**UMass Human MR Center**

**Research Study Requests**

The Human Magnetic Resonance Center (hMRC) offers four different levels of scan services to accommodate studies. subsidized use of the MR instrument and facilities for the purposes of demonstrating study feasibility or generating pilot data for a large grant application. Two types of subsidies are being offered for a limited period of time, (feasibility and pilot studies).

**Feasibility Study:** to demonstrate that a proposed study can be done at this facility.  This may be for demonstrating feasibility in a grant or to be sure that the protocol is ready for your grant-funded work to begin.    
Subsidy: The HMRC will cover the full cost for approved and prioritized feasibility studies.  
Quantity: limited to 1-2 scans unless errors are detected on initial scans, in which case, scans will continue until the physicist agrees that scans are free of instrument-related errors.

**Pilot Study:** to demonstrate an effect or support for a hypothesis, for the purpose of a grant application.   
Cost: The hMRC will provide a number of grants that cover 80% of the hourly rate ($440/hr). The user is expected to pay the remaining $110/hr.  
Quantity: Maximum of 10 scan hours unless otherwise approved by hMRC Interim Co-Directors.

**Regular Study**: to obtain research data in correlation with an approved IRB protocol.

Cost: Scans performed at hMRC a charged at a rate of $550/hr.

Quantity: This will vary per study and needs to be indicated on the application form.

**Eligibility**:

* The PI must be a faculty member at the University of Massachusetts or the Five Colleges (Hampshire, Amherst, Mt Holyoke, or Smith College).
* Data must be collected for the purposes of a grant or industry proposal that will be submitted within 6 months of data collection, and the proposal must include hMRC use (e.g., MR fees, physicist effort) in the budget.
* IRB approval must be obtained prior to pilot and regular studies, attach a copy with submission
* Educational, Feasibility and Pilot Studies must be completed within 6 months of approval.

**Application:** To apply, complete the following page and submit it to Jacquie Kurland ([jkurland@comdis.umass.edu](mailto:rspencer@umass.edu)). Applications will be reviewed by the Human MR Steering Committee within 4 weeks of submission.

**UMass Human MR Center**

**Application for Research Study**

**Application Date:**

**Project title:**

**Principal Investigator (PI must be a faculty member):**

**IRB:**

**This is a: 🞏 Educational study 🞏 Feasibility study**

**🞏 Pilot study 🞏 Regular study**

**Brief description, including MR protocol (maximum of 150 words):**

**\*Pilot Studies: Plan for applying for future funding (be specific, include date of application, agency, funding mechanism, etc.):**

**Number of scan hours requested per subject:**

**Number of subjects:**

**Total number of scan hours requested:**

**Funding Source: Speed Type:**

**Requested physicist (check one):**

* + Rajakumar Nagarajan, PhD (spectroscopy, body imaging)

**Planned start date: Anticipated end date:**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**This portion for internal use only**

**Approval date (hMRC to indicate):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Scan Rate:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Scan hours: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Approved by:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**