

**UT Southwestern**  
Medical Center™  
CTSA Program

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Advanced Imaging Research  
Center (AIRC)

## **Advanced Imaging Research Center – Human MRI Core (HMRIC) Facility**

**Introduction:** Located in the Bill & Rita Clements Imaging Building on the UTSW North Campus, the Advanced Imaging Research Center HMRIC facility offers dedicated research MRI services to a variety of researchers in the Dallas area, including, but not limited to, UT Southwestern, UT Dallas, UT Arlington, Texas Health Resources, and Children’s Medical Center Dallas.

**Purpose:** The primary mission of the Advanced Imaging Research Center is to advance MR technology for the basic understanding and treatment of a wide range of human diseases. Utilizing high quality research data, higher field strengths, advanced imaging techniques, faster gradients, improved coil technology, and more robust sequence protocols, world-renowned experts assist researchers to advance diagnostic and treatment protocols from research to the clinical setting.

**Major Equipment:** 3T Siemens Prisma MR system (“3TA”), 3T Philips Achieva MR system (“3TB”), 3T GE Discovery 750w MR system (“3TC”), 7T Philips Achieva MR system, and a GE 5T SPINlab Clinical Polarizer

**Services:** The HMRIC facility provides technical (i.e., data acquisition/analysis, protocol development) and nursing support to whole-body 3T and 7T MRI scanners. Training undergraduate and graduate students to lead imaging research in the future is also a high priority.

**Hours of Operation:** HMRIC research scanners are available Monday through Friday during regular business hours.

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**For More Information:** <https://www.utsouthwestern.edu/education/medical-school/departments/airc/airc-facilities/7t-human-scanning/start-a-3t-or-7t-project.html> (or: <https://tinyurl.com/2h8j75wr>)

### Get Started:

- Discuss your **3T research idea** with [Binu Thomas, Ph.D.](#)



- Discuss your **7T research idea** with [Anke Henning, Ph.D.](#)



### Regulatory Requirements:

- Submit your project to the UT Southwestern [Institutional Review Board](#) (IRB)



- Download the [AIRC Application for Research with Humans for New 3T or 7T Service Projects](#) and submit to the Advanced Imaging Research Center HMRIC Protocol Review Committee



and submit to the Advanced

- Please submit the application to the PRC Administrator, [Jeannie Baxter](#)



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### MR Specific Training and AIRC Orientation:

- Ensure that all research team members have applicable training for their work in the AIRC, including onsite MR Safety Training and AIRC HMRIC Orientation.
- Contact [Leticia Lopez](#) for more information.



### Scheduling and Billing in iLab:

- All scheduling and billing is performed within the iLab Operations Software.
- Principal Investigators must add new researchers to their iLab account and provide access to the applicable UTSW Chart of Accounts for each reservation.

**Human MRI Core Contact:** Jeannie Baxter, RN, Core Manager; Binu Thomas, PhD, Assistant Professor; Anke Henning, PhD, Director