

**Matthew J. Vavrek, PhD**  
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## EDUCATION

- PhD**    **MCGILL UNIVERSITY** (Montreal, Quebec, Canada)  
Palaeontology, February 2011  
THESIS: 'Palaeomacroecology: Large Scale Patterns in Species Diversity Through the Fossil Record'
- BSc**    **UNIVERSITY OF ALBERTA** (Edmonton, Alberta, Canada)  
Palaeontology (Honours), April 2004.  
THESIS: 'Palaeobotany and Palaeoecology of the Munce's Hill locality near Red Deer, Alberta'

## WORK EXPERIENCE

- Head Palaeontologist/Curator, *September 2013 – December 2014***  
Philip J. Currie Dinosaur Museum. Head of research and collections for the museum, and principal scientific lead for exhibits design.
- Content Coordinator, *January 2013 – August 2013***  
University of Alberta. Online course project lead for Massive Open Online Course (MOOC) in Palaeontology.
- Assistant Curator, *March 2011 – August 2012***  
Royal Ontario Museum. Scientific exhibit advisor for the major exhibition "Ultimate Dinosaurs: Giants from Gondwana". Supervisor: Dr. David Evans.
- Sessional Instructor, *September 2010 – December 2010***  
University of Alberta. Prepared and delivered lectures and organized labs for Bot 411 (Palaeobotany). Supervisor: Dr. Declan Ali.
- Palaeobotany Contract Employee, Yukon Government, *June 2009 – March 2010***  
Collection and identification of plant fossils from the Peel River, northern Yukon Territory, under contract to the Yukon Territorial Government.
- Graduate Student Researcher, *September 2004 – February 2011***  
Redpath Museum, McGill University. Thesis advisors: Dr. Hans Larsson and Dr. Brian McGill.
- Research Assistant, *Summer 2004***  
University of Alberta, Earth and Atmospheric Sciences. Photographic documentation of invertebrate fossils in Lebanon. Supervisor: Dr. Brian Chatterton.
- Research Assistant, *Summer 2003***  
University of Alberta, Department of Biological Sciences. Excavation, collection and identification of plant fossils from the Munce's Hill locality near Red Deer, Alberta. Supervisor: Dr. Ruth Stockey.
- Research Assistant, *Summer 2002***  
University of Alberta, Laboratory for Vertebrate Palaeontology. Collection and classification of vertebrate microfossils from Chambery Coulee, southern Saskatchewan. Supervisor: Dr. Michael Caldwell.

