

# From Social-Media to Protein Networks: join our Cassyni webinar on algorithm based detection of diseases

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GigaScience Press is pleased to announce an [upcoming Cassyni webinar](#) on algorithm based detection of diseases using AI-based approaches taken from social media to protein networks. Hosted by *GigaScience* Editor in Chief Scott Edmunds and featuring a chance to ask questions, this free online webinar using the Cassyni platform will be on April 8th at 3pm UTC (4pm CET/ 11am ET).

protein networks Cassyni webinar

*GigaScience* author Dr. Michael Fire (The Fire AI Lab) and Prof. Esti Yeger-Lotem (National Institute for Biotechnology in the Negev) from Ben-Gurion University of the Negev have applied AI approaches to Social Media and bibliometric network analysis for many different applications. From fake identities in online social networks, to work [published in \*GigaScience\*](#) looking at publishing trends to predict outbreaks of coronaviruses and other emerging viral infections. As well as studying the [over-optimization of academic publishing metrics](#) (a particularly popular paper being covered in many places including Times Higher Education). These approaches at looking for anomalies and differences in social networks are now being applied in upcoming ([preprinted](#)) work presenting new algorithmic approaches to detect anomalous proteins in human tissues and disease. Dr's Fire and Yeger-Lotem will both present on their success using these network-approaches, and please come along and bring or post questions in advance for the Q&A at the end.

This is our [second webinar](#) on the Cassyni platform, and you [sign up](#) here to participate:

<https://cassyni.com/events/RfbzkzjvuLjxHYQb4AJdh7?yh30gdb>

If you can't make it on 8th April, from our series page you'll be able to watch the archival version afterwards (see our [previous webinar](#) on bioinformatics resources from The International Cannabis Genome Research Consortium). And watch this space for another [GigaScience Press Seminar Series](#) webinar to be called shortly.

### References:

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Kagan D, Jubran J, Yeger-Lotem E, and Fire M. Network-based anomaly detection algorithm reveals proteins with major roles in human tissues. *bioRxiv*. 2023. <https://doi.org/10.1101/2023.12.19.572354>