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PROFILE

Evolutionary biologist by training, Software/Data Carpentry instructor, and open source advocate, I train researchers in machine learning, scientific programming, high-performance computing, shell scripting, and Linux tools for [WestGrid](#) and [Compute Canada](#).

LANGUAGES

<i>Programming</i>	<i>Scripting</i>	<i>Version control</i>	<i>Markup</i>	<i>SSG</i>	<i>Style sheet</i>	<i>Human</i>
Python	Bash	Git	HTML	Hugo	CSS	English
R	Z shell		⌘ _T X		SCSS	French
Julia	AutoHotkey		Org-mode			Spanish
Emacs-Lisp			Markdown			
			R Markdown			

PROGRAMMING

Research computing

Books & workshops reviews

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|------|--------------------------------------|--|
| 2021 | Manning Publications | Critical review of project proposal:
<i>Julia: from Zero to Hero</i> |
| 2021 | UBC Research Commons | Feed-back on workshops under development:
<i>Build and customize a website with Jekyll</i>
<i>Powerful searching with regular expressions</i>
<i>Setting up a development environment</i>
<i>Advanced Unix shell usage</i> |

Webinars

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| 2021 | WestGrid | fastai: a deep learning library
Advanced GIS mapping in R |
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2020	WestGrid	<ul style="list-style-type: none"> Basics of GIS mapping in R How to ask programming questions well Machine learning in Julia with Flux Introduction to Julia Fun tools to simplify your life in the command line
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Workshops

([Terraform virtual cluster](#) available as training platform.)

2021	Pacific Institute for the Mathematical Sciences (PIMS)	Git & GitHub: effective versioning & teamwork
2021	UBC Biodiversity Research Centre	Introduction to GIS & spacial analysis in R
2021	Digital Humanities Summer Institute	Coding fundamentals for humanists
2021	WestGrid Training Modules	<ul style="list-style-type: none"> Version control with Git Basics of the Julia language Deep learning with fastai
2021	UBC Research Commons	Spatial data analysis & visualization in R
2020	WestGrid Autumn School	<ul style="list-style-type: none"> Version control with Git Machine learning with PyTorch Programming in Julia
2020	UBC Research Commons	<ul style="list-style-type: none"> Contributing to GitHub projects Collaborating through Git: using GitHub as a remote
2020	Canadian Centre for Climate Modelling & Analysis (ECCC, CCCma)	Version control with Git
2020	UBC JupyterDays 2020	The Julia kernel for Jupyter
2020	WestGrid Summer School	<ul style="list-style-type: none"> Machine learning with PyTorch Version control with Git Programming in Julia
2020	SFU Spring School	High-performance research computing in Julia
2018	27th International Ornithological Congress	<ul style="list-style-type: none"> R workshops: Tips on best practices in R Functional programming in R (with <i>purrr</i>) Magrittr less used "piping" treasures
2018	SFU Research Commons	R workshops for graduate students and faculty

2017/18	SFU Scientific Programming Study Group	Introduction to Emacs Getting started with Emacs packages Introduction to org-mode Introduction to Git Presenting Arch Linux
2018	Software Carpentry & Data Carpentry	Multiple workshops as a certified instructor

Professional consultations

2018	Simon Fraser University (SFU) Research Commons	R consultations with graduate students, and faculty One-on-one R support debugging code, pointing to resources, guiding towards solutions, or writing code
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Contributions to open source books

2018/19	Geocomputation with R by R. Lovelace, J. Nowosad & J. Muenchow
2018/19	Advanced R by H. Wickham
2018	R for Data Science by G. Grolemund & H. Wickham
2018/20	Pro Git 2nd ed. by S. Chacon & B. Straub

Software development

2019	Open-source utility Tra.sh	Full-feature trash management for Linux, compliant with FreeDesktop.org specification , using the power of fzf
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Contributions to the open source community

Under the pseudo “prosoitos”

