

# Resource Summary Report

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## Southwestern NMR Center for In Vivo Metabolism

RRID:SCR\_001429

Type: Tool

### Proper Citation

Southwestern NMR Center for In Vivo Metabolism (RRID:SCR\_001429)

### Resource Information

**URL:** <http://www.utsouthwestern.edu/education/medical-school/departments/airc/southwestern-nmr-center/index.html>

**Proper Citation:** Southwestern NMR Center for In Vivo Metabolism (RRID:SCR\_001429)

**Description:** Biomedical technology research center that develops and applies new methods for analysis of metabolic networks in intact tissues, animals and human patients. The importance of understanding abnormal metabolism in common diseases such as cancer, diabetes and heart disease has long been appreciated. Because of constraints in technology, however, much of this research has been conducted in isolated systems where clinical relevance may be uncertain. Progress in magnetic resonance technology provides a foundation for major advances towards new ways of imaging metabolism in patients. These new techniques offer the advantage of imaging biochemical pathways without radiation. The focus of this Resource is to bring these technologies to a level where clinical research is feasible through the development of new MR contrast agents, NMR spectroscopy at high fields, and imaging of hyperpolarized  $^{13}\text{C}$ .

**Abbreviations:** Southwestern NMR Center

**Synonyms:** Southwestern NMR Center for in vivo Metabolism - NIBIB

**Resource Type:** biomedical technology research center, training resource

**Keywords:** metabolic network, tissue, imaging, metabolism, nuclear magnetic resonance, magnetic resonance, nuclear magnetic resonance spectroscopy

**Related Condition:** Cancer, Diabetes, Heart disease

**Funding:** NIBIB 5P41EB015908-28

**Availability:** Free, Freely Available

**Resource Name:** Southwestern NMR Center for In Vivo Metabolism

**Resource ID:** SCR\_001429

**Alternate IDs:** nlx\_152653

**Record Creation Time:** 20220129T080207+0000

**Record Last Update:** 20260821T042523+0000

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## Ratings and Alerts

No rating or validation information has been found for Southwestern NMR Center for In Vivo Metabolism.

No alerts have been found for Southwestern NMR Center for In Vivo Metabolism.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [T1D](#).

Sivaskandarajah GA, et al. (2012) Vegfa protects the glomerular microvasculature in diabetes. Diabetes, 61(11), 2958.