

# TERA Monthly Seminar in Medical AI

## Planning

**Wednesday 31.5**

 Green Hall, Technion  
 Faculty of Medicine

**14:00 - 14:30:** Yair Lewis, MD, PhD

**14:30 - 15:00:** Refreshments & Networking

**15:00 - 15:30:** Maayan Ben Sasson, MD & Hillel Taub-Tabib

## Session 1: Building a Startup with Purpose: Navina's Journey in Bringing AI to Primary Care

Navina is an AI-powered platform that reads and interprets complex data from multiple sources, to provide contextual insights for primary doctors at the moment of care. Navina's journey in building a machine learning-based platform for primary care highlights the intricate balance between clinical value, and organizational objectives, within the context of value-based care. The lecture discusses challenges and solutions, focusing on the iterative process of developing a clinician-first product.



**Yair Lewis, MD, PhD**  
 Chief Medical Officer  
 @Navina



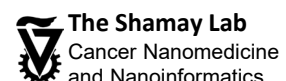
**Maayan Ben Sasson, MD**  
 Attending Physician  
 @RAMBAM

## Session 2: Introducing Clinical Queries: A Novel Web Tool Leveraging Text Mining to Enhance Medical Diagnosis

Identifying the cause of a disease at the core of medical diagnostics. When considering possible etiologies for a symptom, clinicians may consult books, review papers or paid summarization services, but these will often neglect to incorporate the very latest findings or the less common ones. Previous attempts to address these issues with automated text mining, were based on small subsets of the data (*e.g.* specific diseases or symptoms), or involved complex NLP pipelines whose operation required substantial expertise. To enable available resources which can be used in practice by the scientific community, we have developed a search interface that is based on up to date collection of PubMed abstracts and a tailored set of syntactic patterns. We show that using the tool, we can reliably extract symptom etiologies with high performance, interactively and at scale, up to date and with more comprehensive coverage than existing resources.



**Hillel Taub-Tabib,**  
 Research Engineer  
 @Allen Institute for AI



[Click to confirm your participation](#) (limited places)

The seminar will be delivered in English

Contact us: [tera@technion.ac.il](mailto:tera@technion.ac.il) - [website](#)