## PUBLICATIONS AND PRESENTATIONS

### *Publications in Refereed Journals*

- Evans, D.C., **M.J. Vavrek**, and H.C.E. Larsson. Pachycephalosaurin pachycephalosaurid (Dinosauria: Ornithischia) cranial remains from the latest Cretaceous (Maastrichtian) Scollard Formation of Alberta, Canada. *Palaeobiodiversity and Palaeoenvironments*, in press.
- Brown, C.M., and **M.J. Vavrek**. Small sample sizes in the study of ontogenetic allometry; implications for palaeobiology. *PeerJ*, in press.
- Brown, C.M., C.S. VanBuren, D.W. Larson, K.S. Brink, N.E. Campione, **M.J. Vavrek**, and D.C. Evans. Tooth counts through growth in diapsid reptiles: Implications for interpreting individual and size-related variation in the fossil record. *Journal of Anatomy*, in press.
- Stockey, R.A., G.L. Hoffman, and **Vavrek, M.J.**. Paleobotany and paleoecology of the Munce's Hill fossil locality near Red Deer, Alberta, Canada. *Annals of the Missouri Botanical Garden*, in press.
- Vavrek, M.J.**, A.M. Murray and P.R. Bell. 2014. An early Late Cretaceous (Cenomanian) sturgeon (Acipenseriformes) from the Dunvegan Formation, northwestern Alberta, Canada. *Canadian Journal of Earth Sciences*, 51: 677-681.
- Vavrek, M.J.**, B.C. Wilhelm, E.E. Maxwell, and H.C.E. Larsson. 2014. Arctic plesiosaurs from the Lower Cretaceous of Melville Island, Nunavut, Canada. *Cretaceous Research*, 50: 273-281.
- Burns, M.E., and **M.J. Vavrek**. 2014. Ankylosaur ossicles from the middle Cenomanian Dunvegan Formation of northwestern Alberta, Canada. *PLoS ONE*, 9(5):e96075.
- Vavrek, M.J.**, L.V. Hills, and P.J. Currie. 2014. A Late Cretaceous hadrosaurid (Dinosauria: Ornithischia) from Axel Heiberg Island, Nunavut, Canada. *Arctic*, 67: 1-9.
- Brown, C.M., N.E. Campione, H.C. Giacomini, L.J. O'Brien, **M.J. Vavrek**, and D.C. Evans. 2013. Ecological modelling, size distributions, and taphonomic size bias in dinosaur faunas: a comment on Codron et al., 2012. *Biology Letters*, 9: 20120582.
- Vavrek, M.J.**, D.C. Evans, D.R. Braman, N.E. Campione, and G.D. Zazula. 2012. A Paleogene flora from the upper Bonnet Plume Formation of northeast Yukon Territory, Canada. *Canadian Journal of Earth Sciences*, 49: 547-558.
- Evans, D.C., **M.J. Vavrek**, D.R. Braman, N.E. Campione, T.A. Dececchi, and G.D. Zazula. 2012. Vertebrate Fossils (Dinosauria) from the Bonnet Plume Formation, Yukon Territory, Canada. *Canadian Journal of Earth Sciences*, 49: 396-411.
- Vavrek, M.J.** 2011. fossil: Palaeoecological and palaeogeographical analysis tools. *Palaeontologia Electronica*, 14 (1): 16p.
- Vavrek, M.J.** and H.C.E. Larsson. 2010. Low beta diversity of Maastrichtian dinosaurs of North America. *Proceedings of the National Academy of Sciences*, 107: 8265–8268.
- Vavrek, M.J.**, H.C.E. Larsson and N. Rybczynski. 2007. A Late Triassic flora from east-central Axel Heiberg Island, Nunavut, Canada. *Canadian Journal of Earth Sciences*, 44: 1653–1659.
- Vavrek, M.J.**, R.A. Stockey, and G.W. Rothwell. 2006. *Osmunda vancouverensis* sp. nov. (Osmundaceae), permineralized fertile frond segments from the Lower Cretaceous of British Columbia, Canada. *International Journal of Plant Sciences* 167: 631–637.

### *Books*

- Persons IV, W. Scott (ed.) *Dino 101: An Introduction to Dinosaur Biology*. University of Alberta Press, Edmonton, Canada, in press. (Author on chapters 1-5, 7 and 10)
- Evans, D.C. and **M.J. Vavrek**. 2012. *Ultimate Dinosaurs: Giants from Gondwana* (exhibition guide book). ROM Press, Toronto, Ontario.

### *Scientific Software*

- Vavrek, M.J.** 2010. parfossil: Parallelized functions for palaeoecological and palaeogeographical analysis (R statistical package). <http://cran.r-project.org/web/packages/parfossil/>.

- Vavrek, M.J.** 2008 – 2010. fossil: Palaeoecological and Palaeogeographical Analysis Tools (R statistical package). <http://cran.r-project.org/web/packages/fossil/>.
- Vavrek, M.J.** 2008. PostGPS, A plugin for the Quantum GIS program to convert between data formats. <http://pyqgis.org/repo/contributed/>.

