



International Summit on

AI-Supported Diagnostics and Decision-making in Breast Cancer

**within the framework of the “Twinning agreement”
between the National Institute of Oncology (NIO), Budapest
and the Karolinska Institutet (KI), Stockholm**

23 April 2026

Venue:

**National Institute of Oncology, Surgical Hall, Building 3. Ground floor
Ráth György str. 7-9., 1122 Budapest, Hungary**

Organizer from National Institute of Oncology

Dr. A. Marcell Szász, Strategic Advisor

Organizer from Karolinska University Hospital and Karolinska Institutet

Dr. Balázs Ács - Associate Professor

Conference available both in-person and online.

**Link for online streaming via Zoom will be available
for registered participants only.**

For in-person visit please contact Liselotte Bäckdahl.

Registration before:

Registration form:

[AI-Supported Diagnostics and Decision-making in Breast Cancer @ NIO, Budapest](#)





Program 23 of April 2026, Thursday (PUBLIC PROGRAM, HYBRID)

08:30 – 09:00 **Registration**

09:00 – 09:10 **Welcome note**

Prof. Dr. Magdolna, Dank, NIO
Prof. Dr. Elias Arnér, KI

Session 1 Swedish Excellence in AI-Driven Breast Cancer Diagnostics

Opening Lecture

09:10 – 09:40 Thirty Years of Evolution in Adjuvant Treatment Decision-Making in
Oncology
Dr. A.M. Szász, NIO

Keynote Lecture

09:40 – 10:15 Stratipath Breast – Replacing genomic tests by AI-driven precision
pathology - ONLINE REMOTE PRESENTATION
Prof. J. Hartman, KI

10:15 – 10:50 Computational Breast Pathology and AI-Enhanced Diagnostics
Dr. B. Ács, KI

10:50 – 11:25 AI in oncology (to be updated)
Dr. N. Mészáros, NIO

11:25 – 12:00 Prospective Clinical Use of AI in Breast Cancer Oncology - ONLINE
REMOTE PRESENTATION
Dr. A. Valachis, Örebro University Hospital, Sweden

12:00 – 13:00 Lunch Break



Session 2 **Moderated Case-Based Discussion**

13:00 – 14:00 **Virtual Roundtable: Real-World Clinical Decision Pathways Using Digital Pathology + AI**

Moderated panel discussion, participating:

Dr. B. Ács, KI

Dr. A. Valachis, Örebro University Hospital, Sweden

Dr. N. Mészáros, NIO

moderator: Dr. A.M. Szász, NIO

14:00 – 14:20 Coffee Break

Session 3 **Computational Pathology Beyond Breast Cancer**

14:20 – 14:50 **AI supported Digital Pathology Solutions in Evaluation of PD-L1 Expression in Lung Cancer (tbc)**

Dr. L. Báthory-Fülöp, NIO

14:50 – 15:20 **AI in oncologic radiology and in breast cancer diagnostics**

Dr. A. Tárnoki, Dr. D. Tárnoki, NIO

Session 4 **Molecular Decision Support and Insights into Tumor Biology**

15:20 – 15:50 **Molecular Precision Medicine Oncology - ONLINE REMOTE PRESENTATION**

Prof. J. Hartman, KI

15:50 - 16:20 **AI-Enhanced Spatial Transcriptomics and Multi-Omics Integration: Decoding Intratumoral Heterogeneity in Breast Cancer**

Dr. X. Chen, KI

Closing Summary of Day 1

16:20 – 16:30 **Closing Summary of Day 1**

Dr. T. Mátrai, NIO