



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE 4712

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di Scienze e Politiche Ambientali**

Scientist- in - charge: **Prof. Diego Rubolini**

## CURRICULUM VITAE

### PERSONAL INFORMATION

Surname	Timothée
Name	Poupart
Date of birth	06/04/1988

### PRESENT OCCUPATION

Appointment	Structure
Research engineer	Centre d'Etudes Biologiques de Chizé (CEBC/CNRS) <a href="https://www.cebc.cnrs.fr/">https://www.cebc.cnrs.fr/</a>

### EDUCATION AND TRAINING

Degree	Course of studies	University	Year of achievement
BSc	Ecology and land planning	Metz University, France	2009
Master	Biodiversity management	Toulouse University, France	2011
Postgraduate course	Alain Zuur & Elena Ieno course on the utilisation of mixed models in ecology	Deakin University, Australia	2017
PhD	Foraging ecology of winter-breeding seabirds in New Zealand	Deakin University, in cotutelle with La Rochelle University, Australia & France	2019



## FOREIGN LANGUAGES

Languages	level of knowledge
French	Native speaker
English	Fluent ( <i>stays in Ireland, New Zealand, Australia</i> )
German	Scholar level
Spanish	Beginner
Portuguese	Beginner
Italian	Beginner

## AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2016	Scholarship for PhD at Deakin University (Melbourne, Australia)
2017	Centre for Integrative Ecology - Deakin University grant (\$4000) to buy GPS tags
2018	International mobility grant (€3000) for Australia - France travels
2018	Brian Mason Trust grant (\$3750) to run stable isotopes analysis on the blood samples gathered during my PhD

## TRAINING OR RESEARCH ACTIVITY

Passionate about wildlife since childhood, early on I started exploring my surroundings to observe mammals and birds. I continued ornithology by volunteering for wetland bird surveys and passerine ringing stations. During my BSc and MSc degrees, I started ecological research on bats (radiotracking), before focussing on seabird research.

My interest for seabirds allowed me to conduct research in many different remote islands, for fieldwork in collaboration with different research teams. Through this, I have gained strong experience in handling a wide range of species (see Table 1 below), and developed a strong interest in movement data, because of their value to understand species' adaptation to their fluctuating environments.

Hence, I decided to specialize in biologging to study foraging movements (deployed mainly using GPS during breeding seasons and GLS during oceanic migrations). I further learned to exploit these data, performing spatial analysis and statistics within R software. In combination with my manuscript writing skills, it allowed me turn collected data into scientific publications. Nowadays, I continue working on spatial analysis and I keenly follow the development of new methods and R packages (e.g. clustering, HMM), in order to stay up-to-date and to embark for a scientific career.

**Research engineer****CNRS Chizé - France**

Jul 2020 – present

Supv. Charles-André Bost: Multi-sites spatial analysis of King penguin (*Aptenodytes patagonicus*) tracks.**Research assistant****Liverpool University – UK**

Jan – May 2020

Supv. Samantha Patrick: Logger deployments on Wandering albatross (*Diomedea exulans*) in the subantarctic Crozet Islands.**PhD in foraging ecology****Deakin University - Australia**

2016-2019

**La Rochelle University – France (cotutelle)**Supv. Prof John Arnould, Dr Charles-André Bost: Foraging ecology of winter-breeding seabirds in New Zealand

My research involved studying where and when various New Zealand seabird species forage and how they can take advantage of the winter conditions to breed. I conducted fieldwork (three sites during two breeding seasons) and performed spatial analysis on the gathered tracks. Using R software, I developed my coding skills for cleaning raw location data (filtering, trip splitting, interpolation), exploiting track information (track parameter calculation, kernels, time spent in area), mapping, overlaying environmental data and building habitat utilisation models (GAMMs).