### *Conference Presentations*

- Vavrek, M.J.**, R.C. McKellar, A.P. Wolfe, and H.C.E. Larsson. 2014. A partial bird with preserved feathers from the Paleocene of the central Yukon Territory, Canada. *Journal of Vertebrate Paleontology*, 33(3) suppl., pg. 247A (poster presentation).
- Arbour, V., **Vavrek, M.J.**, E. Koppelhus, and P.J. Currie. DINO 101: A massive open online course about dinosaur paleobiology. *Journal of Vertebrate Paleontology*, 33(3) suppl., pg. 81A (poster presentation).
- Vavrek, M.J.**, L.B. Harrison, S.L. Cumbaa, M.S. Becker and H.C.E. Larsson. 2013. Latitudinal gradients and provinciality in chondrichthyan faunas from the Late Cretaceous of North America. *Journal of Vertebrate Paleontology*, 32(3) suppl., pg. 231A (symposium presentation).
- Vavrek, M.J.** and H.C.E. Larsson. 2012. Late Cretaceous (Santonian-Maastrichtian) vertebrate faunas from the Arctic of Appalachia. *Journal of Vertebrate Paleontology*, 31(3) suppl., pg. 188A (symposium presentation).
- Vavrek, M.J.** and D.B. Brinkman. 2011. Baseline levels of alpha and beta diversity in vertebrate microfossil assemblages. *Journal of Vertebrate Paleontology*, 31(3) suppl., pg. 208A (symposium presentation).
- L.B. Harrison, **Vavrek, M.J.**, M.S. Becker and H.C.E. Larsson. 2011. Insight into the Cenomanian (Late Cretaceous) terrestrial and marine vertebrate fauna of Bylot Island, Nunavut. *Journal of Vertebrate Paleontology*, 31(3) suppl., pg. 122A (poster presentation).
- Vavrek, M.J.** 2009. New methods of network paleobiogeography with an empirical example from Miocene mammals. *Journal of Vertebrate Paleontology*, 29(3) suppl., pg. 195A.
- Vavrek, M.J.** and H.C.E. Larsson. 2009. Dinosaurs of North America show ancient association between low beta diversity and homogeneous climates. *Frenchman Formation Terrestrial Ecosystem Conference Abstracts*, pg. 63.
- Vavrek, M.J.** and H.C.E. Larsson. 2007. Relationships of dinosaur assemblages during the Maastrichtian (Latest Cretaceous) of North America. *4th Interdisciplinary Graduate Student Research Symposium Abstracts Volume*, pg. 29.
- Vavrek, M.J.** and H.C.E. Larsson. 2006. Analysis of dinosaur diversity and provinciality in Late Cretaceous North America. *Journal of Vertebrate Paleontology*, 26(3) suppl., pg. 135A.
- Larsson, H.C.E., M. de Boef, T.A. Dececchi, E.E. Maxwell, S.C. Tissandier, **M.J. Vavrek**. 2006. Marine Reptiles from Melville and Cameron Islands, Nunavut. *Canadian Paleontology Conference Proceedings No. 4*: pg 26.
- Vavrek, M.J.**, R.L. Church and H.C.E. Larsson. 2006. Biogeography of North and South American Triassic floras. *Canadian Paleontology Conference Proceedings No. 4*: pg 39-40.
- Vavrek, M.J.** 2006. Analysis of dinosaur endemism in Late Cretaceous North American assemblages. *Interdisciplinary Graduate Student Research Symposium 2006*.
- Vavrek, M.J.** 2005. A new Late Triassic floral assemblage from Axel Heiberg Island, Nunavut. *Interdisciplinary Student Symposium 2005*.
- Vavrek, M.J.**, R.A. Stockey, and G.W. Rothwell. 2004. Permineralized *Osmunda* pinnae with attached sporangia containing spores from the Lower Cretaceous of British Columbia, Canada. *Botany 2004 abstracts volume*.

### *Invited Presentations*

- Vavrek, M.J.** April 1, 2010. Palaeomacroecology. Invited speaker, University of Toronto.
- Vavrek, M.J.** October 24, 2006. Biodiversity in the fossil record. Invited speaker, Concordia University.

**Vavrek, M.J.** April 8, 2004. Osmundaceous sporangia from the Early Cretaceous of Vancouver Island. Invited speaker, Symposium on the Evolution of Ferns, University of Alberta.