2018/19	SFU Scientific Programming Study Group	Admin
2018/19	RStudio Community forum	Moderator & active member
2018/21	ranger software	Contributor
2020	lazygit software	Contributor
2018	magrittr package	Contributor
2018	Data Analysis & Visualization in R Data Carpentry lesson	Contributor
2018	R for Reproducible Scientific Analysis Software Carpentry lesson	Contributor
2018	Version Control with Git Software Carpentry lesson	Contributor
2018	The Unix Shell Software Carpentry lesson	Contributor
2018	Software & Data Carpentry Instructor Training lesson	Contributor
2018	purrr package	Contributor
2018	lintr package	Contributor

2018	huxtable package	Contributor
2018	EDAWR package	Contributor
2018	purrr tutorial by J. Bryan	Contributor
2018	R Cheat Sheets by RStudio	Contributor
2018	qutebrowser software	Contributor
2018	restic software	Contributor
2018/21	Stack Overflow	Active member
2018/21	Emacs Stack Exchange	Active member
2018/21	Unix & Linux Stack Exchange	Active member
2018/21	Ask Ubuntu Stack Exchange	Active member
2020	Netlify forum	Active member
2018/19	rOpenSci forum	Active member
2018/19	Hugo static site generator forum	Active member

Awards

2018	RStudio Community forum	New user of the month
2018	rOpenSci forum	New user of the month

ACADEMIC WRITING SUPPORT

Professional consultations

2016/18	SFU Student Learning Commons	Academic writing consultations in French One-on-one support to graduate and undergraduate students writing essays and theses: feed-back on structure, language, grammar, clarity, and style; teaching of specific points and pointing to resources
2017	SFU Student Learning Commons	Academic writing consultations in English Same as above, in English
2017	SFU Department of French	Academic writing consultations in French One-on-one consultations with students writing assignments: feed-back on structure, style, and grammar

Workshops

2016/18	SFU Student Learning Commons	French academic writing workshops: Writing dissertations in French Navigating French tenses French grammar, and sentence structure The French indicative mode
2017/18	SFU Student Learning Commons	Academic writing in English

2017/18 [Fraser International College](#) Writing good arguments

Online resources

2016 [SFU Library](#) Built a [library webpage](#) with academic French writing resources

TEACHING

Sessional lecturer

2017 1st block [Quest University Canada](#) Evolution foundation course
 2017 2nd block [Quest University Canada](#) Evolution

Private tutor

2007/11 Private lessons in French
 2002/03 Private lessons in Maths, English, French & Biology for [Academia](#)

Teaching assistant

2017 summer	SFU	Dr. K. Fitzpatrick	Genetics 2 nd year
2016 summer	SFU	Dr. K. Fitzpatrick	Genetics 2 nd year
2016 spring	SFU	Dr. R. Ydenberg	Behavioural ecology 4 th year
2015 fall	SFU	Dr. B. Crespi	Evolution 3 rd year ¹
2015 spring	SFU	Dr. R. Mathewes	Evolution 3 rd year ²
2014 fall	SFU	Dr. A. Mooers	Evolution 3 rd year
2010 fall	SFU	Dr. D. Green	Animal ecology writing intensive 3 rd year
2009 fall	SFU	E. Barley	General biology 1 st year
2008 spring	SFU	Dr. A. Beckenbach	Population genetics 4 th year
2008 spring	SFU	Continuing Studies	International teaching assistant program

RESEARCH

Publications

Peer-reviewed articles

Cuthbert R.J., Wanless R.M., Angel A., **Burle M.-H.**, Hilton G.M., Louw H., Visser P., Wilson J.W. & Ryan P.G. 2016. Drivers of predatory behavior and extreme size in house mice *Mus musculus* on Gough Island. *Journal of Mammalogy* 97(2):

¹based on Herron & Freeman “Evolutionary Analysis”

²based on Zimmer & Emlen “Evolution”

