

## Curriculum Vitae: Carolyn A. Bergstrom

### Contact and Personal Information:

Department of Biology  
University of Alaska Southeast  
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### Degrees:

- Ph.D. 2002 University of Victoria, British Columbia. *Evolution, Functional Morphology, and Asymmetry of Predator Defence in Stickleback* (with T. E. Reimchen)
- B.Sc. 1995 University of Arizona, Molecular and Cellular Biology

### Academic Positions:

- Sept. 2009 – present Assistant Professor of Marine Biology, University of Alaska Southeast
- Sept. 2008 - Aug. 2009 International Polar Year Postdoctoral Fellow, University of Alaska Southeast (with D. Tallmon)
- Jan. 2008 - Aug. 2008 Postdoctoral Research Associate, University of Victoria (with T. E. Reimchen) and Simon Fraser University (with I. N. Flamarique)
- Sept. 2007 - Dec. 2007 Directed Studies Coordinator, Bamfield Marine Science Centre
- Sept. 2003 - Aug. 2007 Postdoctoral Research Associate, University of Alberta and Bamfield Marine Sciences Centre (with A. R. Palmer)

### Academic Committees:

- June 2004 - Aug. 2007 Chair, Animal Care Committee for Bamfield Marine Science Centre

### Grants, Awards and Fellowships:

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|-------------|--|----------------|
| 2009        | Alaska EPSCoR (Experimental Program to Stimulate Competitive Research) Early Career Fellowship                   | \$30,000 USD   |
| 2005 - 2007 | Bamfield Marine Science Research Associate Fellowship  | \$4,000 CD/yr  |
| 2006        | Swiss Federal Institute of Aquatic Science and Technology Postdoctoral Fellowship – Ole Seehausen lab (declined) | \$95,000 CD/yr |
| 2003 - 2005 | Alberta Ingenuity Fund Postdoctoral Fellow, University of Alberta  | \$48,000 CD/yr |
| 2003 - 2005 | Alberta Ingenuity Fund Postdoctoral Research Allowance   | \$7,000 CD/yr  |
| 1998 - 2000 | Graduate Research Fellowship, University of Victoria   | \$2,000 CD/yr  |
| 1997 - 2000 | King-Platt Fellowship, University of Victoria  | \$13,000 CD/yr |
| 1996        | King-Platt Memorial Award, University of Victoria  | \$4,500 CD/yr  |

**Publications:**

- 1) Eaves, A.A., **Bergstrom, C.A.** (In review). Having the guts to survive: A novel phenotypic plasticity response to starvation in sea urchin larvae. *Journal of Experimental Marine Biology and Ecology*.
- 2) Reimchen, T.E., **Bergstrom, C.A.** 2009. The ecology of asymmetry in stickleback defense structures. *Evolution* 63:115-128.
- 3) **Bergstrom, C.A.** and Palmer, A.R. 2007. Which way to turn? Effect of eye side on turning and prey strike orientation in polymorphic starry flounder (*Platichthys stellatus*). *Journal of Fish Biology* 71:737-748.
- 4) **Bergstrom, C.A.** 2007. Morphological evidence of correlational selection and ecological segregation between dextral and sinistral forms in a polymorphic flatfish, *Platichthys stellatus*. *Journal of Evolutionary Biology* 20:1104-1114.
- 5) **Bergstrom, C.A.** and Reimchen, T.E. 2005. Habitat dependent associations between parasitism and fluctuating asymmetry among endemic stickleback populations. *Journal of Evolutionary Biology* 18:939-948.
- 6) **Bergstrom, C.A.** and Reimchen, T.E. 2003. Asymmetry in structural defences: insights into selective predation in the wild. *Evolution* 57(9): 2128-2138.
- 7) **Bergstrom, C.A.** and Reimchen, T.E. 2002. Geographical variation of asymmetry in *Gasterosteus aculeatus*. *Biological Journal of the Linnean Society* 77: 9-22.
- 8) **Bergstrom, C.A.** 2002. Fast-start swimming performance and lateral plate reduction in threespine stickleback. *Canadian Journal of Zoology* 80: 207-213.
- 9) **Bergstrom, C.A.** and Reimchen, T.E. 2000. Functional implications of fluctuating asymmetry among endemic populations of *Gasterosteus aculeatus*. *Behaviour* 137: 1097-1112.



## Presentations:

- Oct. 2008 Invited speaker at the University of Alaska Fairbanks, AK  
'The evolution of asymmetry direction in flatfishes'
- May 2008 Canadian Society of Ecology and Evolution, Vancouver, B.C.  
'The evolution of asymmetry in flatfishes'
- Jan. 2007 Invited speaker at Concordia University, Montreal, QB  
'Ecological maintenance of biodiversity: niche segregation and phenotypic divergence in fishes'
- Nov. 2006 Western Society of Naturalists Annual Meeting, Redmond, WA.  
'Niche segregation and phenotypic divergence in a polymorphic flatfish'
- Sep. 2006 Invited speaker at the Swiss Federal Institute of Aquatic Science and Technology (EAWAG – host Ole Seehausen), Lucerne, Switzerland  
'Ecological maintenance of biodiversity: niche segregation and phenotypic divergence in fishes'
- Feb. 2006 Pacific Ecology and Evolution Conference, Bamfield, B.C.  
'Morphological divergence in multiple traits between asymmetrical forms in a polymorphic flatfish'
- June 2005 Society for the Study of Evolution Annual Meeting, Fairbanks, AK.  
'Polymorphism and geographical variation in a flatfish'
- June 2004 Society for the Study of Evolution Annual Meeting, Fort Collins, CO.  
'Ecomorphology and lateral polymorphism in starry flounder (*Platichthys stellatus*)'
- June 2001 Society for the Study of Evolution Annual Meeting, Knoxville, KY.  
'Geographical variation in predator defences: lateral plate reduction and asymmetry in threespine stickleback'
- June 1999 3rd International Conference of Stickleback Behaviour and Evolution, Vancouver, BC. 'Departures from symmetry in threespine stickleback and susceptibility to predation'
- Feb. 1999 11th Annual University of Victoria Biology Graduate Symposium, Victoria, BC.  
'Predation on asymmetric forms of threespine stickleback by captive Hooded Mergansers'
- Feb. 1998 10th Annual University of Victoria Biology Graduate Symposium, Victoria, BC.  
'Selective predation and fluctuating asymmetry in 20 populations of threespine stickleback'
- Feb. 1997 18th Annual Pacific Ecology Conference, Bamfield, BC.  
'Fluctuating asymmetry and susceptibility to predation'
- Feb. 1997 9th Annual University of Victoria Biology Graduate Symposium, Victoria, BC.  
'Fluctuating asymmetry and susceptibility to predation'