



# ELSI FRIDAY FORUM

## “Wrestling with Social and Behavioral Genomics”

**Date and time:** Friday, January 13, 9am PT / 12pm ET

**Speakers:** Benjamin Neale, PhD & Evelynn Hammonds, PhD

**Moderators:** Michelle Meyer, PhD, JD & Erik Parens, PhD

### Biographies

**Moderator:** Michelle Meyer, PhD, JD

Biography: <https://elsihub.org/directory/michelle-n-meyer>

**Moderator:** Erik Parens, PhD

Biography: <https://elsihub.org/directory/erik-parens>

**Panelist:** Benjamin Neale, PhD

Biography: <https://www.broadinstitute.org/bios/benjamin-neale>

**Panelist:** Evelynn Hammonds, PhD

Biography: <https://aaas.fas.harvard.edu/people/evelynn-m-hammonds>

### ELSIhub Collections

ELSIhub Collections are essential reading lists on fundamental or emerging topics in ELSI, curated and explained by expert Collection Editors. Please use the link to access *Genomics of Education in Education: ELSI Concerns about Genomic Prediction in Educational Settings* curated by Lucas J. Matthews, PhD, Assistant Professor of Bioethics, Columbia University; Presidential Scholar, The Hastings Center; Research Scientist, Research Foundation for Mental Hygiene & Natalie White, Research Assistant, Research Foundation for Mental Hygiene, M.S. in Clinical Research Methods Candidate, Fordham University.

<https://elsihub.org/collection/genomics-education-education-elsi-concerns-about-genomic-prediction-educational-settings>



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**Michelle Meyer, PhD, JD**

Link to “Problems with Using Polygenic Scores to Select Embryos” (2021):

<https://www.nejm.org/doi/full/10.1056/NEJMSr2105065>

Link to “Concerns about the use of polygenic embryo screening for psychiatric and cognitive traits” (2022):

[https://www.thelancet.com/journals/lanpsy/article/PIIS2215-0366\(22\)00157-2/fulltext](https://www.thelancet.com/journals/lanpsy/article/PIIS2215-0366(22)00157-2/fulltext)

Link to “Getting genetic ancestry right for science and society” (2022):

<https://www.science.org/doi/10.1126/science.abm7530>

Link to “Use of Race, Ethnicity, and Ancestry as Population Descriptors in Genomics Research”:

<https://www.nationalacademies.org/our-work/use-of-race-ethnicity-and-ancestry-as-population-descriptors-in-genomics-research>

Link to “FAQs on Human Genomics Studies”:

<https://www.thehastingscenter.org/genomics-research-index/>

**Erik Parens, PhD**

Link to “The Art of Flourishing: Conversations on Disability”:

<https://www.thehastingscenter.org/diversity-equity-and-inclusion-at-the-hastings-center/the-art-of-flourishing-events-series-2/#:~:text=The%20Art%20of%20Flourishing:%20Conversations%20on%20Disability%20was%20a%20series,%E2%80%9Cflourishing%E2%80%9D%20means%20to%20them>

**Benjamin Neale, PhD**

Link to “Sick individuals and sick populations” (2001):

<https://academic.oup.com/ije/article/30/3/427/736897>



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Link to “The Human Genome, Volume 409 Issue 6822” (2001):

<https://www.nature.com/nature/volumes/409/issues/6822>

Link to “International HapMap Project”:

<https://www.genome.gov/10001688/international-hapmap-project>

Link to “Genome Wide Association Studies”:

<https://www.genome.gov/genetics-glossary/Genome-Wide-Association-Studies>

Link to “Next Generation Sequencing”:

<https://www.illumina.com/science/technology/next-generation-sequencing.html>

Link to “The great human expansion” (2012):

<https://www.pnas.org/doi/10.1073/pnas.1212380109>

Link to “Genes mirror geography within Europe” (2008):

<https://www.nature.com/articles/nature07331>

Link to “Mapping genomic loci implicates genes and synaptic biology in schizophrenia” (2022):

<https://www.nature.com/articles/s41586-022-04434-5>

Link to “Rare coding variants in ten genes confer substantial risk for schizophrenia” (2022):

<https://www.nature.com/articles/s41586-022-04556-w>

Link to “Polygenic prediction of educational attainment within and between families from genome-wide association analyses in 3 million individuals” (2022):

<https://www.nature.com/articles/s41588-022-01016-z>

Link to “Genome-wide analysis identifies molecular systems and 149 genetic loci associated with income” (2019): <https://www.nature.com/articles/s41467-019-13585-5>



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Link to “Large-scale GWAS reveals insights into the genetic architecture of same-sex sexual behavior” (2019): <https://www.science.org/doi/10.1126/science.aat7693>

Link to “Large-scale association analysis identifies new lung cancer susceptibility loci and heterogeneity in genetic susceptibility across histological subtypes” (2017):  
<https://www.nature.com/articles/ng.3892>

Link to “The *CHRNA5–A3–B4* Gene Cluster and Smoking: From Discovery to Therapeutics” (2016): <https://doi.org/10.1016/j.neuron.2016.08.001>