *Orestias*. *PLoS ONE* 12(2): e0170380. DOI: 10.1371/journal.pone.0170380.
- Vianna J., Noll D., Dantas G., Petry M.V., Barbosa A., González-Acuña D., Le Bohec C., Bonadonna F. & E. **Poulin**. 2017. Marked phylogeographic structure of Gentoo penguin reveals an ongoing diversification process along the Southern Ocean. *Molecular Phylogenetics and Evolution*, 107: 486-498. DOI: 10.1016/j.ympev.2016.12.003
- Napolitano C., Díaz D., Sanderson J., Johnson W.E., Ritland K., Ritland C.E. and E. **Poulin**. 2015. Reduced genetic diversity and increased dispersal in *Guigna* (*Leopardus guigna*) in Chilean fragmented landscapes. *Journal of Heredity* 106 (S1): 522-536. doi: 10.1093/jhered/esv025
- **Poulin**, E., González-Wevar, C., Díaz, A., Gérard, K. and Hüne, M. 2014. Divergence between Antarctic and South American marine invertebrates: what molecules tell us about the Scotia Arc geodynamics and the intensification of the Antarctic circumpolar current. *Global and Planetary Change* 123: 392-399. DOI: 10.1016/j.gloplacha.2014.07.017
- Napolitano C., Johnson W.E., Sanderson J., O'Brien S.J., Rus Hoelzel A., Freer R., Dunstone N., Ritland K., Ritland C.E. & **Poulin** E. 2014. Phylogeography and population history of *Leopardus guigna*, the smallest American felid. *Conservation Genetics* 15: 631–653. DOI 10.1007/s10592-014-0566-3.
- Gonzalez-Wevar C. A., Saucède T., Morley S.A., Chown S.L., **Poulin** E. 2013. Extinction and recolonization of maritime Antarctica in the limpet *Nacella concinna* (Strebel, 1908) during the last glacial cycle: toward a model of Quaternary biogeography in shallow Antarctic invertebrates. *Molecular Ecology* 22: 5221-5236, DOI: 10.1111/mec.12465.
- González-Wevar C.A., Hüne M., Cañete J.I., Mansilla A., Nakano T. & E. Poulin. 2012. Towards a model of postglacial biogeography in shallow marine species along the Patagonian Province:

lessons from the limpet *Nacella magellanica* (Gmelin, 1791). *BMC Evolutionary Biology* 12:139. DOI: 10.1186/1471-2148-12-139

- Morales P., I. Vila & E. Poulin. 2011. Genetic structure in remnant populations of an endangered cyprinodontid fish, *Orestias ascotanensis*, endemic to the Ascotán salt pan of the Altiplano. *Conservation Genetics* 12:1639-1643. DOI 10.1007/s10592-011-0245-6
- Díaz, A., Féral, J.-P., David B., Saucède T& E. Poulin. 2011. Evolutionary pathways among shallow and deep sea echinoids of the genus *Sterechinus* in the Southern Ocean. *Deep Sea Research II*. 58: 205-211 Doi:10.1016/j.dsr2.2010.10.012.
- Haye P., P. Salinas, E. Acuña & E. Poulin. 2010. Heterochronic phenotypic plasticity with lack of genetic differentiation in the southeastern Pacific squat lobster *Pleuroncodes monodon*. *Evolution & Development* 12:6, 628–634. DOI: 10.1111/j.1525-142X.2010.00447.x
- Marin J.C., A.E. Spotorno, B.A. Gonzalez, C. Bonacic, J.C. Wheeler, C.S. Casey, M.W. Bruford, R.E. Palma & E. Poulin. 2008. Mitochondrial DNA variation and systematics of the guanaco (*Lama guanicoe*, ARTIODACTYLA: CAMELIDAE). *Journal of Mammalogy* 89: 269-281.
- Poulin E., A. T. Palma, G. Leiva, D. Narvaez, R. Pacheco, S. A. Navarrete & J. C. Castilla 2002. Avoiding offshore transport of competent larvae during upwelling events: the case of the gastropod *Concholepas concholepas* in Central Chile. *Limnology & Oceanography* 47: 1248-1255.
- Poulin E., A. T. Palma and J-P. Féral 2002. Evolutionary versus ecological success of developmental modes in coastal Antarctic benthic invertebrates. *Trends in Ecology and Evolution* 17: 218-222. DOI: 10.1016/S0169-5347(02)02493-X
- Poulin E. & J.-P. Féral 1996. Why are there so many species of brooding antarctic echinoids? *Evolution* 50:820-830.

