

Is Human-Artificial Intelligence in Suicide Research and Prevention a Capable Combination?

Invited lecture · Luke Balcombe

Dr. Luke Balcombe specializes in the field of digital mental health, focusing on the potential and limitations of digital tools for suicide research and prevention. His research also extends to the impact of social media on mental health. In addition, Dr. Balcombe has a keen interest in the mental health of athletes, exploring key aspects such as transitions, adaptation and resilience. His research also encompasses men's mental health and aims to address and understand the particular challenges faced by this population.

Abstract. This keynote presentation critically examines the intersection of generative Artificial Intelligence (GAI) in suicide research and prevention, highlighting the dual potential and significant ethical and legal challenges that currently impede its full utilization. It acknowledges GAI's capability to process vast datasets, thereby identifying risk factors and targeted intervention opportunities with unprecedented precision. However, the application of GAI in this sensitive domain is fraught with concerns regarding privacy, consent, and the potential for data misuse. Despite these challenges, the presentation posits that through rigorous regulation, transparent ethical guidelines, and extensive testing, some of the barriers to the effective use of GAI in suicide research and prevention can be surmounted. It suggests that a robust framework that incorporates data protection laws, ethical AI use standards, and continuous oversight through a human-artificial intelligence model could pave the way for responsible GAI deployment in this domain.