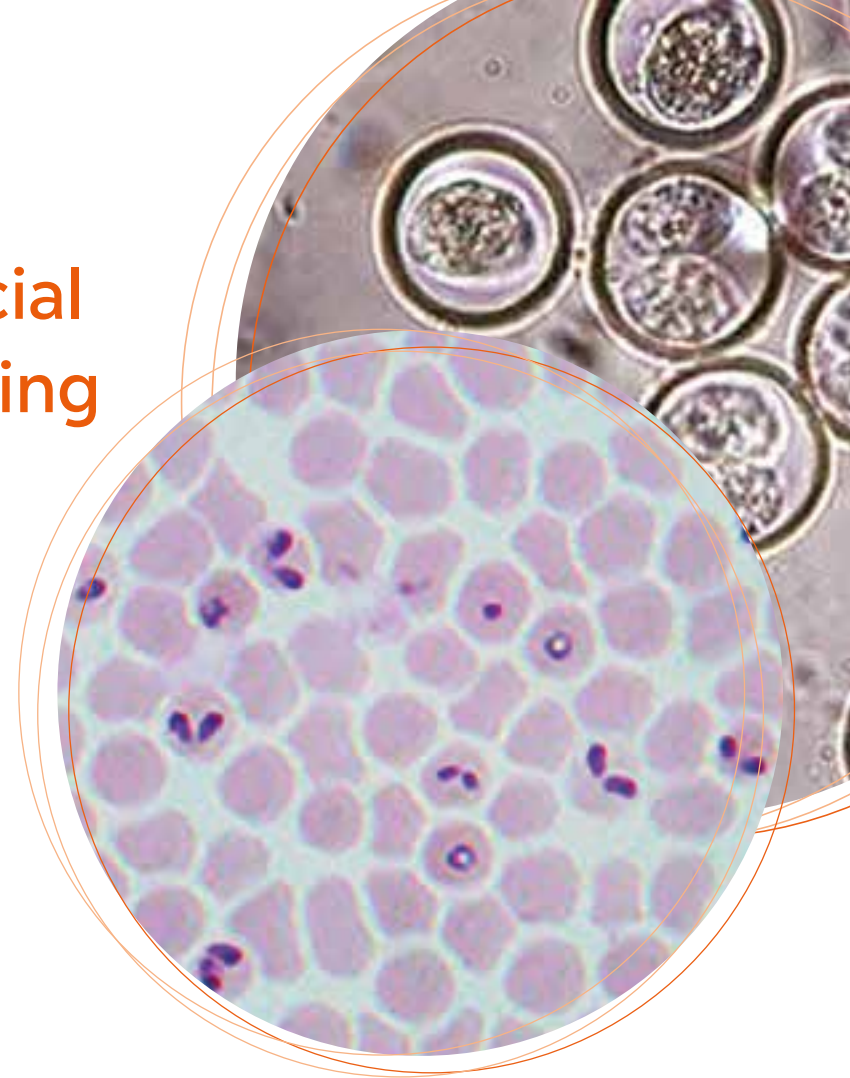# CAISSS

Customized Artificial Intelligence Scanning Software Solution

Collect data and train your own detection system

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Flexible software

Today AI is present practically all aspect of life and the economy. However, an average user is not able to customize it for his own purposes, it requires serious programming skills. Our software enables the users with basic computer skills to utilize AI technology for image detection. By following few steps we can easily make the software learn to detect specific images. Its application ranges from detection of biological pathogens, such as microfilariae, Babesia, bacteria or isospora oocyst to industrial usage as for detection of asbestos fibre, production error, or to scientific purposes as detecting cytopathogenic effect.

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Five easy steps to identify the object you want to detect with our AI software

**1.** **Take multiple images of the object you would like to detect**

It can be practically anything, here are some examples:
- bacteria (e.g. Lawsonia intracellularis or Clostridium)
- fungus (e.g. Cyniclomyces guttulatus)
- parasite (e.g. Demodex or Isospora)
- cell parasite (e.g. Babesia)
- cell (e.g. lymphoblast)
- cell level lesion (e.g. cytopathogenic effect)
- chemical substance (e.g. asbestos)
- industrial defects (e.g. incorrectly assembled parts)

2. **Annotate the images**
Select the image area where the object you want to identify can be found. You can use either our CAISSS software or any other annotation software (e.g. LabelImage).
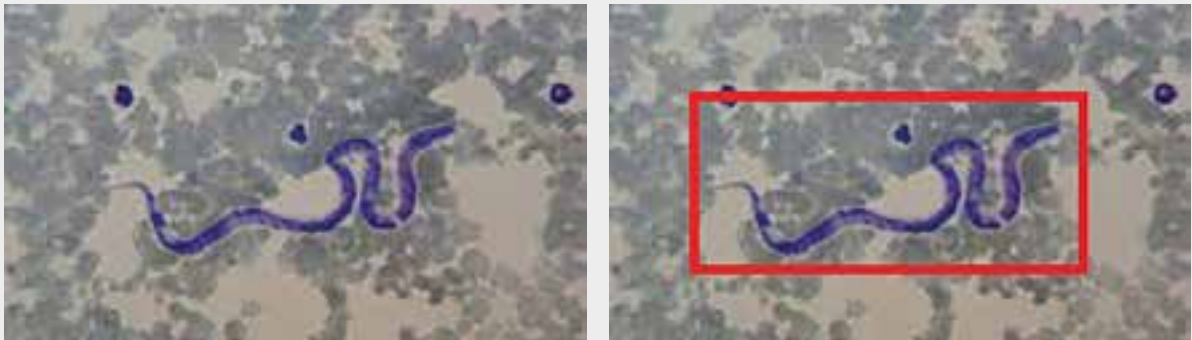
3. **Upload the images to aiscan.hu**
The annotated images should be uploaded to the homepage of the AI Scan (www.aiscan.hu)

4. **Machine learning starts with just one click**
Training on the uploaded, annotated images can be initiated with one click. No special computer knowledge or programming skills are required.

5. **You receive the results**
After finishing the training process, the system is capable to find the desired object and prepare annotated results.

https://aiscan.hu