

Kyle Chezik

Curriculum Vitae

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Education

- Ph.D.** Simon Fraser University (Burnaby) *Expected August 2018*
Thesis title: (TBD)
Advisor: Jonathan Moore
- M.Sc.** University of Minnesota (Twin Cities) 2013
Thesis title: Fish growth and degree-days: Advice for selecting base temperatures in both within- and among-lake studies.
Advisor: Paul Venturelli
- B.A.** St. Olaf College (Minnesota) 2009
Major: Biology (Environmental Studies concentration)

Research Interests

I'm interested in the interaction between terrestrial and aquatic systems at different temporal and spatial scales, such as the relationship between river network structure, landscape and topographic complexity and salmon life history diversity and resilience. My prior work has largely considered fish growth and thermal habitat. Presently, I'm interested in how river networks organize and aggregate climatic responses over diverse and complex landscapes. By combining my understanding of bioenergetics with river network responses to climate, I hope to clarify the link between the biotic and abiotic in lotic systems thereby better informing management and mitigating the effects of human impacts. I expect that my experience with large databases and statistical modeling will aid me in this work.

Experience

- Graduate Research Assistant, SFU (Moore lab) 2013-Present
Graduate Research Assistant, UMN (Venturelli lab) 2011-2013
Graduate Field Research Assistant, UMN (Venturelli Lab) (Spring) 2012
Associate MDR Specialist, Medtronic Inc., Mounds View, MN. 2011
Data Specialist/CSSC II, Kelly Scientific Services St. Louis Park, MN. 2009-2010
Field Research Assistant, St. Olaf Collaborative Undergraduate Research and Inquiry (CURI) Program. Northfield, MN. (Ceas Lab) 2008-2009

Teaching Experience

Teaching Assistant

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| Analysis of Populations | University of Minnesota | 2013 |
| Fisheries Population Analysis (Lab Instructor) | University of Minnesota | 2011 |
| Evolution and Diversity | St. Olaf College | 2009 |

Tutor

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| Intermediate Genetics | St. Olaf College | 2008 |
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Publications

- Chezik, K.A., Anderson, S.C., Moore, J.W. (*In Prep.*) River networks upscale local hydrological signals of climate change.
- Chezik, K.A., Nigel L.P., Venturelli, P.A. 2014. Fish growth and degree-days I: Selecting a base temperature for a within-population study. *Canadian Journal of Fisheries and Aquatic Sciences* 71(1): 47-55.
- Chezik, K.A., Nigel L.P., Venturelli, P.A. 2014. Fish growth and degree-days II: Selecting a base temperature for an among-population study. *Canadian Journal of Fisheries and Aquatic Sciences* 71(1): 1303-1311.
- Chezik, K.A. 2013. Travel Grant Report, Fisheries Society of the British Isles Newsletter (Winter) pg. 7

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Conference Presentations

- Chezik, K.A., Anderson, S.C., Moore, J.W. 2015. River Networks: River Networks Attenuate Climate-Induced Flow Trends. American Fisheries Society. Portland, OR. (Oral)
- Chezik, K.A., Moore, J.W. 2015. River Networks: A climate portfolio. IDEAS Symposium. Burnaby, BC. (Oral)
- Chezik, K.A., Nigel L.P., Venturelli, P.A. 2013. The first steps towards a standardized approach to using degree-days in fish science. Ecological Society of America Annual Meeting. Minneapolis Minnesota. (Oral)
- Chezik, K.A., Nigel L.P., Venturelli, P.A. 2013. Degree-days in Fish Science: An argument for the Standardization of Base Temperatures. Symposium for European Freshwater Sciences. Münster Germany. (Oral)
- Chezik, K.A., Nigel L.P., Venturelli, P.A. 2012. Degree-Day Thresholds: Towards a standardized approach to using degree-days in fish science. American Fisheries Society. St. Paul MN. (Oral)
- Fernanda A., Chezik, K.A., Loppnow, G., Venturelli, P.A. 2012. Using degree-days to predict when eggs will hatch in the field. American Fisheries Society. St. Paul MN. (Poster)
- Chezik, K.A. Nigel L.P., Venturelli, P.A. 2012. Degree-Day Thresholds: Towards a standardized approach to using degree-days in fish science. International Congress on the Biology of Fish. Madison, WI. (Oral)

Other Presentations

- Chezik, K.A., Nigel L.P., Venturelli, P.A. 2013. Degree-Day Thresholds: Towards a standardized approach to using degree-days in fish science. UMN Conservation Biology Spring Seminar. University of Minnesota Twin Cities Campus, St. Paul, MN. (Oral)
- Chezik, K.A., Nigel L.P., Venturelli, P.A. 2012. Degree-Day Thresholds: Towards a standardized approach to using degree-days in fish science. Fall Minnesota Department of Natural Resources Research Meeting. Itasca Biological Station and Laboratories, South Clearwater, MN. (Oral)
- Chezik, K.A., Nigel L.P., Venturelli, P.A. 2012. Degree-Day Thresholds: Towards a standardized approach to using degree-days in fish science. Summer Minnesota Department of Natural Resources Research Meeting. Eagle Bluff Environmental Learning Center, Lanesboro, MN. (Oral)
- Chezik, K.A., Porterfield, J.C., Ceas, P.A. 2009. Habitat requirement and genetic variation of the Northern Longear sunfish (*Lepomis megalotis peltastes*). St. Olaf Student Independent Research Symposium. Northfield, MN. (Oral/Poster)

Funding/Awards

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| BISC Travel & Minor Research Award (\$405) | SFU Biological Sciences | 2015 |
| FWCB Travel Grant (\$400) | Fisheries Wildlife and Conservation Biology | 2013 |
| FSBI Travel Grant (£1,000) | The Fisheries Society of the British Isles | 2013 |
| Conservation Biology Block Grant (\$4,500), | UMN, Conservation Biology Program | 2012 |
| Behrent's Grant (\$200) | St. Olaf College | 2009 |
| Volunteer Network: Program of the Year Award | St. Olaf College | 2009 |

Activities/Volunteer

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| Member, American Fisheries Society | |
| Member, The Fisheries Society of The British Isles | |
| Coordinator, Conservation Biology Bike Relay Fundraiser, UMN, Conservation Biology Program | 2011-2012 |
| Volunteer Buddy, Laura Baker Services Buddy Program | 2009 |

Skills

Writing: Technical writing, proposal and manuscript writing.

Field: Backpack electrofishing, barge electrofishing, seining, gill netting, scaling, I.D. clipping, tissue sampling, external tagging, D.O. measurements, turbidity/discharge measurements, temperature sampling, etc.

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Lab: Water Nutrient Analysis (N/P), PCR, DNA Extraction/Isolation, Polyacrylamide Gel Electrophoresis, and Genotype Analysis.

Computer: Adept at managing large databases using R, Excel, QGIS and ArcGIS.

References

Dr. Patrick Ceas, Chemical Hygiene Officer

St. Olaf College

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Dr. Jonathan Moore, Assistant Professor

Liber Ero Chair of Aquatic Ecology and Conservation

Simon Fraser University, Department of Biological Sciences

Phone: (778) 782-9246, Email: jwmoore@sfu.ca

Dr. Paul Venturelli, Assistant Professor

University of Minnesota, Department of Fisheries, Wildlife, and Conservation Biology

Phone: (612) 624-4228, Email: pventure@umn.edu

Additional references available upon request.