The Bioinformatics and Biostatistics Journal Club is designed to promote learning and intellectual development within DCEG. This Journal Club offers a platform for us to stay current with recent research, explore new findings, and participate in thought-provoking discussions alongside our colleagues.

We invite you to contribute to this dynamic environment by recommending a paper that has captured your interest. Please submit your suggestions at the journal club GitHub repo discussion forum. Your participation is key to maintaining the richness of our discussions and the breadth of our learning. In addition to paper suggestions, we are always looking for volunteers who are willing to lead our discussions or present on topics of interest.

## DCEG Bioinformatics and Biostatistics Journal Club Schedule

### Meeting 23-05-10

- Title: Using Population Descriptors in Genetics and Genomics Research
- Authors: National Academies of Sciences, Engineering, and Medicine
- Link: https://nap.nationalacademies.org/catalog/26902/using-population-descriptors-in-genetics-and-genomics-research-a-new
- Presenter: Peter Kraft

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### Meeting 23-08-09

- Title: What Is ChatGPT Doing … and Why Does It Work?
- Author: Stephen Wolfram
- Link: https://writings.stephenwolfram.com/2023/02/what-is-chatgpt-doing-and-why-does-it-work/
- Presenter: Jeya Balasubramanian

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### Meeting 23-09-27

- Title: Gene Set Summarization using Large Language Models
- Authors: Joachimiak, M. P., Harry Caufield, J., Harris, N. L., Kim, H., & Mungall, C. J.
- Link: http://arxiv.org/abs/2305.13338
- Presenter: Sijia Huo

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### Meeting 24-02-21

- Title: The Helicobacter pylori Genome Project: insights into H. pylori population structure from analysis of a worldwide collection of complete genomes.
- Authors: Thorell, K., Muñoz-Ramírez, Z. Y., Wang, D., Sandoval-Motta, S., Boscolo Agostini, R., Ghirotto, S., Torres, R. C., HpGP Research Network, Falush, D., Camargo, M. C., & Rabkin, C. S.
- Link: https://doi.org/10.1038/s41467-023-43562-y
- Presenter: Difei Wang

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### Meeting 24-03-13

- Title: Transcriptomic profiling of lung adenocarcinoma from never-smokers reveals molecular subtypes with clinical implications
- Presenter: Wei Zhao

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## Meeting 24-04-10

- Title: Large-scale snRNA-seq dataset revealed cell subtype-specific effects of genetic variation in the Alzheimer's disease brain
- Authors: Fujita, M., Gao, Z., Zeng, L., McCabe, C., White, C. C., Ng, B., Green, G. S., Rozenblatt-Rosen, O., Phillips, D., Amir-Zilberstein, L., Lee, H., Pearse, R. V., 2nd, Khan, A., Vardarajan, B. N., Kiryluk, K., Ye, C. J., Klein, H.-U., Wang, G., Regev, A., … De Jager, P. L.
- Link: https://www.nature.com/articles/s41588-024-01685-y
- Presenter: Bolun Li

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## Meeting 24-05-08

- Title: Establishing a single-cell eQTL dataset of lung tissues from Asian women never-smokers to elucidate cell-type specific genetic regulation
- Presenter: Thong Luong