Jefferson Awarded More Than $34 Million in Stimulus Grant Funding from U.S. Government

Thomas Jefferson University has been awarded 48 grants totaling well over $34 million through provisions in the American Recovery and Reinvestment Act (ARRA) of 2009. This federal stimulus package was designed to encourage investigators to explore innovative ideas to advance scientific and medical knowledge and speed the translation of research into improved patient health.

“Through an extremely competitive process, our researchers have had tremendous success in procuring these funds—equaling or outperforming our peer institutions,” said Robert Barchi, MD, PhD, President, Thomas Jefferson University. “We are very proud of this achievement. And with more applications in the pipeline, Jefferson expects to exceed $39 million in stimulus grant funding.”

ARRA provided the National Institutes of Health and the National Science Foundation with $12.4 billion in additional money to underwrite these stimulus grants. In addition to advancing scientific knowledge, these awards contribute to the economic activity in the Delaware Valley and help generate jobs at Jefferson— as the University hires personnel, invests in facility upgrades and purchases supplies.

Among the grants is a two-year facility grant in the amount of $6,651,849, which will support the modernization of Jefferson Alumni Hall 3 West Lab. The renovations will enable the University to provide open interaction space, shared equipment zones and common resource spaces. This redesigned space will allow for the recruitment of additional faculty and triple the space available for scientific staff. Successful completion of the project will improve scientific productivity, generate an increase in employed scientific staff and improve resource utilization in an environmentally responsible way. For more than 185 years, Thomas Jefferson University has played a significant role in educating the health-care leaders of tomorrow and leading the way in scientific discoveries such as the heart-lung machine, the first artificial tendon, and the existence of a hormone that controls red blood cell production.

“Today, Jefferson’s outstanding researchers uphold this rich legacy of scientific inquiry and discovery by continuing to advance the frontiers of knowledge and innovation,” said Dr. Barchi.

Patients at Community Hospitals Get Fast Treatment of Neurovascular Diseases via Jefferson Teleconsulting System

“Time is brain” is the credo among healthcare professionals for diagnosing and treating time-sensitive neurovascular diseases, including arteriovenous malformations (AVMs), brain aneurysms and, especially, stroke—the third-leading cause of death in the United States and the leading cause of disability. The blood-clot busting medication tissue plasminogen activator (tPA), for example, must be administered to a patient having a stroke within 4.5 hours for best chance of functional recovery. Timely performance of neurosurgical procedures to remove AVMs and aneurysms are similarly urgent. Yet many community hospitals have limited experienced staff and technology to diagnose and treat patients quickly and accurately.

Now, to provide sophisticated care and expertise to patients at hospital emergency rooms in small community hospitals in distant areas of eastern Pennsylvania, southern and central New Jersey, and Delaware, Jefferson Hospital for Neuroscience (JHN) has launched Jefferson Expert Teleconsulting (JET), the region’s first university-based high-tech mobile robotic system for neuroscience.

“JET places all of our resources—among them, dual-trained neurosurgeons, advanced technology and leading-edge clinical trials in which we partner with the National Institutes of Health—at the disposal of patients, their families and physicians in need,” says Robert H. Rosenwasser, MD, FACS, Professor and Chair, Department of Neurological Surgery, JHN, and Jefferson Medical College of Thomas Jefferson University. “Its greatest value is for timely diagnosis and application of treatment for time-sensitive neurovascular diseases, especially stroke.”

Enhancing Level of Care

“We want to partner with hospitals in other communities to help advance stroke care throughout the region. As the leading stroke-care provider in the area we have an obligation to do that,” adds Pamela Kobl, Vice President, Neuroscience Service, JHN. JHN is the region’s only dedicated hospital for neuroscience and leading, most experienced and comprehensive center for diagnosis and treatment of stroke and cerebrovascular disease.

JHN’s Acute Stroke Center is the largest such facility, with more board-certified neurocritical care physicians than most, in the greater Delaware Valley. It is also a Joint Commission-accredited primary stroke center.

