

# Curriculum Vitae

## Kevin Richard Bairos-Novak, B.Sc.

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### Education

supervisors in *italics*

- 2015 – Present**    **M.Sc. Student – Biology**, University of Saskatchewan  
*Douglas Chivers, Professor, Department of Biology*  
*Maud Ferrari, Associate Professor, Veterinary Biomedical Sciences*
- 2010 – 2015**    **B.Sc. Honours (Co-op option) – Biology**, University of Manitoba  
*James Hare, Professor, Department of Biological Sciences*

### Work Experience

supervisors in *italics*

- 2016**            **Teaching Assistant (Animal Behaviour)**, University of Saskatchewan  
*Douglas Chivers, Professor, Department of Biology*  
*Karen Wiebe, Professor, Department of Biology*
- 2015 – 2016**    **Teaching Assistant (Nature of Life)**, University of Saskatchewan  
*Gillian Murza, Laboratory Coordinator, Department of Biology*
- 2015**            **Teaching Assistant (Chordate Biology)**, University of Manitoba  
*Joy Stacey, Instructor, Department of Biological Sciences*
- 2014 – 2015**    **Research Assistant (Population Modelling)**, University of Manitoba  
*Darren Gillis, Associate Professor, Department of Biological Sciences*
- 2014 – 2015**    **Research Assistant (Stress Hormones)**, University of Manitoba  
*James Hare, Professor, Department of Biological Sciences*  
*Gary Anderson, Professor, Department of Biological Sciences*
- 2012 – 2015**    **Teaching Assistant (Genetics)**, University of Manitoba  
*Dana Schroeder, Associate Professor, Department of Biological Sciences*
- 2014**            **Research Technician (Capelin Rearing)**, University of Manitoba  
*Gail Davoren, Associate Professor, Department of Biological Sciences*
- 2014**            **Student Technician (Zoological Fish Museum)**, University of Manitoba  
*Margaret Docker, Associate Head, Department of Biological Sciences*
- 2013 – 2014**    **Teaching Assistant (Invertebrate Biology)**, University of Manitoba  
*Joy Stacey, Instructor, Department of Biological Sciences*

- 2013 – 2014**      **Teaching Assistant (Evolutionary Biology)**, University of Manitoba  
*Anne Worley, Associate Professor, Department of Biological Sciences*  
*Margaret Docker, Associate Head, Department of Biological Sciences*
- 2012 – 2014**      **Teaching Assistant (Foundations of Life)**, University of Manitoba  
*Michael Shaw, Senior Instructor, Department of Biological Sciences*
- 2013**              **Research Assistant (Seabird Foraging)**, University of Manitoba  
*Gail Davoren, Associate Professor, Department of Biological Sciences*
- 2013**              **Research Assistant (Lamprey Genetics)**, University of Manitoba  
*Margaret Docker, Associate Head, Department of Biological Sciences*
- 2011 – 2013**      **Research Assistant (Small Mammal Sampling)**, University of Manitoba  
*Jim Roth, Associate Professor, Department of Biological Sciences*
- 2012**              **Research Assistant (Squirrel Communication)**, University of Manitoba  
*James Hare, Professor, Department of Biological Sciences*

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**Publications As Primary Author**

†corresponding author

- Bairos-Novak, K.R.**, Ryan, C.P., Freeman, A.R., Anderson, W.G., and Hare, J.F.† 2017. Like mother, like daughter: heritability of female Richardson’s ground squirrel (*Urocitellus richardsonii*) cortisol stress responses. *Current Zoology* zox014. doi:10.1093/cz/zox014
- Bairos-Novak, K.R.**, Crook, K.A., Davoren, G.K.† 2015. Relative importance of local enhancement as a search strategy for breeding seabirds: an experimental approach. *Animal Behaviour* 106: 71–78. doi:10.1016/j.anbehav.2015.05.002
- Bairos-Novak, K.R.**† 2014. *Mephitis macroura*: hooded skunk. *Animal Diversity Web* accessible at [http://animaldiversity.ummz.umich.edu/accounts/Mephitis\\_macroura/](http://animaldiversity.ummz.umich.edu/accounts/Mephitis_macroura/)

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**Publications As Contributing Author**

†corresponding author

- Mitchell, M.D.†, **Bairos-Novak, K.R.**, Ferrari, M.C.O. 2017. Mechanisms underlying the control of responses to predator odours in aquatic prey (Invited Review). *Journal of Experimental Biology* 220: 1937–1946. doi:10.1242/jeb.135137

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**Research Presentations As Presenting Author**

- Bairos-Novak, K.R.**, Mitchell, M.D., Crane, A.L., Chivers, D.P., and Ferrari, M.C.O. June 14<sup>th</sup>, 2017. Cueing in predation risk: background risk alters how tadpoles release and respond to a social cue. *Animal Behavior Society*. Toronto, ON.

