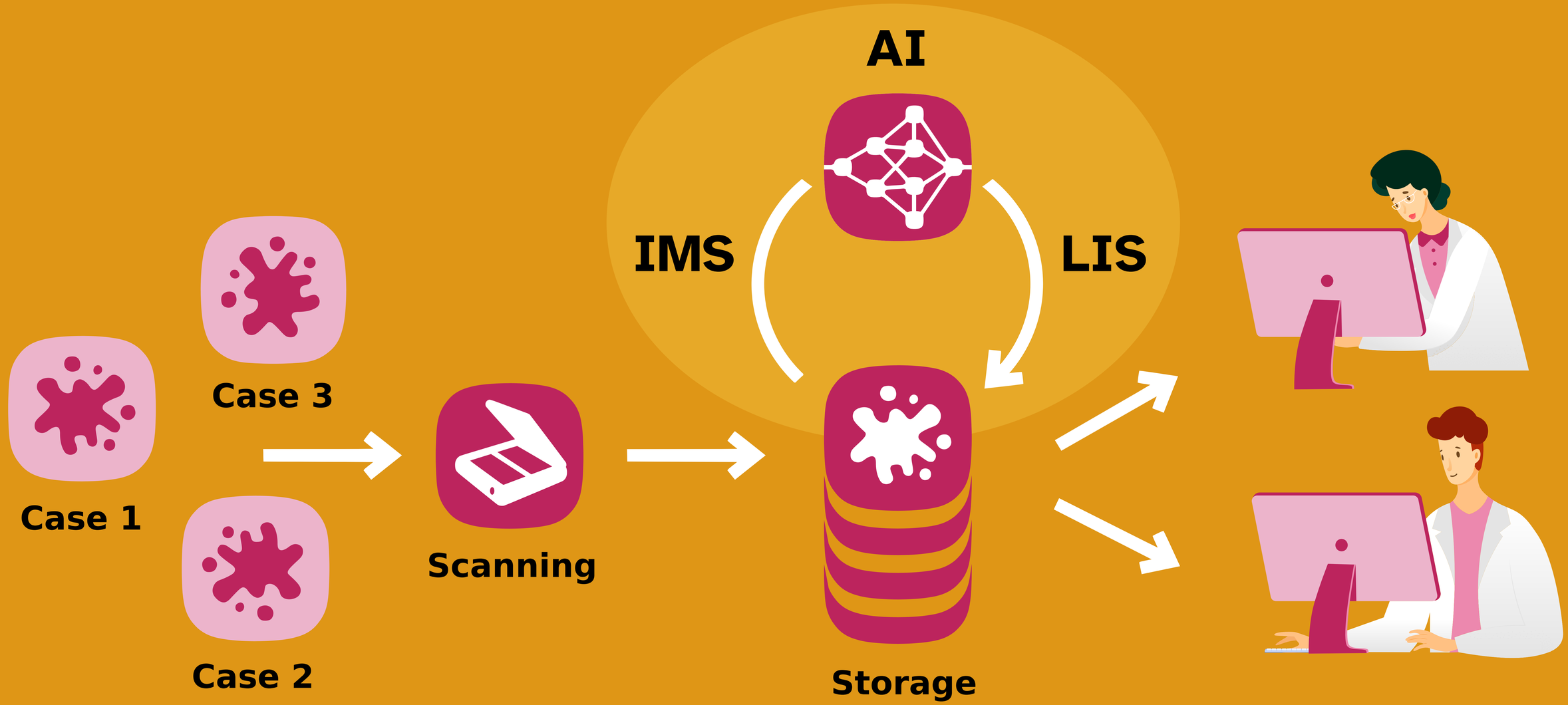
RationAI

# AI Assisted
## Digital Pathology

**Tomáš Brázdil**

founder

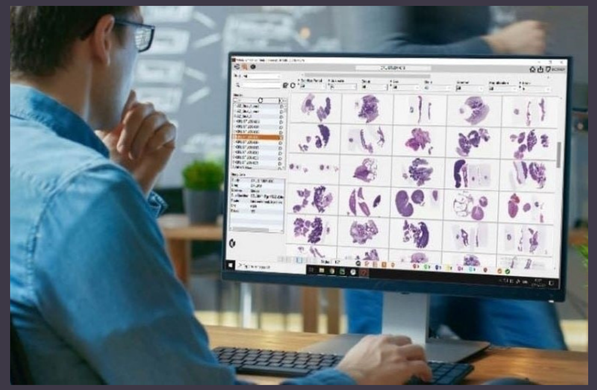
# RationAI | Our Position in Digital Pathology