533–544

- Wilson J.W., Wanless R.M., **Burle M.-H.**, Angel A., Kritzing P. & Stead B. 2010. Breeding biology of Brown Noddies *Anous stolidus* at their southern-most breeding site, Gough Island, in comparison to other sites. *Ardea* 98(2):242–246
- Wilson J.W., **Burle M.-H.**, Cuthbert R.J., Stirnemann R.L. & Ryan P.G. 2010. Breeding success of Northern Rockhopper Penguins (*Eudyptes moseleyi*) at Gough Island, South Atlantic Ocean. *Emu-Austral Ornithology* 110(2):137–141
- Cuthbert R., Cooper J., **Burle M.-H.**, Glass C.J., Glass J.P., Glass S., Glass T., Hilton G.M., Sommer E.S., Wanless R.M. & Ryan P.G. 2009. Population trends and conservation status of the Northern Rockhopper Penguin *Eudyptes moseleyi* at Tristan da Cunha and Gough Island. *Bird Conservation International* 19(1):109–120
- Bester M.N., **Burle M.-H.**, Hofmeyr G.J.G. & Wilson J.W. 2006. Population trends of Subantarctic fur seals at Gough Island. *South African Journal of Wildlife Research* 36(2):191–194
- Wilson J.W., **Burle M.-H.** & Bester M.N. 2006. Vagrant Antarctic pinnipeds at Gough Island. *Polar Biology* 29(10):905–908

Biology French M.Sc. thesis

- Burle M.-H.** 2001. Inventaire des populations hivernales d’oiseaux de la Forêt Montmorency par points d’écoute: Problématique, protocole d’échantillonnage et analyses par rapport à la température, à la hauteur et la composition des peuplements forestiers. Dept. Biologie, Faculté de Sciences et Génie, Université Laval, Ste Foy (QC)

Reports

- Burle M.-H.** & Lank D.B. 2015. Tuamotu Sandpiper (*Prosobonia parvirostris*) Translocation: feasibility assessment, sites review and recommendations. Submitted to: Critical Ecosystem Partnership Fund (CEPF)
- Burle M.-H.** 2014. Habitat assessment of Palmyra Atoll for a translocation of Tuamotu Sandpiper *Prosobonia parvirostris*. Submitted to: Island Conservation and US Fish & Wildlife Service
- Burle M.-H.** & Lank D.B. 2013. Rapport de visite à Raraka (31 octobre–10 novembre 2012). Situation du Chevalier des Tuamotu *Prosobonia parvirostris*, Perspectives d’avenir et recommandations, Inventaires non-exhaustifs botanique et ornithologique. Submitted to: DIREN de Polynésie Française, Papeete, Tahiti (PF)
- Burle M.-H.** & Lank D.B. 2013. Reitoru Atoll, Tuamotu Archipelago, French Polynesia: situation, conservation prospects and recommendations for Tuamotu Sandpipers and new insights on the effects of Polynesian rats on this endangered species (June 23–July 4, 2012). Submitted to: Island Conservation, Santa Cruz (CA)
- Burle M.-H.** & Lank D.B. 2013. Tahanea Atoll, Tuamotu Archipelago, French Polynesia: Toreauta islet rat removal follow-up (outcome of eradication and effects on endangered Tuamotu Sandpipers) and elements for future eradications on Tahanea (July 5–October 16, 2012). Submitted to: Island Conservation, Santa Cruz (CA)
- Lank D.B. & **Burle M.-H.** 2011. Conservation of the Tuamotu Sandpiper. Final Scientific Report 2010–2011. Submitted to: Migratory Birds and Habitat Programs Region 1, US Fish & Wildlife Service, Portland (OR)
- Burle M.-H.**, Ashling C., Durieux J., Faulquier L., Gouni A., Lanctot R.B., McRae S., Poherui M., Portier E., Raust P., Rousel P., Serra C. & Lank D.B. 2009. Etude du Chevalier des Tuamotu (*Prosobonia cancellata*) sur l’atoll de Tahanea : écologie, système social, reproduction et conséquences pour la conservation. Submitted to: Société d’Ornithologie de Polynésie (SOP) “Manu”, Taravao, Tahiti (PF)

Conferences & lectures

Symposium invited speaker

Burle M.-H. & Lank D.B. Translocation priorities for endangered shorebird altered by floral physiology. North American Ornithological Conference VI, Washington, DC (USA) Aug. 2016