International Conferences

keynote/invited speaker

Keynote Speaker "Diversification of marine benthic fauna in the Southern Ocean: A Phylogeographic and Phylogenetic Perspective". [XXXIV Open Science Conference of the Scientific Committee on Antarctic Research \(SCAR\)](#). 20-30 August 2016, Kuala Lumpur, Malaysia.

Keynote Speaker "Diversificación de la fauna marina bentónica en el Océano Austral: una perspectiva filogeográfica y filogenética". [IX Jornadas Nacionales de Ciencias del Mar](#), 20-25 September 2015, Ushuaia, Argentina.

Invited Speaker: "Molecular insight into historical and recent biogeographical pattern and processes of marine benthic invertebrates in the Southern Ocean". [The legacy of EBA](#) Molecular and genetic advances to understanding evolution and biodiversity in the polar regions, 02-03 October 2014, Naples, Italia.

Keynote Speaker: "Population genetics, phylogeography and Phylogeny of Antarctic sea-urchins: lessons from 20 years of research in the Southern Ocean". Inaugural conference of [14th International Echinoderm Conference](#), 12-17 August 2012, Brussels, Bélgica.

Invited Speaker: "Diversification processes in the Southern Ocean. Symposium". 20 years GARS O'Higgins / Workshop [Chile-EU research opportunities under FP7](#), 12-15 November 2011, Punta Arenas, Chile.

Invited Speaker: "Molecular insight into historical connectivity and demography of Antarctic marine fauna". International workshop: [Polar Marine and Lacustrine Organisms: Gene and Protein Evolution in a Changing Environment](#), 24-25 mayo 2010, Naples, Italia.

Keynote Speaker: "Refuge into the depth? New insight from molecular data" VI Symposium in Ecology: Antarctic - South American Interactions (ASAI)", 5-6 november 2009, Universidade Federal do Rio de Janeiro, Brazil.

Keynote Speaker: "Genetic diversity of small pelagic fish in the upwelling systems of the Eastern Pacific". International Conference: [The Humboldt Current System](#), 27 November al 01 December 2006, Lima, Perú.

Invited Speaker: “Evolution of Brood [Protection](#) in Antarctica”. *Reproduction, Ecology, and Evolution in Marine Systems: A Meeting in Honor of Prof. John S. Pearse*, University of California-Santa Cruz., 10-11 JUNE 2006, California-USA.

Selected international Presentations from 2020 to present:

González-Wevar Claudio, Julia Saravia, Valentina Bernal, Nicolás Segovia, Sebastián Rosenfeld, Claudia Maturana, Thomas Saucède, Paul Brickle, Hamish Spencer, Elie Poulin. Evidence of trans-APF long-distance dispersal in a nearshore marine invertebrate in the Southern Ocean. 11th SCAR Open Science Conference, 19-23 August 2024, Pucón, Chile.

Moya Fernando, Hugo Benítez, Élie Poulin. Unveiling the shape of Austral Ocean: Morphogeometric analysis of three sea urchin species of the *Abatus* genus. 11th SCAR Open Science Conference, 19-23 August 2024, Pucón, Chile.

Gerard Karin, Cyril Gallut, Julieta Orlando, Guillaume Schwob, Lea Cabrol, Elie **Poulin**. OBS-Mar: Long-term monitoring of Antarctic and Subantarctic marine diversity evolution under human-induced climate change. 11th SCAR Open Science Conference, 19-23 August 2024, Pucón, Chile.

Courville E., N. Mongiardino Koch, H. Lessios, A. Díaz, T. Saucède & E. Poulin. New molecular phylogeny sheds new light on the evolutionary history of the genus *Arbacia* Gray, 1835 (Arbacioida, Echinoidea). 11th European Conference on Echinoderms, 16-20 October 2023, Lyon, France.

Gonzalez-Wevar Claudio, Mr Cristian Ríos, Mrs Yarleth Poveda, Julia Saravia, Mr Andreas Schmider, Nicolas Segovia, Sebastian Rosenfeld, Claudia Maturana, Thomas Saucède, Simon Morley, Paul Brickle, Nerida Wilson, Hamish Spencer, Elie **Poulin**. More than meet the eyes: the complex biogeographical history of the Southern Ocean littorinid genus *Laevilitorina*. [XIII SCAR Biology Symposium](#), 31 July - 4 August 2023, Christchurch, New Zealand.

