

Main Scientific Publications

(As of 27 Jan. 2015, see footnotes at end of the publication section)

-- 2014 (12 papers) --

- JC Mu, M Mohiyuddin, J Li, NB Asadi, MB Gerstein, A Abyzov, WH Wong, HY Lam (2014). "VarSim: A high-fidelity simulation and validation framework for high-throughput genome sequencing with cancer applications." *Bioinformatics* btu828
- A Harmanci, J Rozowsky, M Gerstein (2014). "MUSIC: Identification of Enriched Regions in ChIP-Seq Experiments using a Mappability-Corrected Multiscale Signal Processing Framework." *Genome Biol* 15: 474.
- R Kitchen, J Rozowsky, M Gerstein, A Nairn (2014). "Decoding neuroproteomics: integrating the genome, transcriptome and functional anatomy." *Nat Neurosci.* 11:1491-1499
- Y Fu, Z Liu, S Lou, J Bedford, X Mu, KY Yip, E Khurana, M Gerstein (2014). "FunSeq2: A framework for prioritizing noncoding regulatory variants in cancer." *Genome Biol* 15: 480.
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- MB Gerstein, J Rozowsky, KK Yan, D Wang, C Cheng, JB Brown, CA Davis, L Hillier, C Sisu, JJ Li, B Pei, AO Harmanci, MO Duff, S Djebali, RP Alexander, BH Alver, R Auerbach, K Bell, PJ Bickel, ME Boeck, NP Boley, BW Booth, L Cherbas, P Cherbas, C Di, A Dobin, J Drenkow, B Ewing, G Fang, M Fastuca, EA Feingold, A Frankish, G Gao, PJ Good, R Guigó, A Hammonds, J Harrow, RA Hoskins, C Howald, L Hu, H Huang, TJ Hubbard, C Huynh, S Jha, D Kasper, M Kato, TC Kaufman, RR Kitchen, E Ladewig, J Lagarde, E Lai, J Leng, Z Lu, M MacCoss, G May, R McWhirter, G Merrihew, DM Miller, A Mortazavi, R Murad, B Oliver, S Olson, PJ Park, MJ Pazin, N Perrimon, D Pervouchine, V Reinke, A Reymond, G Robinson, A Samsonova, GI Saunders, F Schlesinger, A Sethi, FJ Slack, WC Spencer, MH Stoiber, P Strasbourger, A Tanzer, OA Thompson, KH Wan, G Wang, H Wang, KL Watkins, J Wen, K Wen, C Xue, L Yang, K Yip, C Zaleski, Y Zhang, H Zheng, SE Brenner, BR Graveley, SE Celniker, TR Gingeras, R Waterston (2014). "Comparative analysis of the transcriptome across distant species." *Nature* 512: 445-8.
- C Sisu, B Pei, J Leng, A Frankish, Y Zhang, S Balasubramanian, R Harte, D Wang, M Rutenberg-Schoenberg, W Clark, M Diekhans, J Rozowsky, T Hubbard, J Harrow, MB Gerstein (2014). "Comparative analysis of pseudogenes across three phyla." *Proc Natl Acad Sci U S A* 111: 13361-6.
- KK Yan, D Wang, J Rozowsky, H Zheng, C Cheng, M Gerstein (2014). "OrthoClust: an orthology-based network framework for clustering data across multiple species." *Genome Biol* 15: R100.
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KY Yip, C Cheng, M Gerstein (2013). "Machine learning and genome annotation: a match meant to be?" *Genome Biol* 14: 205.

E Khurana, Y Fu, J Chen, M Gerstein (2013). "Interpretation of genomic variants using a unified biological network approach." *PLoS Comput Biol* 9: e1002886. [PMID: 23505346][PMCID: PMC3591262]

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- E Khurana, Y Fu, J Chen, M Gerstein (2013). "Interpretation of genomic variants using a unified biological network approach." *PLoS Comput Biol* 9: e1002886.

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Notes on Scientific Publications

(As of 28 Nov. 2014)

- a) 474 scientific publications in total. Not including in press or submitted articles.
- b) H-index for M Gerstein is 124
(according to Google Scholar, scholar.google.com/citations?user=YvjuUugAAAAJ)
- c) In the publication list, if M Gerstein is not a last or first author, he is not considered to be a "corresponding" or "senior" author except as noted by the asterisks (*) in the list below:

Abyzov... Urban*, Gerstein*, Vaccarino* (2012) *Nature* 492: 438-42

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Recorded Panel Discussions & Interviews

- M Gerstein (2008). "A Great Historical Document - The Human Genome", Futures in Biotech 34 (podcast moderated by M Pelletier)
- "A Closer Look at Personal Genomic Testing", Inforum Genomics Panel, at the Commonwealth Club of California, including L Avey, D Ballon, D Magnus, M Gerstein, J Rae-Dupree (2009)
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- "6 PhDs Piled High And Deep", a panel discussion moderated by M Pelletier, including G Farr, D Thomas, M Gerstein, S Melov, and J Sanchez. Futures in Biotech 91 (16 Dec. 2011)
- M Gerstin (2014). Interview for "What in the World," Sirius XM Radio Canada, Host Richard Garner, 60' on 20 Nov.