### *Poster Presentations*

- Vavrek, M.J.**, L.B. Harrison, S.L. Cumbaa, M. Becker, and H.C.E. Larsson. 2013. A Late Cretaceous (?Campanian) Selachian Fauna From Bylot Island, Nunavut: Biodiversity and Biogeographic Implications. Alberta Palaeontological Society 17th Annual Symposium.
- Harrison, L.B., **M.J. Vavrek**, M. Becker, and H.C.E. Larsson. 2011. Insight into the Cenomanian (Late Cretaceous) terrestrial and marine vertebrate fauna of Bylot Island, Nunavut. *Journal of Vertebrate Paleontology*, 31(3) suppl., pg. 122A.
- Vavrek, M.J.**, L. B. Harrison, E. Bamforth, N. Bayani, L. Baret, A. Ebn-al-Nassir, C. Erana, W. Long, E. Maxwell, J. Rousseau, R. Tahara and H.C.E. Larsson. 2007. Systematic exploration of Grasslands National Park, Saskatchewan - 2007 McGill Field Course. Canadian Paleontology Conference Proceedings No. 5.
- Vavrek, M.J.** and H.C.E. Larsson. 2006. Turnover rates in Late Cretaceous dinosaur assemblages. Canadian Society for Ecology and Evolution Inaugural Meeting (list of poster presentations - pg 89).
- Vavrek, M.J.** 2004. Palaeoenvironmental implications of fossil salamander taxa from the Upper Cretaceous (Maastrichtian) Frenchman Formation of Southwestern Saskatchewan. *Journal of Vertebrate Paleontology*, 24(3) suppl., pg. 125A.
- Vavrek, M.J.** 2004. Fossil salamanders from the Cretaceous (Maastrichtian) of southwestern Saskatchewan and their association with climate and environment. Alberta Palaeontological Society Eighth Annual Symposium Abstracts pg. 69-70.
- Vavrek, M.J.** 2004. Palaeoecology and the Palaeoenvironment of the Paleocene Munce's Hill locality near Red Deer, Alberta, Canada. *Prairie Universities Biological Symposium* pg. 79.
- Vavrek, M.J.** 2003. Late Cretaceous Salamanders of the Frenchman Formation and their palaeoenvironmental implications. Canadian Paleontology Conference Proceedings No. 1: pg 43-44.

## TEACHING EXPERIENCE

### *University of Alberta, Department of Biological Sciences*

#### **Seminar Instructor, Introduction to Statistics with R, November 18, 2010**

A 2 hour introduction to the R Statistical Language for graduate students in biology. I initiated and organized the course, and created a number of examples for the students to follow along with.

### *McGill University, Biology Department*

#### **Teaching Assistant, Vertebrate Palaeontology Field Course, Summer 2007 – 2009**

A 2.5 week long field course in vertebrate palaeontology, with a focus on hands on learning. I helped organize transportation, meals and lodging, as well as giving lectures and preparing and marking the course exam.

#### **Teaching Assistant, Methods in Biology of Organisms, Fall 2005 – 2007**

An introductory laboratory-based class, with a focus on methods and hands on experimentation in a variety of disciplines of organismal biology. I led introductory lectures, provided one-on-one assistance to students, and marked oral presentations and written assignments and essays.

#### **Teaching Assistant, Animal Diversity, Winter 2005 – 2007**

A broad course meant as an introduction to the major phyla of animals, with a focus on their morphology, evolution and relationships to one another. I led lab sections, which included being able to identify all of the different phyla and explain their defining characteristics, and marked lab and lecture exams.

**Teaching Assistant, Large Scale Ecology, Winter 2007**

Ecological patterns and processes at large spatial, taxonomic and temporal scales. I led computer lab sessions doing statistical analyses using Excel, assisted on a field trip to a nearby forest preserve to identify and census tree species, and marked assignments and exams.

**Teaching Assistant, Biological Oceanography, Winter 2006**

An overview of plankton biology and ecology, at both small and large scales. I assisted students in experimental growth studies of various plankton species under varying environmental conditions, and marked poster presentations and lab assignments.

**Guest Lecturer, Animal Diversity, Winter 2005**

A broad course meant as an introduction to the major phyla of animals, with a focus on their morphology, evolution and relationships to one another. Lectured on the diversity and morphology of modern and fossil echinoderms.

**Teaching Assistant, Cell and Molecular Biology, Winter 2005**

An introductory course for all students in the biological sciences stream. I supervised students as they learned techniques including basic microscopy and sterile techniques, up through gel electrophoresis, and graded oral presentations, lab assignments and quizzes.

**Teaching Assistant, Introduction to Ecology and Evolution, Fall 2004**

An introduction to the fundamental patterns and processes of ecology and evolution. I gave review sessions on course material, led journal article discussions, and marked exams and assignments.

*Concordia University, Department of Geography, Planning and Environment***Guest Lecturer, Paleobiology, Winter 2007**

An overview of palaeontology, covering vertebrates, invertebrates and plants. Lectured on the history and evolution of plants, from the first land plants through to modern floras.

**COMMUNITY SERVICE AND OUTREACH****Canadian Palaeontology Conference Organizing Committee, 2013**

University of Alberta, Edmonton, Alberta. Sat on organizing committee, lead editor for abstract volume.