Maturana Claudia, Valentina Bernal, Melisa Gañan, Nicolás Segovia, Sebastián Rosenfeld, Peter Convey, Elie **Poulin**, Tamara Contador. Population connectivity at different spatial and temporal scales in the Antarctic fairy shrimp *Branchinecta gaini*. [XIII SCAR Biology Symposium](#), 31 July - 4 August 2023, Christchurch, New Zealand.

González-Wevar Claudio, Vanessa Jeldres, Cristian Ríos, Yarleth Poveda, Nicolas Segovia, Sebastian Rosenfeld, Claudia Maturana, Simon Morley, Thomas Saucède, Nerida Wilson, Hamish Spencer, Elie **Poulin**. How many species were hidden within the broadly distributed periwinkle *Laevilitorina caliginosa*. [10th SCAR Open Science Conference](#), 1-10 august 2022, India.

Melanie Delleuze, Guillaume Schwob, Julieta Orlando, Elie **Poulin**, Lea Cabrol. The level of habitat specificity modulates the microbial biogeographic patterns in the Southern Ocean: from community to intra-population scales. [10th SCAR Open Science Conference](#), 1-10 august 2022, India.

Poulin Elie, Nicolás Segovia, Claudio González-Wevar, Valentina Bernal, Paul Brickle, Javier Naretto, Thomas Saucède. Phylogeography, population genetics and adaptation in *Harpagifer* (nototheniidae) along the Southern Ocean. [14th International Congress on the Biology of Fish](#) in Montpellier (France) from June 28th to July 1st 2022.

MJosé Pérez Alvarez, Sebastián Kraft, Carlos Olavarría, Francisca Rodríguez, Nicolás Segovia, Elie **Poulin**. Phylogeography and demographic inference of two whale species with new data from the Southern Pacific. [I Congreso Latinoamericano de Evolución](#), 30 noviembre-3 diciembre 2021. (poster).

María José Pérez Alvarez, Sebastián Kraft, Carlos Olavarría, Francisca Rodríguez, CScott Baker; Elie **Poulin**. Applied conservation genetics as useful tool for cetacean populations in Chilean Waters. CLAGeneC - [II Congreso Latinoamericano de Genética para la Conservación](#). 13-16 september 2021, virtual, Brazil.

Nigenda-Morales Sergio, Meixi Lin, Annabel Beichman, Jacqueline Robinson, Frederick Archer, Jorge Urbán, Lorena Viloria-Gomóra, María José Pérez-Alvaréz, Elie **Poulin**, Kirk Lohmueller, Andrés Moreno-Estrada, Robert K. Wayne. The Fin Whale Population Genomics Project (FPGP). [XXXVII Reunión Internacional para el Estudio de los Mamíferos Marinos](#). 2-6 May 2021.

Napolitano Constanza, Irene Sacristán, María José López-Jara, Elie **Poulin**. Human-dominated landscapes in southern Chile: A review of diverse impacts to animal populations. [LACA Conservation Latin America](#), 9-13 November 2020. Online.

Schwob Guillaume, Nicolás I. Segovia, Claudio A. González-Wevar, Léa Cabrol, Julieta Orlando and Elie **Poulin**. Exploring the microdiversity within marine bacterial taxa: Towards an integrated biogeography in the Southern Ocean. [ISME Virtual Microbial Ecology Summit](#), 11-12 November 2020.

Saucède Thomas, Elie **Poulin**, Jean-Pierre Féral. From a local observing system of climate change to wider sub-Antarctic challenges. [SCAR Open Science Conference](#), 1-7 august 2020. Online.

Gonzalez-Wevar Claudio, Sebastian Rosenfeld, Nicolas Segovia, Claudia Maturana, Daly Noll, Angie Diaz, Karin Gerard, Thomas Saucède, Nerida Wilson, Paul Brickley, Simon Morley, Hamish Spencer, Elie **Poulin**. Contrasting biogeographical patterns in the vetigastropod genus *Margarella* across the Antarctic Polar Front. [SCAR Open Science Conference](#), 1-7 august 2020. Online.