How JET Works

Each participating hospital is supplied with a mobile robotic platform, manufactured by InTouch Health, that enables the JHN Network physician to be remotely present. JET’s panoramic visualization system and easy-to-use control interface afford physicians, patients and hospital staff a safe and effective interactive experience. InTouch’s remote presence devices are the first and only with FDA approval. The robots allow direct connection to medical devices such as electronic stethoscopes, otoscopes and ultrasound to transmit medical data to the remote physician.

continues on page 2

Jefferson Vascular Center Offers Integrated Approach to Variety of Vascular Issues

Jefferson Oral Surgeons in Outpatient Rehabilitation and Stroke Specialty Programs Receive CARF Accreditation

Philadelphia Magazine Lists Jefferson Oral Surgeons in “Top Dentists” Issue

In This Issue: 2 3

Thomas Jefferson University and Hospitals

Jeff News

May – July 2010

Cooking for a Healthy Heart

Philadelphia Eagles kicker, David Akers, helped to cook up a heart-healthy seafood dish at Jefferson’s Heart Health Event at the King of Prussia Mall in February. The event drew 500 people and media coverage from various local television stations. Also pictured is Jefferson cardiologist, Danielle Duffy, MD.

TJHU Honored for Organ Donation Efforts

Thomas Jefferson University Hospital and Jefferson Hospital for Neuroscience were among five area hospitals honored in November for “achieving a perfect record for working with Gift of Life to identify potential organ donors.”

Delaware Valley Healthcare Council (DVHC) of the Hospital and Healthsystem Association of Pennsylvania announced the recognition at an annual breakfast event, where two other area hospitals received the Gift of Life Award.

According to the DVHC, the need for more donors continues to be an urgent one. Today, there are nearly 6,000 patients in this region awaiting the gift of a life-saving organ transplant, joining the 103,000 people nationwide. Read more at the Gift of Life website (www.donors1.org).

Learn more about the Jefferson Division of Transplantation by visiting www.jeffersonhospital.org/transplant.

VITAL SIGNS: FEBRUARY 2010

TJH, Methodist, Gastroenterology, Jefferson Hospital for Neuroscience

Admissions 3,535 3,416 3,583
Length of Stay 5.55 5.58 5.64
Patient Days 19,622 18,545 19,706
Outpatient Visits 34,318 30,444 35,291

Patient Satisfaction Score (combined average): 85.2

Philadelphia Eagles kicker, David Akers, helped to cook up a heart-healthy seafood dish at Jefferson’s Heart Health Event at the King of Prussia Mall in February. The event drew 500 people and media coverage from various local television stations. Also pictured is Jefferson cardiologist, Danielle Duffy, MD.

TJHU Honored for Organ Donation Efforts

Thomas Jefferson University Hospital and Jefferson Hospital for Neuroscience were among five area hospitals honored in November for “achieving a perfect record for working with Gift of Life to identify potential organ donors.”

Delaware Valley Healthcare Council (DVHC) of the Hospital and Healthsystem Association of Pennsylvania announced the recognition at an annual breakfast event, where two other area hospitals received the Gift of Life Award.

According to the DVHC, the need for more donors continues to be an urgent one. Today, there are nearly 6,000 patients in this region awaiting the gift of a life-saving organ transplant, joining the 103,000 people nationwide. Read more at the Gift of Life website (www.donors1.org).

Learn more about the Jefferson Division of Transplantation by visiting www.jeffersonhospital.org/transplant.