Invited speaker

Burle M.-H. Shorebird conservation oft-neglected rule: “don’t forget to poke at flowers”. Environment Canada, Delta, BC (CAN) Dec. 2016

Burle M.-H. & Lank D.B. Biology and conservation of the last Polynesian sandpiper. Environment Canada, Delta, BC (CAN) Oct. 2013

Burle M.-H. & Lank D.B. Un caso de conservación de aves playeras en las islas del Pacífico—el Playero de Tuamotu (*Prosobonia parvirostris*): ecología, problemas y soluciones. Universidad Icesi, Cali (COL) Oct. 2013

Burle M.-H., Lank D.B. & Lanctot R.B. Life history of the Tuamotu Sandpiper. Langley Field Naturalists, Langley, BC (CAN) Mar. 2011

Invited lecture

Sexual selection: examples in birds. Lecture given for a 3rd year course in Evolution, SFU, Vancouver, BC (CAN) Oct. 2014

First place Student Presentation Award

Burle M.-H., Lank D.B. & Lanctot R.B. Mating system and breeding ecology of an endangered tropical sedentary shorebird in a saturated habitat. COS/AOU/SCO Joint Meeting, San Diego, CA (USA), Feb. 2010

Conference oral presentations

Burle M.-H. & Lank D.B. Sex, age and populations: morphological variation in the endangered Tuamotu Sandpiper. North American Ornithological Conference VI, Washington, DC (USA) Aug. 2016

Burle M.-H. Translocating Titi to Palmyra? Palmyra Atoll Research Station, Palmyra Atoll (USA) June 2014

Burle M.-H. & Lank D.B. An endangered shorebird of South Pacific Islands: problematic and solutions. Presented in a lecture on endangered species, SFU, Vancouver, BC (CAN) Nov. 2013

Burle M.-H. & Lank D.B. Conservation of the Tuamotu Sandpiper (*Prosobonia parvirostris*)—endangered shorebird endemic to East Polynesia—through rat eradications and bird translocations. 5th Western Hemisphere Shorebird Group Meeting, Santa Marta (COL) Sept. 2013

Burle M.-H., Rico-Guevara A., Rubega M. & Lank D.B. A hummingbird tongue in a shorebird head. Society for Integrative and Comparative Biology (SICB) annual meeting, San Francisco, CA (USA) Jan. 2013

Burle M.-H., Rico-Guevara A., Rubega M. & Lank D.B. Independent evolution of nectarivory: Tuamotu Sandpipers are nectar-feeders. 5th North American Ornithological Conference, Vancouver, BC (CAN) Aug. 2012

Burle M.-H. & Lank D.B. Ocean swell drives unexpected population crash in the endangered Tuamotu Sandpiper suggesting earlier consequences of future sea-level rise. 5th North American Ornithological Conference, Vancouver, BC

(CAN) Aug. 2012

Burle M.-H. & Lank D.B. Preserving an endangered island shorebird: a model for conservation planning. Centre for Wildlife Ecology (CWE) Retreat, Vancouver, BC (CAN) Apr. 2012

Burle M.-H. & Lank D.B. Conservation of the Tuamotu Sandpiper, an endangered species. Presented in a lecture on endangered species, SFU, Vancouver, BC (CAN) Nov. 2011

Burle M.-H., Lank D.B. & Lanctot R.B. Mating system and breeding ecology of an endangered tropical sedentary shorebird: the Tuamotu Sandpiper. Kachemak Bay Shorebird Festival, Homer, AK (USA) May 2010

Burle M.-H., Lank D.B. & Lanctot R.B. First findings on the ecology of the Tuamotu Sandpiper *Prosobonia cancellata*. Pacific Ecology and Evolution Conference (PEEC), Bamfield, BC (CAN) Mar. 2010

Burle M.-H., Lank D.B. & Lanctot R.B. Mating system and breeding ecology of an endangered tropical sedentary shorebird in a saturated habitat. COS/AOU/SCO Joint Meeting, San Diego, CA (USA) Feb. 2010