**Canadian Palaeontology Conference Organizing Committee, 2012**

Royal Ontario Museum and University of Toronto, Toronto, Ontario. Set up website/online registration site.

**Gallery Interpretive Volunteer, 2011**

Royal Ontario Museum, Toronto, Ontario. Answered visitor questions about palaeontology, dinosaurs and evolution.

**Assistant Coach, 2008 – 2009**

Westlock Wrestling Club, Westlock, Alberta. Led practices and taught new techniques to high school students.

**Audio-visual volunteer technician, 2006**

Interdisciplinary Graduate Student Research Symposium, McGill University. Organized and set up all the audio-visual equipment for the conference, and helped troubleshoot problems with presentations.

**Executive member, 2004 – 2006**

Biology Graduate Students Association, McGill University. Helped in the organization of events for the graduate student community in biology.

**Assistant Coach, 2005 – 2006**

McGill University Wrestling Club. Led practices, taught new techniques and organized trips for tournaments.

**Student volunteer, 2004 – 2006**

'Let's Talk Science' science education outreach, McGill University. Gave guided tours to school groups with a focus on the different types of science research being conducted at the university, and judged science fair competitions.

**Student Representative, 2003 – 2004**

Student member of the Systematics and Evolution Research Interest Group at the University of Alberta.

**Volunteer interpreter, 2003 – 2004**

University of Alberta Museums. Gave museum tours and presentations to school and community groups of various ages.

**Secretary, 2002 – 2004**

University of Alberta Palaeontological Society

**Assistant Coach, 2003**

Special Olympics Edmonton Softball Team.

## HONORS & AWARDS

### *Research Grants*

Polar Continental Shelf Project (logistical support grant)	2012–2013
Dinosaur Research Institute Fieldwork Grant	2012–2014 (declined 2013)

### *Fellowships*

Northern Scientific Training Program grant	2005 – 2008 (declined 2005 and 2007)
FQRNT Doctoral Research Scholarship	2008–2009
NSERC CGS-D Graduate Student Award	2006–2008
NSERC PGS-D Graduate Student Award	2005 (declined)
NSERC CGS-M Graduate Student Award	2004 – 2006
NSERC Undergraduate Summer Research Award	2002 – 2004

### *Awards*

Dean's Honour Roll, University of Alberta	2000–2004
CIS Academic All-Canadian	2000–2002; 2004–2006
German Government Book Prize	2003
Jason Lang Scholarship	2002–2004
Canada Millennium Bursary	2002–2004
PS Warren Prize in Geology	2001
St Josephs College Scholarship	2001
Jimmie Condon Award	2000–2001
Faculty of Science Entrance Scholarship	2000
Willis Teskey Scholarship	2000
Alexander Rutherford Scholarship	2000
University of Alberta Entrance Scholarship	2000
Gulf Canada Resources Science Award	2000
Shell Canada Award	2000

## FIELD EXPERIENCE

Northern Alberta Dinosaur Project

*Location:* Northern Alberta, Canada

*Date:* July 21–August 9, 2014

*Role:* project leader

*Activities:* organized the inaugural year of an international collaboration designed to study the evolution of northern Alberta terrestrial Cretaceous ecosystems. Obtained external funding, led field party, arranged field equipment and activities, report writing, budget preparation.

#### Brazeau Formation Reconnaissance

*Location:* Alberta foothills, Canada

*Date:* June 10–12, 2014

*Role:* project collaborator

*Activities:* prospected for vertebrates in a little studies area in the foothills of Alberta

#### Yukon North Slope Prospecting Expedition

*Location:* Northern Yukon and northwestern Northwest Territories, Canada

*Date:* July 12–22, 2013

*Role:* project leader

*Activities:* arranged logistics in conjunction with larger expedition from the Yukon Geological Survey, obtained external (federal) funding, led field party, arranged field equipment and activities, report writing, budget preparation

#### Tertiary Hills Prospecting Expedition

*Location:* Tertiary Hills, east central Northwest Territories, Canada

*Date:* August 23–September 3, 2012

*Role:* project leader

*Activities:* arranged logistics, obtained external (federal) funding, led field party, arranged field equipment and activities, report writing, budget preparation

