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PROJECT

How sensitive are DNA methylation clocks to
the strongest risk factors for mortality?

Webinar

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A common problem in research on risk factors for mortality is the potentially long duration of time between exposure and mortality. An approach for addressing this issue is the use of surrogate outcomes, which in the field of health and aging most often includes biological markers. This is a difficult problem, as surrogate outcomes need to be related to both exposures and outcomes. One emerging potentially important area for surrogate outcomes is using DNA methylation clocks. While associations with clinical endpoints and death are being established, there is little systematic work on the extent to which particular clocks are associated with different risk factors. In this ongoing work I will present results from a systematic examination of how 57 economic, behavioral, social and psychological risk factors are associated with 13 different DNA methylation clocks.



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