# RationAI

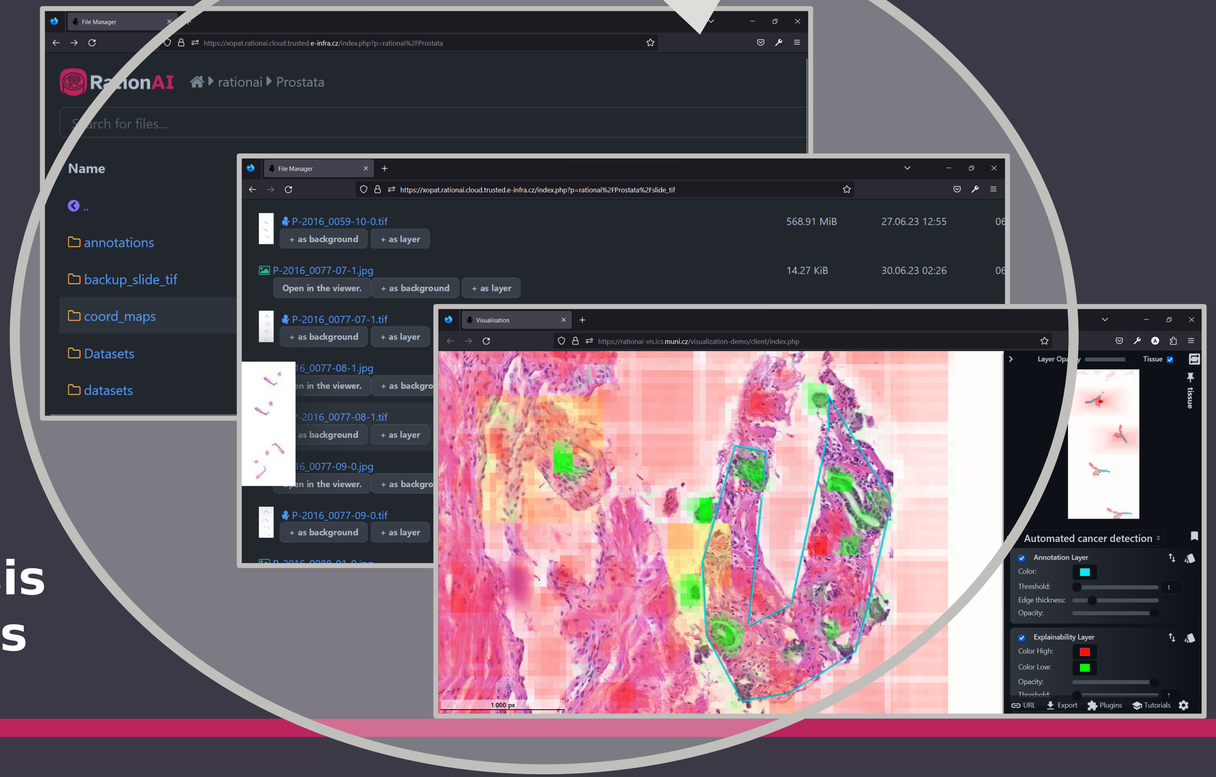
# Prostate Cancer Detector

Deployed at Masaryk Memorial Cancer Institute

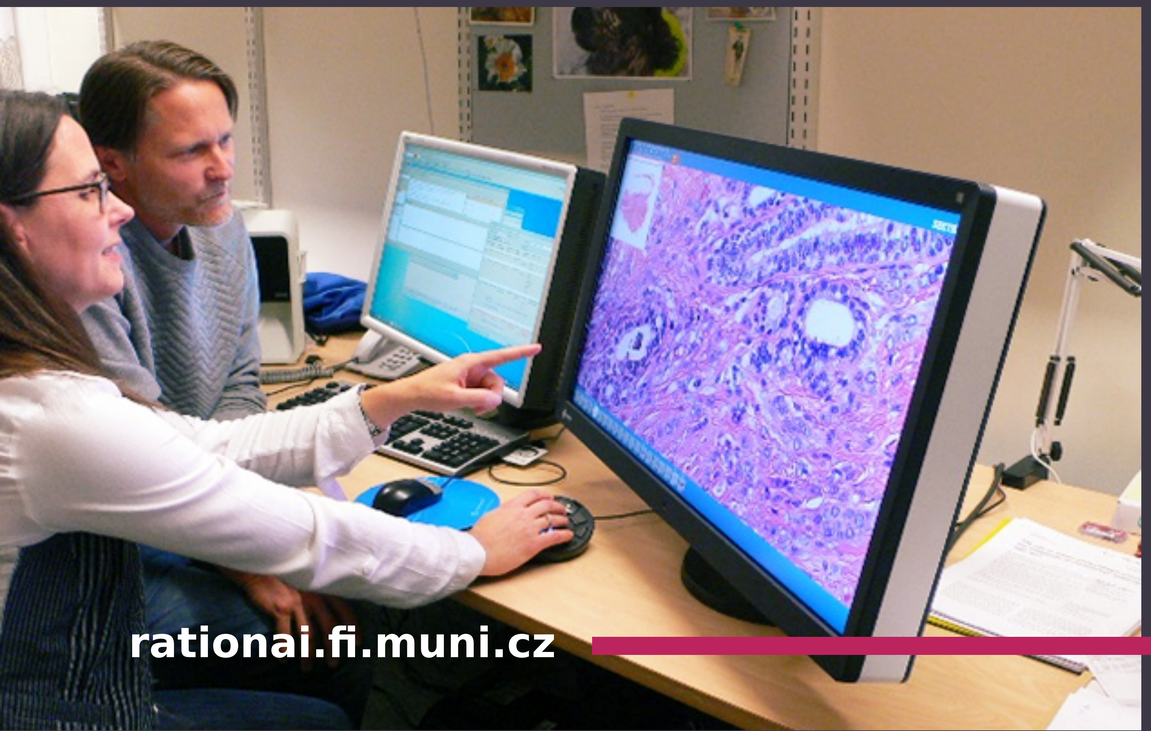


**WSI upload**

**AI processing**




**Analysis results**

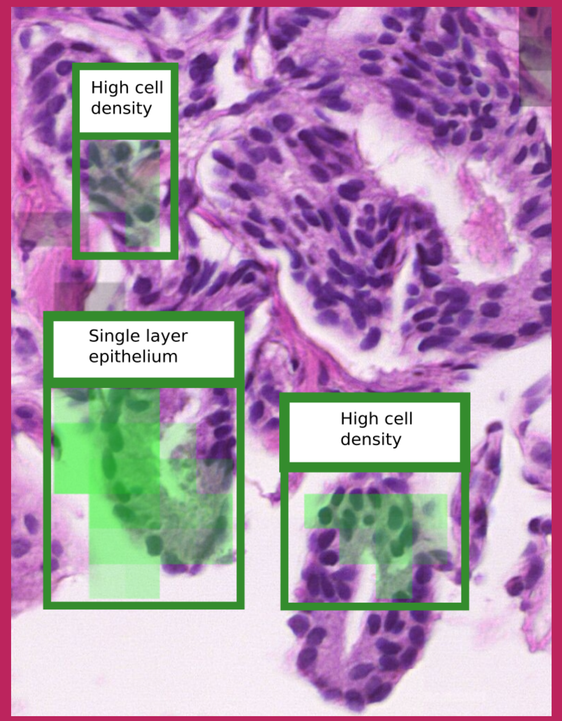


rationai.fi.muni.cz

# RationAI | Notable Features

## ■ Explainable

Model agnostic **explainable AI**
Mapping to **biological features**




## ■ Flexible

**Rapid development & deployment**
Prostate cancer detector deployed at MMCI

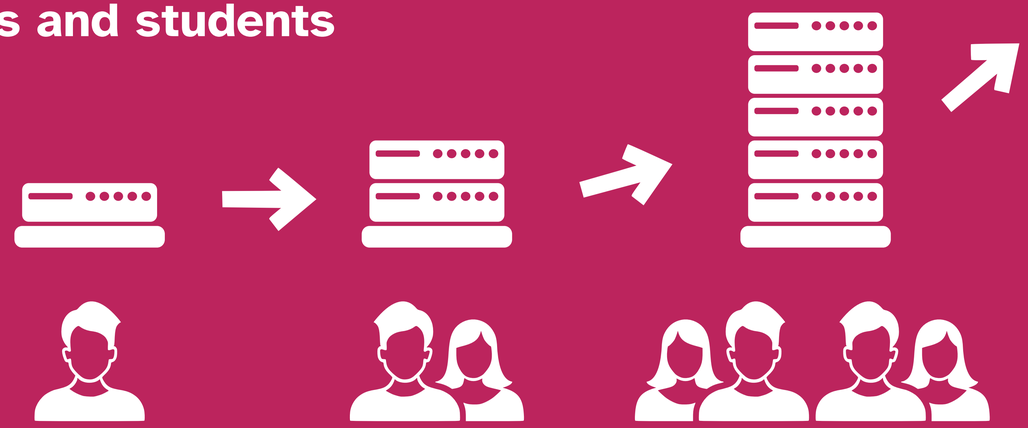
**Efficient training pipelines**
Developed specifically for digital pathology

Large pool of **AI experts and students** at FI MUNI

## ■ Fast and Scalable

**Experts and students**
in big data and cloud infrastructures

Backed by **National Cloud eInfrastructure**



# RationAI

- Research group in **AI assisted digital pathology**
- Approx. 20 team members at
  - **Masaryk University**
    Computer science, powerful **computing facilities,** limitless supply of **talented interns**
  - **Masaryk Memorial Cancer Institute**
    National Oncology Center, **top oncology** in Czech republic
- Collaborating with **Medical University Graz**
  Large pathology department, **huge biobank**

MUNI

Masarykův onkologický ústav

Med Uni Graz