**Research Assistant****CNRS Strasbourg – Antarctica**

Summer research expeditions 2014-15 and 2015-16

Supv. Dr Yan Ropert-Coudert: Long-term population monitoring and logger deployments to study the feeding ecology of the Adélie penguin (*Pygoscelis adeliae*).**Research Assistant****University College Cork - Ireland**

May – Aug 2015

Supv. Prof John Quinn: Establishing a study colony for Manx shearwater (*Puffinus puffinus*) on High island, Ireland and monitoring their foraging trips.**Research Assistant****Te Papa Museum – New Zealand**

Aug – Nov 2014

Supv. Dr Susan Waugh: Little blue penguin (*Eudyptula minor*) foraging trip monitoring in Wellington and Motuara Island, New Zealand.**Research Assistant****French Polar Institute (IPEV) – Subantarctic**

Nov 2012 – Jan 2014

Supv. Dr Henri Weimerskirch: Long-term demographic monitoring (counts, banding) of seabirds (albatrosses, petrels, penguins) and marine mammals (fur seals, elephant seals, killer whales), with GPS / GLS deployments in the Crozet islands.

**Masters Internship****Corsica bat trust (GCC) – France**

Apr – Sep 2011

Supv. Gregory Beuneux: Foraging ground identification of the Maghrebian mouse-eared bat (*Myotis punicus*) by VHF radiotracking.



Table 1. Skills and Research activity on seabird species.

	Banding / Morphometrics	Pit-tagging	GPS	GLS	Argos	Accelero.	TDR	Camera	Blood Sampling
Herring gull	+		+						+
Yellow-legged gull	+		+						+
Southern giant petrel	+								
Northern giant petrel	+								
White-chinned petrel	+								
Westland petrel	+		+			+	+		+
Snow petrel	+		+						
Common diving petrel	+								
Manx shearwater	+		+						
Short-tailed shearwater	+		+	+					+
Australasian gannet	+		+	+		+		+	
Fairy prion	+		+	+					+
Brown skua	+			+					
Wandering albatross	+		+	+	+	+			+
Sooty albatross	+								
Southern Buller's albatross	+		+			+			+
Macaroni penguin	+		+			+	+		
Southern rockhopper penguin	+		+						
Fiordland penguin	+	+	+	+		+	+		+
Adélie penguin	+	+	+	+		+	+	+	+
Emperor penguin	+	+							+
King penguin	+	+			+				+
Little blue penguin	+		+					+	+

PROJECT ACTIVITY

Year	Project
2020	Seabirds and marine mammals as sentinels of global changes in the Southern Ocean (ORNITHOECO) - Research Engineer
2020	Programme “Corridors” - Research Engineer <a href="https://cerfe-corridor.jimdofree.com/">https://cerfe-corridor.jimdofree.com/</a>
2019	Seabirdsound - Research Assistant <a href="https://seabirdsound.org/">https://seabirdsound.org/</a>
2016 - 2017	Museum of New Zealand Te Papa Tongarewa expeditions - fieldwork leader <a href="https://blog.tepapa.govt.nz/2016/06/14/wildlife-of-hauteresolander-island/">https://blog.tepapa.govt.nz/2016/06/14/wildlife-of-hauteresolander-island/</a> <a href="https://blog.tepapa.govt.nz/2016/10/03/birdlife-of-taumaka-open-bay-islands/">https://blog.tepapa.govt.nz/2016/10/03/birdlife-of-taumaka-open-bay-islands/</a>
2014 - 2016	Adélie penguins as Monitor of the Marine Environment – Research Assistant <a href="https://www.institut-polaire.fr/blog/Programmes-soutenus/les-manchots-adelie-bioplatformes-de-lenvironnement-marin/?lang=en-US">https://www.institut-polaire.fr/blog/Programmes-soutenus/les-manchots-adelie-bioplatformes-de-lenvironnement-marin/?lang=en-US</a>



