



ELSI FRIDAY FORUM

Session Title: Polygenic Risk Prediction in Diverse Populations and Contexts: Scientific and Ethical Considerations

Date and time: Friday, January 12, 2024 | 12pm ET US / 9am PT US

Moderator: Alham Saadat, MS

Presenter: Alicia Martin, PhD

Presenter: Malia Fullerton, DPhil

Biographies

Moderator: Alham Saadat, MS

Biography:

https://www.linkedin.com/in/alham-saadat-2081a61a2?original_referer=https%3A%2F%2Fwww.google.com%2F

Panelist: Alicia Martin, PhD

Biography: <https://www.broadinstitute.org/bios/alicia-martin>

Panelist: Malia Fullerton, DPhil

Biography: <https://depts.washington.edu/bhdept/stephanie-malia-fullerton-dphil>

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 “Patient Perspectives on Uncertainty in Genomic Medicine” curated by Colin Halverson, PhD, Assistant Professor of Medicine, Indiana University School of Medicine.

<https://elsihub.org/collection/patient-perspectives-uncertainty-genomic-medicine>



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Alicia Martin, PhD

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

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

Link to “Current clinical use of polygenic scores will risk exacerbating health disparities” (2019):

<https://www.ncbi.nlm.nih.gov/pmc/articles/pmid/30926966/>

Link to “We need more-diverse biobanks to improve behavioural genetics” (2023):

<https://www.nature.com/articles/s41562-023-01795-3>

Link to “Current clinical use of polygenic scores will risk exacerbating health disparities” (2019):

<https://www.ncbi.nlm.nih.gov/pmc/articles/pmid/30926966/>

Link to “Genomic Risk Prediction of Coronary Artery Disease in 480,000 Adults: Implications for Primary Prevention” (2018): <https://www.jacc.org/doi/abs/10.1016/j.jacc.2018.07.079>

Link to “Challenges and Opportunities for Developing More Generalizable Polygenic Risk Scores” (2022):

https://www.annualreviews.org/doi/10.1146/annurev-biodatasci-111721-074830?url_ver=Z39.88-2003&rfr_id=ori%3Arid%3Acrossref.org&rfr_dat=cr_pub++0pubmed

Malia Fullerton, DPhil

Link to eMERGE Network website: <https://emerge-network.org/>

Link to “Education and electronic medical records and genomics network, challenges, and lessons learned from a large-scale clinical trial using polygenic risk scores” (2023):

[https://www.gimjournal.org/article/S1098-3600\(23\)00919-X/fulltext](https://www.gimjournal.org/article/S1098-3600(23)00919-X/fulltext)



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Link to “Patient and provider perspectives on polygenic risk scores: implications for clinical reporting and utilization” (2022):

<https://genomemedicine.biomedcentral.com/articles/10.1186/s13073-022-01117-8>

Link to “Polygenic risk scores in the clinic: Translating risk into action” (2021):

<https://www.sciencedirect.com/science/article/pii/S2666247721000282>

Link to “Returning integrated genomic risk and clinical recommendations: The eMERGE study” (2023): [https://www.gimjournal.org/article/S1098-3600\(23\)00002-3/fulltext](https://www.gimjournal.org/article/S1098-3600(23)00002-3/fulltext)

Link to “Polygenic risk, population structure and ongoing difficulties with race in human genetics” (2022): <https://royalsocietypublishing.org/doi/10.1098/rstb.2020.0427>

Link to “Prevention or Delay of Type 2 Diabetes: *Standards of Medical Care in Diabetes—2021*” (2021):

https://diabetesjournals.org/care/article/44/Supplement_1/S34/30895/3-Prevention-or-Delay-of-Type-2-Diabetes-Standards