

# Martyna Lukaszewicz

Statistical Science Department | <https://www.uidaho.edu/sci/stat>  
Bioinformatics and Computational Biology Program | <https://www.uidaho.edu/sci/bcb>  
<https://martynalukaszewicz.github.io> | e-mail: [martyna@uidaho.edu](mailto:martyna@uidaho.edu) | phone: 208-301-1271

## PROFESSIONAL POSITIONS

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**Data Entry Independent Contractor, Short-Term** Jan 2017-Aug 2018  
Global Organization for EPA and DHA Omega-3, Salt Lake City, UT

**Quality Control Technician** Jan-Aug 2016  
IEH Laboratories, Seattle, WA

## EDUCATION

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**PhD Bioinformatics and Computational Biology** Expected 2021  
University of Idaho, Moscow, ID

- Co-advisors: Erkan Buzbas and Paul Hohenlohe

**MS Statistical Science** 2018  
University of Idaho, Moscow, ID

- Thesis: *Sample Size Estimation in the Multinomial Model*
- Advisor: Brian Dennis

**BS Biology**  
**Minor in Engineering** 2015  
Washington State University, Pullman, WA

## AWARDS

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**Biology Research Award** Apr 2015  
School of Biological Sciences, Washington State University, Pullman, WA

- \$500.00

## TEACHING EXPERIENCE

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**Teaching Assistant** August 2016-December 2017  
Department of Statistical Science, University of Idaho, Moscow, ID

## RESEARCH EXPERIENCE

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**Research Assistant** Jan 2018-Present  
Bioinformatics and Computational Biology Program and Statistical Science Department,  
University of Idaho, Moscow, ID

**TH-Research-Non-Lab** Jun-Aug 2017  
Wildlife Resources, University of Idaho, Moscow, ID

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## PUBLICATIONS

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X. Lin, **M. Lukaszewicz**, and A. Al Jahan, “Univariate (statistics),” *Wikipedia*. 2017.

In preparation:

**M. Lukaszewicz**, B. Dennis, Sample Size Estimation in the Multinomial Model *Journal of Agricultural, Biological and Environmental Statistics*.

## POSTERS

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**Lukaszewicz M**, Salia OI, Hohenlohe PA, Buzbas EO. Approximate Bayesian Computational Statistical Methods to Identify Loci Under Selection from yeast Genomic Data. Poster presented at: Plant and Animal Genome XXVIII Conference; January 14, 2020; San Diego, CA.

Salia OI, **Lukaszewicz M**, Hether TD, Veillet A, Cavileer T, Hohenlohe PA, Buzbas EO. Experimental Test of Genomic Islands of Differentiation Under Divergent Selection with and without Sexual Reproduction and Migration. Poster presented at: Evolution 2019; June 23, 2019; Providence, RI.

**Lukaszewicz M**, Salia OI, Hohenlohe PA, Buzbas EO. Approximate Bayesian Computational Methods to Estimate the Strength of Divergent Selection in Yeast. Poster presented at: Symposium on Data Science and Statistics, Beyond Big Data: Building Data Tools; June 1, 2019; Bellevue, WA.

**Lukaszewicz M**, Salia OI, Hohenlohe PA, Buzbas EO. Approximate Bayesian Computational Statistical Methods to Identify Loci Under Selection from Genomic Data. Poster presented at: Research Computing and Data Science Symposium; May 16, 2019; Moscow, ID.

**Lukaszewicz M**, Salia OI, Hohenlohe PA, Buzbas EO. Approximate Bayesian Computational Statistical Methods to Estimate the Strength of Divergent Selection in Yeast. Poster presented at: 14<sup>th</sup> Annual College of Science Student Research Exposition; October 18, 2018; Moscow, ID.

## MEMBERSHIPS (current)

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American Statistical Association, Snake River Chapter

## PROFESSIONAL SERVICE

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Tenure Committee Member for Erkan Buzbas PhD  
Department of Statistical Science, University of Idaho, Moscow, ID

September 2018

Director of Finance, Graduate and Professional Student Association  
College of Graduate Studies, University of Idaho, Moscow, ID

August 2018-Present

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**Statistical Science Senator, Graduate and Professional Student Association**  
College of Graduate Studies, University of Idaho, Moscow, ID

**August 2017-May 2018**

## SKILLS

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<b>Basic</b>	C++, MATLAB
<b>Intermediate</b>	R, python, SAS