2012 - 2014	Seabirds and marine mammals as sentinels of global changes in the Southern Ocean (ORNITHOECO) – Research Assistant <a href="https://www.institut-polaire.fr/blog/Programmes-soutenus/oiseaux-et-mammiferes-marins-sentinelles-des-changements-globaux-dans-locean-austral/?lang=en-US">https://www.institut-polaire.fr/blog/Programmes-soutenus/oiseaux-et-mammiferes-marins-sentinelles-des-changements-globaux-dans-locean-austral/?lang=en-US</a>
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CONGRESSES AND SEMINARS

Date	Title	Place
3 <sup>rd</sup> -6 <sup>th</sup> Sep 2018	14 <sup>th</sup> International Seabird Group Conference <b>Talk:</b> Foraging ecology of a winter breeding species, the Fiordland penguin	Liverpool (UK)
5-6 <sup>th</sup> May 2016	10 <sup>th</sup> Oamaru Penguin Symposium <b>Talk:</b> Tracking little penguins on the 41st parallel of Latitude in New Zealand	Oamaru (New Zealand)

PUBLICATIONS

Articles in reviews
15. <b>Poupart T</b> , Waugh S, Kato A, Arnould JPY. Foraging niche overlap during chick-rearing in the sexually dimorphic Westland petrel. <i>R Soc Open Sci</i> <b>In revision</b>
14. <b>Poupart T</b> , Waugh S, Miskelly C, Kato A, Angel L, Rogers K, Arnould JPY, 2019. Fine scale foraging behaviour of southern Buller’s albatross, the only <i>Thalassarche</i> provisioning chicks through winter. <i>MAR ECOL PROG SER</i> 625:163-179 DOI: <a href="https://doi.org/10.3354/meps13042">10.3354/meps13042</a>
13. <b>Poupart T</b> , Waugh S, Bost CA, Kato A, Miskelly C, Rogers K, Arnould JPY, 2019. Foraging ecology of a winter breeder, the Fiordland penguin. <i>MAR ECOL PROG SER</i> 614:183-197 DOI: <a href="https://doi.org/10.3354/meps12910">10.3354/meps12910</a>
12. <b>Poupart T</b> , Waugh S, Bost C, Bost CA, Dennis T, Lane R, Rogers K, Sugishita J, Taylor G, Wilson KJ, Zhang J, Arnould JPY 2017. Variability in the foraging range of <i>Eudyptula minor</i> across breeding sites in central New Zealand. <i>NEW ZEAL J ZOOL</i> 44(3):225-44 DOI: <a href="https://doi.org/10.1080/03014223.2017.1302970">10.1080/03014223.2017.1302970</a>
11. <b>Poupart T</b> , 2016. An unlikely prey for the New Zealand falcon ( <i>Falco novae-seelandiae</i> ): The little penguin ( <i>Eudyptula minor</i> ). <i>NOTORNIS</i> 63(2):109-111
10. Thiebot JB, Bost CA, <b>Poupart T</b> , Filippi D, Waugh S, 2020. Extensive use of the high seas by Vulnerable Fiordland Penguins across non-breeding stages. <i>J ORNITHOL</i> DOI: <a href="https://doi.org/10.1007/s10336-020-01791-8">10.1007/s10336-020-01791-8</a>
9. Wischniewski S, Arneill G, Bennison A, Dillane E, <b>Poupart T</b> , Hinde C, Jessopp M, Quinn J, 2019. Variation in foraging strategies over a large spatial scale reduces parent-offspring conflict in Manx shearwaters. <i>ANIM BEHAV</i> 151:165-176 DOI: <a href="https://doi.org/10.1016/j.anbehav.2019.03.014">10.1016/j.anbehav.2019.03.014</a>
8. Thiebot JB, Ropert-Coudert Y, Raclot T, <b>Poupart T</b> , Kato A, Takahashi A, 2019. Adelie penguins’ extensive seasonal migration supports dynamic Marine Protected Area planning in Antarctica. <i>MAR POLICY</i> 109:103692 DOI: <a href="https://doi.org/10.1016/j.marpol.2019.103692">10.1016/j.marpol.2019.103692</a>
7. Ropert-Coudert Y, Kato A, Shiomi K, Barbraud C, Angelier F, Delord K, <b>Poupart T</b> , Koubbi P, Raclot T, 2018. Two Recent Massive Breeding Failures in an Adelie Penguin Colony Call for the Creation of a Marine Protected Area in D’Urville Sea/Mertz. <i>FRONT MAR SCI</i> 5:264