Burle M.-H., Lank D.B. & Lanctot R.B. Ecology, social organization & breeding biology of the Tuamotu Sandpiper (Titi). UBC/SFU/UVic Ecology and Evolution Retreat, Brackendale, BC (CAN) Nov. 2009

Burle M.-H., Lank D.B. & Lanctot R.B. Social system and breeding biology of the Tuamotu Sandpiper *Prosobonia cancellata*. International Wader Study Group Conference, Texel (NLD) Sept. 2009

Posters

Burle M.-H. Conservation planning for the last Prosoniidae—a shorebird tribe endemic to Eastern Polynesia. Pacific Environment Congress, Suva (FJI) Dec. 2013

Burle M.-H. Conservation planning for the last Prosoniidae—a shorebird tribe endemic to Eastern Polynesia. BirdLife World Congress, Ottawa, ON (CAN) Jun. 2013

Burle M.-H. Conservation planning for the last Prosoniidae—a shorebird tribe endemic to Eastern Polynesia. CEPF Poly Micro End of Programme Evaluation Workshop, Suva (FJI) Apr. 2013

Burle M.-H., Lank D.B. & Lanctot R.B. The Tuamotu Sandpiper: a weird, unknown and tropical shorebird—Situation and proposed study plans. Pacific Ecology and Evolution Conference (PEEC), Bamfield, BC (CAN) Feb. 2008

Burle M.-H., Lank D.B. & Lanctot R.B. The Tuamotu Sandpiper: a weird, unknown and tropical shorebird—Situation and proposed study plans. SFU/UBC/UVic Retreat, Brackendale, BC (CAN) Nov. 2007

Professional affiliations, past & present

International Ornithologists' Union, American Ornithologists' Union, Cooper Ornithological Society, Society of Canadian Ornithologists, French Polynesian Ornithological Society SOP "Manu", American Association for the Advancement of Science, Society for Integrative & Comparative Biology, Society for Integrative and Comparative Biology, Association de Défense de l'Environnement en Vendée.

Memberships awarded:

2012 & 2013 AAAS

2011 & 2012 Cooper Ornithological Society

Funding

2012	Critical Ecosystem Partnership Fund	\$48,800	
2007/13	SFU Graduate Fellowships	\$47,500	
2008/09	French Polynesian Government	\$43,000	
2011	Island Conservation	\$40,000	
2011	Island Conservation	\$40,000	in personal, time, shipping & equipment
2010	Critical Ecosystem Partnership Fund	\$20,000	
2010	US Fish & Wildlife Service	\$20,000	
2008/12	US Fish & Wildlife Service	\$15,000	in time, shipping & equipment
2013	NSERC associated Graduate Fellowship	\$12,500	
2010	SFU Research Stipend	\$6,250	
2008	Graduate International Scholarship	\$6,250	
2008/16	SFU Travel Awards	\$3,940	
2012	Island Conservation	\$1,500	
2010	T. Schantz Memorial Foundation Scholarship	\$1,300	in paid expenses to present at the KBSF in Homer, AK
2010	Fred Cooke Student Research Award	\$1,000	
2016	SFU Professional Development Grant	\$500	
2012	French Polynesian Government	\$500	
2010	Slipstream First Aid Scholarship	\$350	
Total raised		\$308,390	

PROFESSIONAL EXPERIENCE

2019/21	<i>Drs. P. Mann/A. Razoumov</i> WestGrid / Compute Canada	Research Computing Training Assistant (BC, AB, SK, MB, Canada)
2007/18	<i>Drs. D. Lank/R. Ydenberg</i> Simon Fraser University	PhD candidate Breeding biology, ecology, social system & conservation of Tuamotu Sandpiper; evolution of its nectarivory & co-adaptation with <i>Scaevola taccada</i> (Vancouver, BC, Canada) (Tuamotu Archipelago, French Polynesia, South Pacific Ocean)
2018	<i>C. Graebner</i> SFU Research Commons	Research programming peer for R (Vancouver, BC, Canada)
2016/18	<i>Dr. A. Goldrick-Jones</i> SFU Student Learning Commons	Graduate writing facilitator (Vancouver, BC, Canada)
2017	<i>C. Bossavit</i> SFU Department of French	Official tutor Department of French (Vancouver, BC, Canada)
2014	<i>Dr. A. Wegmann</i> Island Conservation; US Fish & Wildlife Service	Specialist on site Habitat assessment for Tuamotu Sandpiper translocation (Palmyra Atoll, Northern Line Islands, North Pacific Ocean)

