Kyle Chezik

Curriculum Vitae

Email: kchezik@sfu.ca
Phone: 1 (206) 832-5883
Address: 115 33rd Ave E.,
Seattle WA, 98112

Education

Ph.D Simon Fraser University (Burnaby) *Expected December 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

Workshops:		
Skeena Fisheries Commission: Intro. to R	Prince Rupert, BC	2016
Teaching Assistant:		
Analysis of Populations	University of Minnesota	2013
Fisheries Population Analysis (Lab Instructor)	University of Minnesota	2011
Evolution and Diversity	St. Olaf College	2009
Tutor:		
Intermediate Genetics	St. Olaf College	2008

Publications

Chezik, K.A., Wilson, S.M., Moore, J.W. (In Prep). Spatial structuring of climate match-mismatch in a migratory fish. Target Journal: Global Change Biology.

Chezik, K.A., Anderson, S.C., Moore, J.W. 2017. River networks dampen long-term hydrological signals of climate change. Geophysical Research Letters 44: 7256-7264

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

Conference Presentations

Chezik, K.A., S.W., Wilson, Moore, J.W. 2018. Spatial Structuring of Match-Mismatch. IDEAS Symposium. Burnaby, BC. (Oral)
Chezik, K.A., Anderson, S.C., Moore, J.W. 2017. River Networks Dampen Long-Term Hydrological Signals of Climate Change. Canadian Society of Ecology and Evolution. Victoria, BC. (Oral)
Chezik, K.A., Anderson, S.C., Moore, J.W. 2017. River Networks Dampen Long-Term Hydrological Signals of Climate Change. American Water Resources Association. Salt Lake City, UT. (Invited-Oral)
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

BISC Travel & Minor Research Award ($500 CAD)	SFU Biological Sciences	2018
BISC Graduate Fellowship Award ($6500 CAD)	SFU Biological Sciences	2017
BISC Travel & Minor Research Award ($400 CAD)	SFU Biological Sciences	2017
BISC Graduate Fellowship Award ($6500 CAD)	SFU Biological Sciences	2016
BISC Travel & Minor Research Award ($650 CAD)	SFU Biological Sciences	2016
BISC Travel & Minor Research Award ($405 CAD)	SFU Biological Sciences	2015
FWCB Travel Grant ($400 USD)	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 USD)	UMN, Conservation Biology Program	2012
Behrent's Grant ($200 USD)	St. Olaf College	2009
Volunteer Network: Program of the Year Award	St. Olaf College	2009

Contract Work

Pacific Salmon Foundation (ESSA Inc.)	Stream Network Temperature Modeling for British Columbia	2016

Activities/Volunteer

Member, Association for the Sciences of Limnology and Oceanography	2018-Present
Member, Canadian Society for Ecology and Evolution (CSEE)	2016-Present
Member, American Water Resources Association (AWRA)	2016-Present
Member, The Fisheries Society of The British Isles (FSBI)	2012-Present
Member, American Fisheries Society (AFS)	2011-Present
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.
Lab: Water Nutrient Analysis (N/P), PCR, DNA Extraction/Isolation, Polyacrylamide Gel Electrophoresis, and Genotype Analysis.
Computer: Adept at managing and manipulating large databases using R, Python and Excel using R packages such as plyr, dplyr, lubridate and others within the tidyverse. Knowledge of spatial programing and analysis using QGIS, ArcGIS, Python, R, SAGA, and Whitebox. Broad ad hoc statistical knowledge using maximum likelihood and Bayesian methodology in R via packages such as nlme, rstan, lme4, MASS, etc.

References

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 of Fisheries
Ball State, Department of Biology
Phone: (765) 285-8812, Email: paventurelli@bsu.edu

Dr. Patrick Ceas, Chemical Hygiene Officer
St. Olaf College
Phone: (507) 786-3560, Email: ceas@stolaf.edu

Additional references available upon request.