

TURN-KEY IMAGING and IMAGE ANALYSIS SOLUTIONS

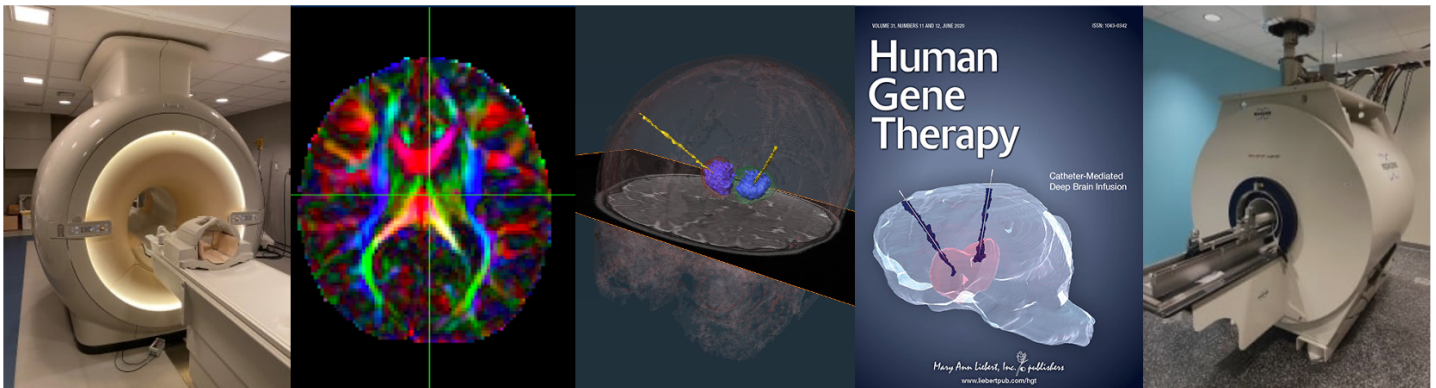
Are you doing human and/or animal research?

MRI can help you as a non-invasive low-cost alternative to expensive pathology. The Advanced MRI Core (**AMRIC**) in the basement of the UMass Chan Medical School houses 2 state-of-the-art MRI scanners:

- **Philips Ingenia whole body 3.0T MRI system** for humans and large animals
- **Bruker 7.0T MRI system** for small animal studies

AMRIC scan fees are highly competitive in the area. Scheduling is online with 15-minute granularity. All scans will be carried out by Dr. Shaokuan Zheng, a trained MRI physicist or other AMRIC staff at no extra cost. Our staff can also help you design protocols, acquire, and process MRI data.

Image processing and analysis core (**iPAC**) provides image analysis services to help develop imaging biomarkers with different imaging modalities. We have a suite of tools covering a wide range of modalities as well state-of-the-art GPU powered processors for deep learning-based solutions.



Images left to right: 3T Philips MRI scanner, DTI image from a 6-month infant, Gene therapy for Tay-Sachs on a human subject with thalamus visualized, sheep brain with gene vectors injected in the thalamus, 7T Bruker small animal scanner.

For more details and to arrange a walk-through/demo of the facilities, please contact:

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iPAC
<https://www.umassmed.edu/research/cores/ipac/>

AMRIC
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