

Demetri Pananos

Department of Epidemiology & Biostatistics
Schulich School of Medicine & Dentistry
Western University
London, ON

Phone: (519)-670-5267
Email: apananos@uwo.ca

Research Interests

Applied mathematics & applied statistics.

Education

Ph.D	Biostatistics	Western University, Present
M.Math	Applied Mathematics	University of Waterloo, 2016
B.Sc	Applied Mathematics	Western University, 2014

Memberships

2018-Present Rotman Institute for Philosophy

Publications

Papers in Refereed Journals

1. Gulilat, M., Keller, D., Linton, B., **Pananos, A. D.**, Lizotte, D., Dresser, G. K., Alfonsi, J., Tirona, R.G., Kim, R., Schwarz, U. I. (2019). Drug interactions and pharmacogenetic factors contribute to variation in apixaban concentration in atrial fibrillation patients in routine care. *Journal of Thrombosis and Thrombolysis*, 1-10.
2. **Pananos, A. D.**, Bury, T. M., Wang, C., Schonfeld, J., Mohanty, S. P., Nyhan, B., Salathé, M., Bauch, C. T. 2017. Critical dynamics in population vaccinating behavior. *Proceedings of the national academy of sciences*.
3. Chadwick, S.R., **Pananos, A.D.**, Di Gregorio, S.E., Park, A.E., Etedali-Zadeh, P., Duennwald, M.L. and Lajoie, P., 2016. A Toolbox for Rapid Quantitative Assessment of Chronological Lifespan and Survival in *Saccharomyces cerevisiae*. *Traffic*, 17(6), pp.689-703.
4. Lamb, T.D., Corless, R.M. and **Pananos, A.D.**, 2015. The kinetics of regeneration of rhodopsin under enzyme-limited availability of 11-cis retinoid. *Vision research*, 110, pp.23-33.

Conference Presentations

1. *Early Warning Signals of Vaccine Scares* presented at Canadian Applied and Industrial Mathematics Society at The University of Alberta, June 26 - 30 2016.
2. *Early Warning Signals of Vaccine Scares* presented at The International Workshop on Applied Probability at The University of Toronto, June 20 - 23 2016.

3. *Early Warning Signals of Vaccine Scares* presented at Southern Ontario Graduate Mathematics & Statistics Conference at The University of Guelph, June 13 - 14 2016.

Poster Presentations

1. London Health Research Day, April 30 2019, London Ontario Canada.

Attended Conferences

Statistical Inference, Learning and Models in Data Science at The Fields Institute, September 24 - 27 2018.

Canadian Applied and Industrial Mathematics Society at The University of Alberta, June 26-30 2016.

International Workshop on Applied Probability in Toronto, Ontario, June 20-23 2016.

Southern Ontario Graduate Mathematics and Statistics Conference at The University of Guelph, June 13-14 2016.

Canadian Applied and Industrial Mathematics Society at Wilfred Laurier University, June 7 - 12 2015.

Algorithms and Complexity in Mathematics, Epistemology, and Science at Western University, May 6-8 2015.
Organizers: Rob Corless, Chris Smeenk

Biomath Days at The University of Ottawa, May 1-2 2014. Organizers: Robert Smith?

Areas of Competency

Applied Mathematics: Calculus, Linear Algebra, ODE, PDE, Optimization, Numerical Analysis, Classical Mechanics, Real & Complex Analysis, Mathematical Biology

Applied Statistics: Bayesian Modelling, Regression, Classification, Clustering, Statistical Modelling, Variable Selection, Statistical Computing

Technical Languages

Python, R, MATLAB, SQL, Maple, SAS

Teaching Experience

Teaching Assistant at Western University

BIOSTAT 9510A (Biostatistical Research Methods) Fall 2018

BIOSTAT 3110A (Multivariable Methods) Winter 2019

Teaching Assistant at The University of Waterloo

AM 250 (Introduction to Differential Equations) Spring 2015

AM 250 (Introduction to Differential Equations) Winter 2015

MATH 119 (Engineering Calculus II) Winter 2015

MATH 116 (Engineering Calculus I) Fall 2014, Fall 2015

MATH 136 (Honors Calculus for Math Students I) Fall 2014

Last updated: October 10, 2019