

Contact: Patrice Sayre

**UNIVERSITY OF IOWA EQUIPMENT PURCHASE**

**Action Requested:** Consider approval for the University of Iowa to purchase a Siemens Inveon MultiModality Small Animal Imaging System (Siemens IMSAIS).

**Executive Summary:** The University of Iowa requests approval to proceed with the purchase of a Siemens IMSAIS.

**Description of Equipment**

The Siemens IMSAIS will:

- ◆ Be the central piece of imaging equipment for the University of Iowa's Small Animal Imaging Core (SAIC) facility;
- ◆ Support the small animal research imaging needs of the entire campus in the area of Positron Emission Tomography (PET), Single Photon Emission Computed Tomography (SPECT), and X-Ray Computed Tomography (CT) imaging;
- ◆ Allow for the in vivo imaging of the biochemistry of diseases such as cancer, heart disease, inflammation, and neurological disorders non-invasively in animal models using PET and SPECT, while also being able to image corresponding anatomy at resolutions down to 30 microns with the CT device;
- ◆ Support the imaging needs of the Carver College of Medicine and anticipated collaborations with the Departments of Chemistry, Physics, and Biomedical Engineering; and
- ◆ Be located in the SAIC laboratory facility on the ground floor of the Medical Laboratories Building.

**Justification of Need for Equipment**

The Siemens IMSAIS is a critical instrument for scientific translational research. The addition of these imaging resources represents a significant leap in translational science (bench to bedside) capabilities, and provides imaging capabilities not currently available at the University of Iowa. Use of the equipment will be open to all University researchers.

**Any Known Alternatives to the Equipment Proposed**

The University reports that UIHC has standardized on Siemens equipment due to the advantages gained in equipment pricing, maintenance, and training.

**Estimated Cost and Source of Funding**

The cost for the new Siemens IMSAIS is \$1,511,268. Pricing is based on the Strategic Alliance Purchasing Agreement between Siemens Medical Solutions USA, Inc. and the University of Iowa. The source of funding is a federal grant.

**Board Policy:** Chapter 7.06B(12) of the Regent Policy Manual requires that:

- ◆ Equipment costing more than \$1,000,000 must be submitted to the Board for approval; and
- ◆ Requests submitted to the Board Office for approval must include the following information:
  - ◆ Description of the equipment;
  - ◆ Justification of the need for the equipment;
  - ◆ Any known alternatives to the equipment proposed; and
  - ◆ Estimated cost and source of funding.