

STRONG FUNCTIONALITY

- Segmentation
- Image processing
- Visualization
- Image fusion
- Kinetic Modelling, Dosimetry
- Atlas-based workflows
- Quantification

ANY MODALITY

- CT, MRI, PET, SPECT, FRI, BLI, MPI, US, ...
- Compatible with all vendors
- 20+ File formats: DICOM, Nifti, ...
- Multimodal 2D, 3D, 4D, 5D Data

EASY TO LEARN

- Be productive in a day
- 50+ Tutorial videos
- 20+ Example data sets
- 20+ White papers

FAST INTERACTIVE WORKFLOW

- Uses available NVIDIA GPU
- Fast 2D and 3D rendering
- Support for large data sets

WORLD-WIDE ACCESS

- Windows, MacOS, Cloud
- PC or Laptop
- Support via E-Mail & Zoom

ACHIEVEMENTS

- 100+ Publications
- 50+ Installations (pharma and academia)
- Extensible via Python

Contact



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🌐 <https://www.gremse-it.com>

▶ Imanytics Preclinical (YouTube)

🌐 <https://www.linkedin.com/company/gremse-it/>



Imalytics Preclinical

Software for
biomedical image analysis

by

Gremse-IT



Purpose

Imalytics Preclinical is a software for **fast** interactive segmentation, reconstruction, 3D visualization, and analysis of voxel based biomedical image data sets with a **user-friendly** interface. Support of 3D, 4D, and 5D image data from any modality with common file formats. It has been used to analyze single-modal and **multimodal** data sets from CT, PET, SPECT, MRI, US, FLT, and BLT.

Licensing

PER DEVICE

- Local installation on your PC
- Windows and MacOS (NVIDIA GPU)
- Unlimited local users
- Annual or perpetual license

PER USER

- Cloud solution (Microsoft Azure)
- Access to powerful PC
- Windows, MacOS or Linux client
- Annual license
- Access to your cloud storage

ANNUAL

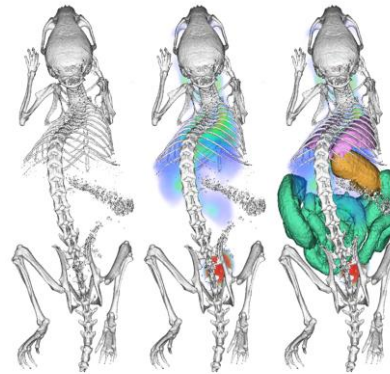
- One or multiple licences incl. support
- Multiple licenses with discount

PERPETUAL

- License incl. one year support

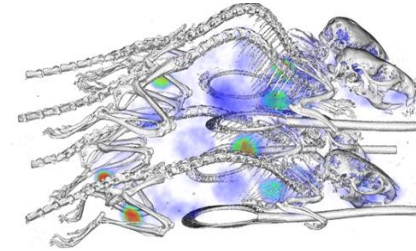
Example Applications with Imalytics Preclinical

SIGNAL QUANTIFICATION



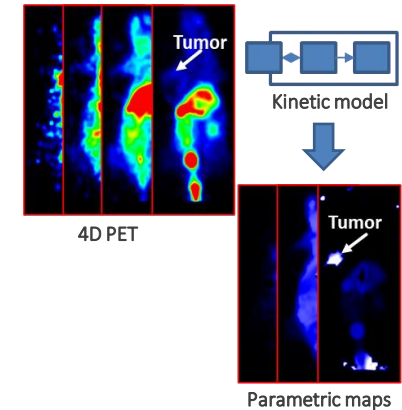
CT-based organ segmentation allows quantification of PET signals in organs of interest such as the urinary bladder, gut, lung, stomach, tumor or metastases.

HIGH THROUGHPUT IMAGING



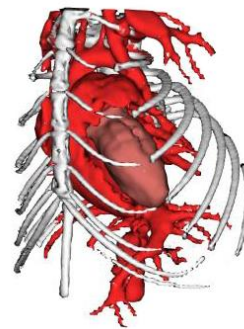
Quickly crop, convert, and analyze large amounts of data acquired with multi-mouse-beds for high-throughput settings. Don't let your data wait any longer.

KINETIC MODELING



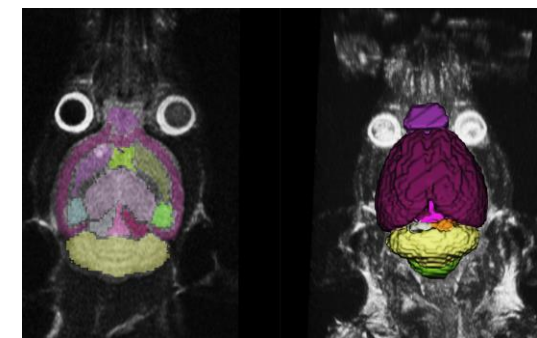
4D PET acquisition captures dynamic tracer accumulation in organs and tumors. Hyperintense tumor in the parametric map due to the irreversible accumulation.

CARDIAC IMAGING



CT and MRI image-based assessment of the vascular system, such as changes in the blood vessels or calculation of the left ventricular ejection fraction.

BRAIN IMAGING



MRI data can be segmented with a brain atlas. Fusion with PET is possible, as well as relaxometry and PDF fat quantification.