- Bairos-Novak, K.R.**, Roche, A.J., and Hare, J.F. May 18<sup>th</sup>, 2017. Early life boldness predicts Richardson's ground squirrel fitness: Be shy and don't die! *Canadian Society for Zoologists*. Winnipeg, MB.
- Bairos-Novak, K.R.**, Dickel, L., and Ferrari, M.C.O. May 8<sup>th</sup>, 2017. Maternal stress and predator odour effects on juvenile cuttlefish antipredator responses to ink and alarm cue. *Canadian Society for Ecology and Evolution*. Victoria, BC.
- Bairos-Novak, K.R.**, Mitchell, M.D., Crane, A.L., Chivers, D.P., and Ferrari, M.C.O. Feb 26<sup>th</sup>, 2017. Trust thy neighbour in times of trouble: predation risk alters how tadpoles release and respond to social cues. *Prairie University Biology Symposium*. Saskatoon, SK. (*Best Overall Poster Award*)
- Bairos-Novak, K.R.**, Chivers, D.P., and Ferrari, M.C.O. Feb 26<sup>th</sup>, 2017. Disturbance cues: potential as an antipredator signal? (poster). *Prairie University Biology Symposium*. Saskatoon, SK, Canada.
- Bairos-Novak, K.R.**, Anderson, W.G., Freeman, A.J., Ryan, C.P., Hare, J.F. Feb 18<sup>th</sup>, 2016. Like mother, like matriline: quantification and inheritance of Richardson's ground squirrel (*Urocitellus richardsonii*) stress responses. *Prairie University Biology Symposium*. Lethbridge, AB, Canada.
- Bairos-Novak, K.R.**, Crook, K.A., Davoren, G.K. Feb 19<sup>th</sup>, 2015. Birds of a feather feed together: experimental evidence of interspecific differences among three feeding seabird species in the use of local enhancement to locate prey. *Pacific Seabird Group*. San Jose, CA, U.S.A.
- Bairos-Novak, K.R.**, and Hare, J.F. Oct 30<sup>th</sup>, 2014. Like mother, like daughter: inheritance of Richardson's ground squirrel (*Urocitellus richardsonii*) stress responses (poster). *University of Manitoba Undergraduate Student Research Poster Competition*. Winnipeg, MB, Canada.
- Bairos-Novak, K.R.**, and Davoren, G.K. Oct 30<sup>th</sup>, 2013. How do seabirds find fish in the ocean? An experimental study using seabird decoys (poster). *University of Manitoba Undergraduate Student Research Poster Competition*. Winnipeg, MB, Canada.

**Research Presentations As Supervising Coauthor**

\*supervised students

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- Murray, A.\*, and **Bairos-Novak, K.R.** Feb 26<sup>th</sup>, 2017. Good and bad vibrations: mealworms distinguish between conspecific vs. predator cues (poster). *Prairie University Biology Symposium*. Saskatoon, SK.
- Iannucci, Y.\*, and **Bairos-Novak, K.R.** Feb 26<sup>th</sup>, 2017. Don't pass the salt: saline soil avoidance behaviour of *Eisenia fetida* (poster). *Prairie University Biology Symposium*. Saskatoon, SK.

## Other Research Presentations As Coauthor

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Hare, J.F., Connolly, T., and **Bairos-Novak, K.R.** Aug 10<sup>th</sup>, 2014. Richardson's ground squirrels integrate information from multiple alarm callers to locate predators. *Animal Behavior Society*. Princeton, NJ, U.S.A.

## Broader Impact

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Bairos-Novak et al. 2015. Fig. 3b featured and discussed in Chapter 4 of *Mixed-Species Groups of Animals: Behavior, Community Structure, and Conservation*, by Eben Goodale, Guy Beauchamp, and Graeme D. Ruxton

## Scholarships and Awards

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- 2016**                    **International Student Travel Award**  
International Student and Study Abroad Centre, University of Saskatchewan  
\$2,050 CAD
- 2015 – Present**   **Canada Graduate Scholarship – Master’s**  
Natural Sciences and Engineering Research Council of Canada  
\$17,500 CAD
- 2015 – Present**   **Dean’s Scholarship**  
College of Graduate and Postdoctoral Studies, University of Saskatchewan  
\$36,000 CAD over two years
- 2015**                    **Saskatchewan Opportunity Scholarship**  
College of Graduate and Postdoctoral Studies, University of Saskatchewan  
\$6,000 CAD
- 2015**                    **Student Contribution Award**  
University of Manitoba Students’ Union, University of Manitoba  
\$500 CAD
- 2010 – 2014**        **President’s Scholar Distinction and Scholarship**  
Financial Aid & Awards, University of Manitoba  
\$3,000 CAD over 3 years
- 2014**                    **Shirley Ann Akins Prize for Best Honours Thesis Proposal**  
Department of Biological Sciences, University of Manitoba  
\$500 CAD
- 2014**                    **Undergraduate Student Research Award**  
Natural Sciences and Engineering Research Council of Canada  
\$4,500 CAD
- 2014**                    **Dean’s Honour List**