VITAL SIGNS: FEBRUARY 2010

TJH, Methodist, Gastroenterology, Jefferson Hospital for Neuroscience

Admissions 3,535 3,416 3,583
Length of Stay 5.55 5.58 5.64
Patient Days 19,622 18,545 19,706
Outpatient Visits 34,318 30,444 35,291

Patient Satisfaction Score (combined average): 85.2
Jefferson Teleconsulting System

continued from page 1

JHN continues to set the standard worldwide for state-of-the-art care for time-sensitive neurovascular diseases. Its staff have helped to develop and/or have introduced to the region leading-edge treatments and technologies that reduce the need for open brain surgery for stroke, brain aneurysms and AVMS. Among them:

- Intra-arterial thrombolysis with tPA – pharmacological blood clot dissolving
- Mechanical thrombectomy devices
- Wingspan stent – FDA-approved mesh tube to open blocked arteries in the brain after clot-dissolving drugs have failed
- Coiling, gluing and stenting of brain aneurysms – reduces need for open brain surgery

For more information about treatments and about JET, visit www.jeffersonhospital.org/neuroscience.

KCC Breast Cancer Researchers Receive Funding from Local Group

Millions of adults in the United States develop thrombotic disorders every year, so having a state-of-the-art center with all the clinical and diagnostic tools in one area provides the best possible treatment options for patients.

The new Jefferson Vascular Center (JVC) at Thomas Jefferson University Hospitals offers an integrated, multidisciplinary approach to the diagnosis, management and treatment of vascular diseases (diseases of blood vessels) and thrombotic (blood-clotting) disorders, all under one roof.

**Collaborative Experience**

The JVC incorporates Jefferson's Division of Vascular and Endovascular Surgery, Medical Vascular Service and Vascular Ultrasound Radiology to offer patients a collaborative approach to their vascular issues. Using state-of-the-art diagnostic equipment and minimally-invasive treatment modalities, the JVC specializes in the treatment of:

- Blocked arteries of the neck, abdomen and leg that cause stroke and leg pain;
- Enlarged arteries (aneurysms) of the chest, abdomen and legs that can rupture;
- Clotting disorders that cause blood clots in the legs or lungs;
- Varicose veins that cause leg pain;
- Diabetic foot wounds;
- Lymphedema; and
- Management and education in the use of blood thinners

The new Jefferson Vascular Center is located at Suite 6270 Gibbon. For more information, visit www.jeffersonhospital.org or call 215-955-6540.

**Fitness and Lifestyle Center**

The Jefferson-Myrna Brind Center of Integrative Medicine has opened its new Division of Fitness and Lifestyle facility across from Jefferson Hospitals' Center City campus. This new state-of-the-art facility offers a wide-range of personalized fitness training programs to complement the various integrative approaches already offered at the Myrna Brind Center.

"We are really excited to offer such a variety of low-cost wellness programs to not only patients of the Center but to the community as a whole," said Daniel A. Monti, MD, Director of the Myrna Brind Center. "We designed this new facility to be accessible; there are no membership fees. You only pay for the classes and services you want."

Fitness services are led by Luke Shechtman, CSCS, and include:

- One-on-One and Group Training: The Center can accommodate patients who want individualized attention or like to work out with others. The professional staff is certified in various disciplines ranging from strength and circuit training to cardio plus and sport-specific training.
- Kettle Bell Body Sculpting: A full body workout that builds stability, muscle strength and cardiovascular endurance.
- Weight Management: Burn calories through tailored exercise and counseling.
- Yoga: Both anusara- and vinyasa-style classes are offered throughout the week.
- Pilates: Focusses on strength, flexibility, posture and movement to build a sleek and toned body.
- Tai Chi: A traditional eastern system of meditative exercise designed to facilitate relaxation, balance and health.
- Sports Massage: Certified massage specialists will put body and mind at ease while improving blood flow and soothing tense muscles.

For more information on any of the above classes, programs or services, please call 215-953-6222 or visit the Fitness Center at 1013 Chestnut Street.
Inpatient Rehabilitation and Stroke Specialty Programs Receive Accreditation

Jefferson Hospitals has achieved a three-year accreditation from the Commission on Accreditation of Rehabilitation Facilities (CARF). The accreditation extends to the inpatient rehabilitation program and stroke specialty program of the Comprehensive Acute Rehabilitation Unit of the Department of Rehabilitation Medicine.