



CENTRE FOR BRAIN RESEARCH

An Autonomous Centre of the Indian Institute of Science, Bangalore.

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SHARWAREE GOKHALE MEMORIAL LECTURE

TRIANGULATION OF EVIDENCE IN AETIOLOGICAL EPIDEMIOLOGY: PRINCIPLES, PROSPECTS, LIMITATIONS



PROF GEORGE DAVEY SMITH

Director of the Integrative Epidemiology Unit at the University of Bristol, Bristol, UK

George Davey Smith is a clinical epidemiologist who has focused on methods for improving causal inference in studies of disease aetiology and disease prevention. His work has involved early implementation of 'negative controls' in epidemiological studies, the use of cross-context comparisons, sensitivity analyses, unobtrusive data collection methods, and randomized trials in thought-to-be difficult situations. He pioneered the use of germline genetic variants for investigating modifiable causes of disease ('Mendelian randomization'), developed several extensions of the basic method, and contributed to its application in many settings. He is an advocate of the pre-specified application of a range of methods, with different structures of potential biases, to the same question ('triangulation'), as the key approach to strengthening causal inference. Throughout his career, he has promoted increasing the accessibility of data and implemented this in studies he has led, including the Avon Longitudinal Study of Parents and their Children (ALSPAC).

About the lecture series

Ms. Sharwaree Gokhale was the first woman Collector of Mumbai City and retired as Additional Chief Secretary (Environment) after 36 years of distinguished administrative service. In an admirable gesture of payback and service to society, she made a generous donation to CBR to promote research in neuroscience. She passed away in January 2016; in her memory, CBR instituted a lecture series, of which this is the fifth.



Tuesday, December 05, 2023



4 to 5 pm, followed by high tea



Faculty Hall, Main Building, IISc

Please register at

<https://forms.office.com/r/0b8VXH2JN>

by **December 3, 2023**

