

Paurush Praveen
Annexure: List of publication

Peer review journals

1. **P Praveen**, R. Kuner, H. Sultman, H. Fröhlich; Cross-talk between AMPK and EGFR dependent Signaling in Non-Small Cell Lung Cancer, Nature Scientific Reports , 2016 Jun 9;6:27514. doi: 10.1038/srep27514.
2. **P.Praveen** et al.; Alzheimer's Disease Neuroimaging Initiative - Crowdsourced estimation of cognitive decline and resilience in Alzheimer's disease. *Alzheimers Dement.* 2016 Apr 11. pii: S1552-5260(16)00081-9. doi: 10.1016/j.jalz.2016.02.006. §
3. **P. Praveen**, F. Jordan, C. Priami, MJ Morine; The role of breast-feeding in infant immune system: a systems perspective on the intestinal micro biome, *Microbiome.*, 2015 Sep 24;3:41. doi: 10.1186/s40168-015-0104-7
4. F. Jordan, M. Scotti, M. Lauria, T. Nguyen, **P. Praveen** , M. Morine, C. Priami; Diversity of key players in the microbial ecosystems of the human body, *Nature Scientific Reports*, 2015 Oct 30;5:15920. doi: 10.1038/srep15920.
5. **P. Praveen** , H. Fröhlich; Boosting Statistical Network Inference by Incorporating Prior Knowledge from Multiple Sources, *PlosOne*, 8(6): e67410, 06 2013
6. H. Failmezger, **P. Praveen**†, A. Trech, H. Fröhlich; Learning Gene Network Structure from Time Laps Cell Imaging in RNAi Knock-Downs, *Bioinformatics*, 29, 1534-1540, 2013.
7. H. Fröhlich, **P. Praveen** , A.Tresch Fast and Efficient Dynamic Nested Effects Models, *Bioinformatics*, 27, 238-244, 2011.

Under review/preparation

1. M Buyse, E Doffagne, ED Saad, L Trotta, **P Praveen**; Statistical monitoring of data quality in multicenter clinical trials. (To be submitted)
2. **P Praveen**, et al.; A community-based challenge for building predictive models of gene essentialities over a large-scale functional screen of cancer cell lines, *Nature Biotechnology*(Submitted) §
3. K. Abnaof, J. Dinis, G. Singh, **P. Praveen**, M. Zimmerman, H. Fröhlich Using consensus clustering to explore biological effect similarities of

drug treatments based on integrated biological knowledge from multiple sources. PloS One (Submitted)

4. **P. Praveen**, H. Fröhlich ; PriorNet: R package to compute consensus probabilistic prior for networks from multiple knowledge sources, Bioinformatics (To be submitted)

Books

1. **P. Praveen**; Bioinformatics with R cookbook, Packt Publishers, Birmingham (UK), 2014

Conference presentations

1. L Trotta, D Venet, E Doffagne, L Desmet, **P Praveen**, T Burzykowski, M Buyse; Statistical monitoring of data quality in multicenter clinical trials. PSI Annual Conference (London) 2017
2. S. Rizzeto, **P. Praveen** , M. Lauria, C.Priami; Integrative learning of gene essentiality using data and knowledge with cluster specific models. RECOMB/ISCB Conference on Regulatory and Systems Genomics, with DREAM Challenges and Cytoscape Workshops, San Diego (USA), 2014 (Poster)
3. H. Failmezger, **P. Praveen**†, A. Trech, H. Fröhlich; Learning Gene Network Structure from Time Laps Cell Imaging in RNAi Knock-Downs (Highlight paper) German Conference in Bioinformatics 2013
4. **P. Praveen** , H. Fröhlich; Constructing informative prior from multiple knowledge sources to improve network inference, Rocky Mountain Bioinformatics 2012, Aspen (Colorado), USA (ORAL TALK) *
5. **P. Praveen** , H. Fröhlich; Boosting Statistical Network Inference by Incorporating Prior Knowledge from Multiple Sources; MLSB at ECCB 2012, Basel, Switzerland (ORAL TALK, Poster; also at ESCS)*
6. H. Fröhlich, **P. Praveen** , A. Tresch; Fast and Efficient Dynamic Nested Effects Models, (Highlight Paper) ISMB Vienna, 2011
7. **P. Praveen** , A. Tresch, H. Fröhlich; Efficient learning of signaling networks from time series data via dynamic nested effects model; ECCB 2010, Ghent, Belgium (POSTER)

† Equal first author

Co-author

* Award winning presentations

§ Consortium paper