2013	<i>Dr. D. Lank</i> SFU Centre for Wildlife Ecology	Shorebird conservation biologist Translocation feasibility assessment & sites review for Tuamotu Sandpiper (Vancouver, BC, Canada)
2011/12	<i>M. Pott/R. Griffiths</i> Island Conservation	Project initiator & biologist on site Rat eradication & follow-up (Tahanea Atoll, French Polynesia, South Pacific Ocean)
2007	<i>Dr. D. Lank</i> SFU Centre for Wildlife Ecology	Research assistant Ruff captive breeding & experimental program (Vancouver, BC, Canada)
2005/06	<i>Drs. R. Cuthbert/P. Ryan</i> Royal Society for the Protection of Birds; University of Cape Town FitzPatrick Institute of African Ornithology	Subantarctic seabird, marine mammal & introduced species biologist Seabird & marine mammal populations monitoring; introduced mice pre-eradication study & tracking; seabird life history, genetic & isotope studies (Gough Island, South Atlantic Ocean)
2005	Ligue pour la Protection des Oiseaux (BirdLife France)	Landbird conservation biologist Captive breeding for reinforcement of Little Bustard population (Deux-Sèvres, France)
2005	<i>Dr. M. Salamolard</i> Société d'Etudes Ornithologiques de la Réunion	Tropical seabird conservation biologist Public outreach & Barau's Petrel recovery program (Reunion Island, Indian Ocean)
2003/05	<i>Drs. H. Weimerskirch/Y. Chereh</i> <i>Drs. C. Barbraud/C.A. Bost</i> <i>Drs. C. Guinet/O. Chastel</i> Centre d'Etudes Biologiques de Chizé/Centre National de la Recherche Scientifique; Institut Polaire Français	Subantarctic seabird & marine mammal biologist Populations monitoring; remote sensing; genetic, isotope & hormone sampling (Crozet Island, South Indian Ocean)
2003	<i>Dr. G. Divoky</i> Friends of Cooper Island	Arctic seabird field technician Black Guillemot breeding colony monitoring (Barrow, AK, USA)
2003	<i>D. Holt</i> Owl Research Institute	Arctic owl field technician Snowy Owl breeding study (Barrow, AK, USA)
2003	<i>Dr. R. Lanctot</i> US Fish & Wildlife Service	Arctic breeding shorebirds research assistant Comparison between nest searching techniques; monitoring; extra pair copulation study (Barrow, AK, USA)
2002	Estación biológica de Doñana; Fundación Global Nature; BioBrasil Foundation	Bird bander Passerine, hummingbird, parrotlet, raptor & shorebird mist-netting, aging, sexing & banding (Doñana National Park, Spain) (Piauí, Brazil)

2002	<i>Dr. C. Munn</i>	Tropical bird conservation biologist Inventory of avian species on one of the last two Lear's Macaw remaining sites as part of eco-tourism based conservation project (Piauí, Brazil)
2002	<i>Dr. C. Munn</i> BioBrasil Foundation	Bird guide Guiding birders in the Cerrado as part of ecotourism-based conservation project (Bahia, Brazil)
2001	<i>J. Allair</i> Bird Studies Canada	Bird bander Passerine, owl, raptor & shorebird mist-netting, identification, aging, sexing & banding; butterfly censuses; volunteer training; public education & outreach (Long Point Bird Observatory, ON, Canada)
2001	<i>Drs. J. Bourque/A. Desrochers</i> Laval University	Habitat fragmentation research assistant Passerine travel speed experiments & breeding censuses in variously fragmented habitats (Quebec, QC, Canada)
2000/01	<i>Dr. A. Desrochers</i> Laval University	Research as a biology French MSc student Distribution & movement of wintering birds & mammals in a boreal forest (obtained through point counts & transects) in correlation with habitat variables (through GIS analysis) (Quebec, QC, Canada)
1999/00	Office National de la Chasse et de la Faune Sauvage; Office National des Forêts	Ornithologist Heronries censuses & migrating seabird counts (Vendée, France)
1999/00	Association de Défense de l'Environnement en Vendée	Bird guide & ornithologist Public education & outreach; bird monitoring (Vendée, France)

