### Main Scientific Publications (See footnotes at end of the publication section)

### -- 2019 --

JS Johnson, D Spakowicz, BY Hong, LM Petersen, P Demkowicz, L Chen, SR Leopold, BM Hanson, HO Agresta, M Gerstein, E Sodergren, GM Weinstock (2019). " Evaluation of 16S rRNA gene sequencing for species and strain-level microbiome analysis." *Nat Commun.* 10: 5029

J Warrell, MB Gerstein (2019). "Hierarchical PAC-Bayes Bounds via Deep Probabilistic Programming." Bayesian Deep Learning Workshop at NeurIPS.

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S Kumar, D Clarke, MB Gerstein (2019). "Leveraging protein dynamics to identify cancer mutational hotspots using 3D structures." *Proc Natl Acad Sci U S A* 116: 18962-18970.

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FC Navarro, J Hoops, L Bellfy, E Cerveira, Q Zhu, C Zhang, C Lee, MB Gerstein (2019). "TeXP: Deconvolving the effects of pervasive and autonomous transcription of transposable elements." *PLoS Comput Biol* 15: e1007293.

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J Rozowsky, RR Kitchen, JJ Park, TR Galeev, J Diao, J Warrell, W Thistlethwaite, SL Subramanian, A Milosavljevic, M Gerstein (2019). "exceRpt: A Comprehensive Analytic Platform for Extracellular RNA Profiling." *Cell Syst* 8: 352-357e3.

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### Notes on Scientific Publications (As of 31 Dec. 2019)

a) In total, 582 scientific publication.   
Not including in press or submitted articles or popular pieces, such as 12 published newspaper Op-Eds. This list does include a few significant CS-oriented conference papers but other than that mostly excludes conference procedings and workshops.

b) H-index for M Gerstein is 166   
(according to Google Scholar, scholar.google.com/citations?user=YvjuUugAAAAJ)

c) Highly Cited Researchers (HCR) list inclusion.   
On Thomson Reuters list, in 2014 to 2016. On succeeding Clarivate list, in 2017 to 2019.

d) Senior Author Status.   
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:

Li… PsychENCODE Consortium… Sanders, Sullivan,   
**Gerstein\***, Lein\*, Knowles\*, Sestan\* ('18). *Science* 362: 1264

Carlyle... Sestan, **Gerstein\***, Nairn\* ('18). *J Proteome Res* 17: 3431

Sudmant… 1000 Genomes Project, Mills\*, **Gerstein\***, Bashir\*, Stegle\*, Devine\*, Lee\*, Eichler\*, Korbel\* ('15). *Nature*526: 75

Abyzov... Urban\*, **Gerstein\***, Vaccarino\* ('12) *Nature*492: 438

Gianoulis... **Gerstein\***, Strobel\* ('12). *PLoS Genet* 8: e1002558

MacArthur... 1000 Genomes Project... **Gerstein\***, Tyler-Smith\* ('12). *Science*335: 823

Mills... Eichler\*, **Gerstein\***, Hurles\*, Lee\*, McCarroll\*, Korbel\*,   
1000 Genomes Project ('11). *Nature* 470: 59

Bertone... **Gerstein\***, Snyder\* ('04). *Science* 306: 2242