Faculty of Science, University of Manitoba

- 2014**      **Emerging Leader Award**  
Student Affairs, University of Manitoba
- 2014**      **Most Involved in the Scientific Community Award**  
Science Students' Association, University of Manitoba  
*\$500 CAD*
- 2014**      **Merit Scholarship**  
Financial Aid & Awards, University of Manitoba  
*\$500 CAD*
- 2013**      **Undergraduate Student Research Award**  
Natural Sciences and Engineering Research Council of Canada  
*\$4,500 CAD*
- 2013**      **Dean's Honour List**  
Faculty of Science, University of Manitoba
- 2013**      **Benjamin Cohen Scholarship for High Achievement**  
Financial Aid and Awards, University of Manitoba  
*\$750 CAD*
- 2013**      **Dr. Adam Giesinger Scholarship**  
St. Paul's College, University of Manitoba  
*\$500 CAD*
- 2012**      **Undergraduate Student Research Award**  
Natural Sciences and Engineering Research Council of Canada  
*\$4,500 CAD*
- 2012**      **Jennifer M. Shay Bursary**  
Department of Biological Sciences, University of Manitoba  
*\$500 CAD*
- 2012**      **Dean's Honour List**  
Faculty of Science, University of Manitoba
- 2012**      **Scholarship for Excellence in Academic Achievement**  
University of Manitoba Students' Union  
*\$1,000 CAD*
- 2012**      **Merit Scholarship**  
Financial Aid & Awards, University of Manitoba  
*\$500 CAD*

- 2011**            **Scholarship for Excellence in Academic Achievement**  
University of Manitoba Students' Union  
*\$1,000 CAD*
- 2011**            **Les Butterworth Bursary**  
Canadian Union of Public Employees Local 500  
*\$1,000 CAD*
- 2010**            **John C. Hanley Memorial Scholarship**  
St. Paul's College, University of Manitoba  
*\$1,000 CAD*
- 2010**            **Queen Elizabeth II Entrance Scholarship**  
Financial Aid & Awards, University of Manitoba  
*\$3,000 CAD*

### **Undergraduate Students Supervised**

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- 2016**            Angela C. Murray  
University of Saskatchewan  
*Topic: social and predatory vibrational cue discrimination by mealworms*
- 2016**            Yolanda Iannucci  
University of Saskatchewan  
*Topic: salinity preferences of juvenile and adult red wigglers*

### **Professional Organizations**

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- Active**            Animal Behaviour Society  
Canadian Society of Zoologists  
Canadian Society for Ecology and Evolution  
Biology Graduate Student Association
- Past**              American Fisheries Society  
Pacific Seabird Group Member  
Manitoba Wildlife Rehabilitation Organization

### **Journal Articles Reviewed**

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verification at <https://publons.com/>

- 2015 – Present** Proceedings of Manitoba's Undergraduate Science and Engineering Research (1)  
University of Saskatchewan Undergraduate Research Journal (1)

## **Volunteer Service**

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- 2015 – Present**    **Social Committee Member**  
Department of Biology, University of Saskatchewan
- 2016 – 2017**    **Planning Committee Executive**  
51<sup>st</sup> Prairie University Biology Symposium
- 2016 – 2017**    **Sports Representative**  
Biology Graduate Student Association, University of Saskatchewan
- 2016**            **Volunteer Exhibitor**  
Science Rendezvous/Let's Talk Science, University of Saskatchewan
- 2015 – 2016**    **Social Coordinator**  
Biology Graduate Student Association, University of Saskatchewan
- 2014 – 2015**    **Director of Student Services**  
Science Students' Association, University of Manitoba
- 2014 – 2015**    **President**  
Biology Undergraduate Students' Association, University of Manitoba
- 2014 – 2015**    **Recruitment & Retention Committee**  
Department of Biological Sciences, University of Manitoba
- 2012 – 2015**    **Bagpipe Instructor**  
Lord Selkirk RFM Pipe Band
- 2014**            **Volunteer Exhibitor**  
Science Rendezvous, University of Manitoba
- 2013 – 2014**    **Vice-president External**  
Biology Undergraduate Students' Association, University of Manitoba
- 2012 – 2013**    **Peer Mentor**  
President Scholar's Society, University of Manitoba
- 2011 – 2012**    **Rehabilitation Assistant**  
Wildlife Haven Rehabilitation Centre

## **References**

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*Available upon request.*