

Stanford



Pratheepa Jeganathan

Postdoctoral Research Fellow, Statistics

Bio

HONORS AND AWARDS

- SSPA Best Poster/Presentation Award, JSM 2016, ASA, Section for Programmers and Analysts (August 2016)
- Fuller Graduate Scholarship, Department of Mathematics and Statistics, Texas Tech University (2015-2016)
- John White Graduate Scholarship, Department of Mathematics and Statistics, Texas Tech University (2014 -2016)
- TEACH (Teaching Effectiveness And Career enHancement) Fellowship, Teaching, Learning, & Professional Development Center, Texas Tech University (2014-2015)
- Graduate Student Scholarship, SIAM at Texas Tech University (2013-2014)
- Summer Research Thesis Award, Graduate school, Texas Tech University (June 2013)
- Award for Academic Excellence, University of Peradeniya, Sri Lanka (2010)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Texas Tech University (2016)
- Master of Science, Texas Tech University (2013)
- Bachelor of Science, University Of Peradeniya, Sri Lanka (2011)

STANFORD ADVISORS

- Susan Holmes, Postdoctoral Research Mentor
- Susan Holmes, Postdoctoral Faculty Sponsor

LINKS

- My Website: <https://pratheepaj.github.io/>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Statistical methods for longitudinal human microbiome data

LAB AFFILIATIONS

- Susan Holmes (8/1/2016)

Teaching

COURSES

2018-19

- Introduction to Nonparametric Statistics: STATS 205 (Spr)

Publications

PUBLICATIONS

- **An empirical saddlepoint approximation based method for smoothing survival functions under right censoring** *CANADIAN JOURNAL OF STATISTICS-REVUE CANADIENNE DE STATISTIQUE*
Jeganathan, P., Randrianampy, N. V., Paige, R. L., Trindade, A.
2019; 47 (2): 238–61
- **Replication and refinement of a vaginal microbial signature of preterm birth in two racially distinct cohorts of US women.** *Proceedings of the National Academy of Sciences of the United States of America*
Callahan, B. J., DiGiulio, D. B., Goltsman, D. S., Sun, C. L., Costello, E. K., Jeganathan, P., Biggio, J. R., Wong, R. J., Druzin, M. L., Shaw, G. M., Stevenson, D. K., Holmes, S. P., Relman, et al
2017
- **Multidomain analyses of a longitudinal human microbiome intestinal cleanout perturbation experiment.** *PLoS computational biology*
Fukuyama, J., Rumker, L., Sankaran, K., Jeganathan, P., Dethlefsen, L., Relman, D. A., Holmes, S. P.
2017; 13 (8): e1005706
- **Hematological Effects, Serum, and Pulmonary Cytokine Profiles in a Melanoma Mouse Model Treated with GK1** *CANCER BIOTHERAPY AND RADIOPHARMACEUTICALS*
Perez-Torres, A., Vera-Aguilera, J., Sahaza, J. H., Vera-Aguilera, C., Moreno-Aguilera, E., Pulido-Camarillo, E., Nunez-Ochoa, L., Jeganathan, P.
2015; 30 (6): 247-254
- **Saddlepoint-based bootstrap inference for the spatial dependence parameter in the lattice process** *SPATIAL STATISTICS*
Jeganathan, P., Paige, R. L., Trindade, A. A.
2015; 12: 1-14

PRESENTATIONS

- Bayesian Inference For Removing Contamination In Microbiome Studies - Center for Computational Biology (4/1/2019)