#### Peace River/Dunvegan Prospecting Expedition

*Location:* Peace River, western Alberta, Canada

*Date:* August 13–17, 2012

*Role:* project leader

*Activities:* initiated project, arranged external funding (institutional), arranged logistics, led field party, arranged field equipment and activities, report writing, budget preparation

#### Yukon palaeobotany consultant

*Location:* Peel River Basin, Yukon Territory, Canada

*Date:* July 20–29, 2009

*Role:* consultant

*Activities:* logistical assistance, plant identification, report writing, budget preparation

#### Vertebrate Palaeontology Field Course (Biol 573)

*Location:* Eastend and Grasslands National Park, Saskatchewan and Dinosaur Provincial Park, Alberta, Canada

*Date:* May 17–June 4, 2009

*Role:* teaching assistant

*Activities:* logistical assistance, student management, exam preparation

#### Yukon fossil reconnaissance expedition

*Location:* Peel River Basin, Yukon Territory, Canada

*Date:* August 1–14, 2008

*Role:* research partner

*Activities:* logistical assistance, plant identification, report preparation, permit application

#### Vertebrate Palaeontology Field Course (Biol 573)

*Location:* Eastend and Grasslands National Park, Saskatchewan, Canada

*Date:* May 1–19, 2008

*Role:* teaching assistant

*Activities:* logistical assistance, student management

Panama collaborative work

*Location:* Smithsonian Tropical Research Institute, Panama City, Panama

*Date:* January 15 – April 15, 2008

*Role:* visiting researcher

*Activities:* collaborative research, fossil prospecting

Vertebrate Palaeontology Field Course (Biol 573)

*Location:* Eastend and Grasslands National Park, Saskatchewan, Canada

*Date:* May 1–19, 2007

*Role:* co-leader

*Activities:* logistical assistance, student management

Missinaibi River expedition

*Location:* Missinaibi River, northern Ontario, Canada

*Date:* September 14–21, 2006

*Role:* expedition leader/coordinator

*Activities:* logistical coordination, permit applications, trip leader

High Arctic palaeontological exploration

*Location:* Ellesmere and Melville Islands, Nunavut, Canada

*Date:* July 1–30, 2006

*Role:* student

*Activities:* logistical assistance, fossil prospecting/excavation

Vertebrate Palaeontology Field Course (Biol 573)

*Location:* Dry Island Buffalo Jump Provincial Park, Alberta, Canada

*Date:* July 15–30, 2005

*Role:* student

*Activities:* logistical assistance, fossil prospecting/excavation, stratigraphic mapping

Lebanon fossil invertebrate exploratory trip

*Location:* Byblos, Lebanon

*Date:* June 5–15, 2004

*Role:* student

*Activities:* fossil inventorying, stratigraphic mapping

British Columbia Cretaceous plant collecting

*Location:* Vancouver Island, British Columbia, Canada

*Date:* July 15–30, 2003

*Role:* student

*Activities:* fossil prospecting/excavation

Munce's Hill plant locality survey

*Location:* Red Deer, Alberta, Canada

*Date:* August 2–4, 2003

*Role:* student

*Activities:* excavation coordination, stratigraphic mapping

"Scotty" the *T. rex* quarrying



*Location:* Eastend, Saskatchewan, Canada

*Date:* July 10–30, 2002

*Role:* student

*Activities:* quarry excavation, microsite collection, stratigraphic mapping

Saskatchewan marine vertebrate prospecting

*Location:* Lake Diefenbaker, southern Saskatchewan, Canada

*Date:* June 15–30, 2002

*Role:* student

*Activities:* fossil prospecting

Geology field school (EAS 234)

*Location:* Jasper, Alberta, Canada

*Date:* May 1–8, 2002

*Role:* student

*Activities:* stratigraphic mapping

## RELEVANT SKILLS AND TRAINING

### *Languages*

English: fluent

French: intermediate

Spanish: intermediate

German: basic

### *Computer Skills*

Microsoft Office (Word, Excel, PowerPoint, Access)

OpenOffice

GIS (Quantum GIS, PostGIS)

Linux (Ubuntu)

R Statistical Language

SQL (PostgreSQL)

L<sup>A</sup>T<sub>E</sub>X.

### *Certifications*

Non-restricted Firearm Possession and Acquisition Licence

Wilderness First Aid Certification

Class 5 drivers license

PADI Open Water Diver

## REFERENCES

Hans C. E. Larsson, Adjunct Professor  
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