DOI: <a href="https://doi.org/10.3389/fmars.2018.00264">10.3389/fmars.2018.00264</a>
6. Waugh S, Griffiths J, <b>Poupart T</b> , Filippi D, Rogers K, Arnould JPY, 2018. Environmental factors and fisheries influence the foraging patterns of a subtropical seabird, the Westland Petrel ( <i>Procellaria westlandica</i> ), in the Tasman Sea. <b>THE CONDOR</b> 120(2):371-387 DOI: <a href="https://doi.org/10.1650/CONDOR-17-179.1">10.1650/CONDOR-17-179.1</a>
5. Thiebot JB, Arnould JPY, Gómez Laich A, Ito K, Kato A, Mattern T, Mitamura H, Noda T, <b>Poupart T</b> , Quintana F, Raclot T, Ropert-Coudert Y, Sala JE, Seddon PJ, Sutton G, Yoda K, Takahashi A, 2017. Jellyfish and other gelata as food for four penguin species – insights from predator-borne videos. <b>FRONT ECOL ENVIRON</b> 15(8): 437-441 DOI: <a href="https://doi.org/10.1002/fee.1529">10.1002/fee.1529</a>
4. Waugh S, <b>Poupart T</b> , Miskelly C, Stahl JC, Arnould JPY, 2017. Human exploitation assisting a threatened species? The case of muttonbirders and Buller’s Albatross. <b>PLOS ONE</b> 12(4) DOI: <a href="https://doi.org/10.1371/journal.pone.0175458">10.1371/journal.pone.0175458</a>
3. Thiebot JB, Ito K, Raclot T, <b>Poupart T</b> , Kato A, Ropert-Coudert Y, Takahashi A, 2016. On the significance of Antarctic jellyfish as food for Adelie penguins, as revealed by video loggers. <b>MAR BIOL</b> 163(5):108 DOI: <a href="https://doi.org/10.1007/s00227-016-2890-2">10.1007/s00227-016-2890-2</a>
2. Bon C, Della Penna A, d’Ovidio F, Arnould J, <b>Poupart T</b> , Bost CA, 2015. Influence of oceanographic structures on foraging strategies: Macaroni penguins at Crozet Islands. <b>MOV ECOL</b> 3(1):32 DOI: <a href="https://doi.org/10.1186/s40462-015-0057-2">10.1186/s40462-015-0057-2</a>
Waugh S, <b>Poupart T</b> , Wilson KJ, 2015. Storm damage to Westland petrel colonies in 2014 from cyclone Ita. <b>NOTORNIS</b> 62(3):165-168

Congress proceedings
Poupart T, Waugh S, Bost C, Dennis T, Lane R, Taylor G, Sugishita J, Zhang J, Wilson KJ & Arnould J. Tracking little penguins on the 41st parallel of latitude in New Zealand, in P. Agnew (2017) Proceedings of the 10th Oamaru Penguin Symposium 2016, New Zealand Journal of Zoology, 44:2, 163-175, DOI: <a href="https://doi.org/10.1080/03014223.2016.1264079">10.1080/03014223.2016.1264079</a>

OTHER INFORMATION

Full clean EU Driving License (2006)
PADI Open water diving license (2018)
Interests: Outdoor sports (hiking, trail, cycling, diving, climbing, caving), Music, Wildlife photography

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Place and date: Chizé, 15/09/2020

SIGNATURE