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Summary of Qualifications:

- BCTF and IB-DP certified.
- Excellent interpersonal skills.
- Strong community involvement.
- Extensive knowledge of subject areas.

Education:

- *B.Ed.* The University of British Columbia, Canada, expected August 2013 (secondary biology and International Baccalaureate specialization).
- *Ph.D.* The University of Sydney, Australia, November 2013. Thesis title: Developmental and evolutionary determinants of brain properties and intelligence in amphibians and reptiles.
- *B.Sc.* (honours) Dalhousie University, May 2009. Thesis title: "Physiological and behavioural adaptations of the eastern ribbon snake (*Thamnophis sauritus*) to cold climates." GPA: 4.16 (4.3 scale).

Teaching Experience:

- West Point Grey Academy (field experience placement) April-May 2015
 - Outdoor education
 - Junior and senior school lessons
- West Vancouver Secondary School (practicum) February-April 2015
 - Science 10: Biology Unit.
 - Biology 12: Nervous, circulatory, and respiratory systems.
 - Standard Level IB Biology: Nervous and reproductive systems.
 - Higher Level IB Biology: Nervous and reproductive systems.
- University of Sydney January-December 2013
 - S.T.E.M. high school outreach demonstrator.
 - Kickstart high school outreach science communicator.
 - Tropical wildlife and biology management field course demonstrator.

Research Experience:

- University of British Columbia January 2015-present
 - Actively researching an extension for Variation Theory, which I developed.
 - University of Sydney March 2010-November 2013
 - Completed three long-term herpetological research projects.
 - Published six research papers in top academic journals.
 - Interviewed by BBC, ABC, and German Public Radio.
 - Acted as media review editor for the Canadian Herpetologist.
 - Supervised junior researchers.

Community Involvement:

- West Vancouver Secondary: senior tennis team assistant Apr 2015
- Make-a-wish BC and Yukon: volunteer Aug 2014-present

Professional Development:

- I am currently delivering a series of invited lectures exploring the effects of hormones on gender-stereotyped behaviours in the classroom.
- In 2015, I have attended professional development workshops on the IB curriculum, play, use of technology, LGBTQ rights and mental health.

Academic accomplishments:

Publications

- 1. **Amiel, JJ**, Bao, S and Shine, R (under review) The effects of incubation temperature on forebrain development in a lizard (*Bassiana duperreyi*). *PLoS Biology*.
- 2. Shine, R, **Amiel, JJ**, Munn, A, Stewart, M, Vyssotski, A and Lesku, J (in press) To kill an ectotherm: freezing is a humane method of euthanasia for most amphibians and reptiles. *Biology Open*.
- 3. **Amiel** JJ, Bezzina, C and Shine R 2014 Does invasion success reflect superior cognitive ability? A case study using two congeneric lizard species (*Lampropholis*, Scincidae). *PLoS ONE.*
- 4. **Amiel**, JJ, Lindström, T and Shine, R 2014 Egg incubation effects generate positive correlations between size, speed and learning ability in young lizards. *Animal Cognition*: 1-11.
- 5. Clark, BF, **Amiel**, JJ, Noble, DWA, Shine, R and Whiting, M 2014 Colour discrimination and associative learning in hatchling lizards incubated at 'hot' and 'cold' temperatures. *Behavioural Ecology and Sociobiology*: 1-9.
- Amiel, JJ and Shine R 2012 Hotter nests produce smarter young lizards. *Biology Letters*, 8, 372-374. Coverage by ABC, BBC, Science NOW, COSMOS, Wired.com, Livescience.com and New Scientist.
- 7. **Amiel**, JJ, Tingley, R and Shine, R 2011 Smart moves: effects of relative brain size on establishment success of invasive amphibians and reptiles. *PLoS ONE*, **6:e18277**. Coverage by Conservation Magazine.
- 8. **Amiel**, J, Chua, B, Jones, D and Wassersug R 2011 Temperature-dependent regulation of blood distribution in snakes. *Journal of Experimental Biology*, **214**, 1458-1462. Coverage by Herpetological Review.
- 9. Lockhart, J and **Amiel**, J 2011 A case of tail pseudoautotomy in the water snake (*Nerodia sipedon*). *Herpetological Review*, **42**, 296-297.
- 10. **Amiel**, JJ and Wassersug, R 2010 Temperature differentials between the bodies and tails of ribbons snakes (*Thamnophis sauritus*): ecological and physiological implications. *Amphibia-Reptilia*, **31**, 257-263.
- 11. Todd, J, **Amiel**, JJ and Wassersug, R 2010 Factors influencing the emergence of a northern population of eastern ribbon snakes (*Thamnophis sauritus*) from artificial hibernacula. *Canadian Journal of Zoology*, **87**, 1221, 1226.

Presentations and Invited Seminars

- 1. **Amiel,** JJ 2015 Gender, sex, and behaviour in the classroom (invited seminar). University of the Fraser Valley, Abbotsford, BC, Canada.
- 2. **Amiel**, JJ 2015 Gender, sex and behaviour. WestCAST, University of Saskatchewan, Saskatoon, SK, Canada.
- 3. **Amiel**, JJ 2013 Developmental and evolutionary determinants of brain properties and intelligence in amphibians and reptiles (invited seminar). LaTrobe University, Melbourne, VIC, Australia.
- 4. **Amiel**, JJ 2011 Variations in learning behaviour in amphibians and reptiles (oral presentation). Departmental Seminar, University of Sydney, Sydney, NSW, Australia.
- Amiel, JJ 2011 Temperature-dependant control of blood distribution in snakes (oral presentation). Joint Meeting of Ichtyologists and Herpetologists, Minnesota, MN, United States of America.
- Amiel, JJ 2010 Herps in the frozen north: thermoregulatory strategies of cold climate species (invited seminar). Royal Zoological Society of Southern Australia, Sydney, NSW, Australia.

7. **Amiel**, JJ 2009. Physiological and behavioural adaptations of the ribbon snakes (*Thamnophis sauritus*) to cold climates (oral presentation). Society for Integrative and Comparative Biology Annual Meeting, Boston, MAS, United States of America.

Awards 1. University of British Columbia, Mary A Bryant Scholarship. 2014 2. University of Sydney, Jabez King Heydon Award (most 2014 meritorious PhD thesis). 3. Natural Sciences and Engineering Research Council of 2011-13 Canada, Postgraduate Research Scholarship (PGS-D). 4. Australian National Imaging Foundation, Subsidy Grant. 2011-12 5. University of Sydney, Postgraduate Research Support 2011-12 Scheme Travel Grant. 6. Natural Sciences and Engineering Research Council of 2010 Canada, Postgraduate Research Scholarship (PGS-M). 7. University of Sydney, International Postgraduate Student 2010-13 Research Scholarship. 8. University of Sydney, International Postgraduate Award. 2010-13 9. Canada Millennium Scholarship. 2009 10. Constance I. MacFarlane Scholarship. 2009 11. Dalhousie University, In-course Scholarship. 2008 12. University of British Columbia, Rising Stars of Research 2008 National Poster Competition, Runner-up, Discovery Division. 13. Natural Sciences and Engineering Research Council of 2008 Canada, Undergraduate Student Research Award. 14. Dalhousie University, Developmental Biology Award. 2008 15. Natural Sciences and Engineering Research Council of 2007 Canada, Undergraduate Student Research Award. 16. Dalhousie University, David Andrew Dougall Bursary. 2007