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TECHNION
Israel Institute
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*Cancer
Cure is
Born Here*



D. DAN AND BETTY KAHN
HUMAN HEALTH BUILDING

Host

Prof. Amir Orian
Rappaport Faculty of
Medicine

RTICC

SPECIAL GUEST SEMINAR

5th March
12:30-13:30



**4th Floor seminar Room, The Ruth and
Bruce Rappaport Faculty of Medicine**

"IT'S TIME TO REVOLUTIONIZE MEDICINE WITH SMARTWATCHES"

Abstract: Smartwatches provide a valuable tool for continuous health monitoring, offering insights into disease detection and patient well-being. In our large-scale clinical trial in Israel (2021–2024), we tracked 5,000+ participants over 2–3 years, collecting over 2 million days of smartwatch data, 800,000 self-reported questionnaires, and linked medical records. This dataset enables research on early infectious disease detection, vaccine safety, and PTSD monitoring, showing how physiological shifts can indicate health changes before symptoms appear. I will also discuss how these methods may contribute to cancer research, particularly in tracking patient responses during treatment. Our findings highlight the potential of wearable technology in advancing personalized and preventive healthcare.