EDUCATION

Academic

2007/18	PhD candidate in Biology— Simon Fraser University (Burnaby, BC, Canada)
GPA:	4.03
Courses:	Statistical computing & exploratory data analysis in R AIC statistics for ecology Quantitative methods Quantitative analysis in field biology Statistics for resource management Skills for carrier in science Biodiversity Evolution of health & disease Population biology

Directed reading in behavioural ecology

- 2000/01 French MSc in Biology, with honours—[Laval University](#) (Québec, QC, Canada)
 1999/00 BSc in Biology of Organisms—[University of Montpellier](#) (Montpellier, France)
 1998/99 University Diploma of Biology, with honours—[Aix-Marseille University](#) (Marseille, France)
 1997/98 [Higher School Preparatory Class](#)—[Lycée Thiers](#) (Marseille, France)

Certifications & training**Research computing**

- 2018 [Software Carpentry & Data Carpentry](#) Certified Instructor
 2014/18 [SFU Scientific Programming Study Group](#) Bimonthly Programming Workshops
 2013 WHSG conference (Santa Marta, Colombia) Writing R Packages Workshop

Science communication

- 2013 WHSG conference (Santa Marta, Colombia) Scientific Communication & Presentation Skills Workshop
 2009/14 [SFU Department of Biological Sciences](#) 3 Scientific Writing Workshops

Work safety

- 2018 [SFU Library](#) Worker Safety Training
 2018 [SFU Library](#) Bullying & Harassment Training

Animal handling

- 2008 [CRBPO/MNHN/CNRS](#) French Bird Banding Permit
 2008 [Environment & Climate Change Canada](#) Canadian Master Bird Banding Permit
 2009 [SFU Animal Care Committee](#) Canadian Council on Animal Care Training

Emergency response

- 2010 [Slipstream Wilderness First Aid](#) 100-hour Advanced Wilderness First Aid + CPR Level C
 2008 [Canadian Red Cross](#) Advanced Marine First Aid + CPR Level B
 2005 [South African School of First Aid Education](#) Emergency First Aid + CPR Level A

Ski mountaineering

- 2018 [Avalanche Canada](#) Avalanche Skills Training Level 2
 2016 [Canada West Mountain School](#) Glacier Travel & Crevasse Rescue
 2016 [Canada West Mountain School](#) Companion Rescue
 2016 [Canada West Mountain School](#) Anchor Building
 2016 [BC Mountaineering Club](#) Hauling Systems

- 2016 [BC Mountaineering Club](#) Repelling Techniques
2015 [Avalanche Canada](#) Avalanche Skills Training Level 1

Driving

- 2003 Class 5 Driver's Licence

WILDLIFE PHOTOGRAPHY

Official post office stamp

- 2016 [British Overseas Territory of Tristan da Cunha 60p stamp](#): Gough Flightless Moth (Biodiversity Collection)

In books

- 2013 [The World's Rarest Birds](#), Hirschfeld E., Swash A. & Still R., Princeton, NJ: Princeton University Press
2007 [Field Guide to the Animals and Plants of Tristan da Cunha and Gough Island](#), Ryan P.G. (ed.), Newbury: Pisces Publ.
2006 [The World Heritage—Unesco's Classified Sites](#), Bonneville P. (ed.) & Hemono P., Québec: Bonneville Connection Publ.

Picture award

- 2010 [COS/AOU/SCO](#) photo contest, San Diego (CA, USA) 1st place