

UF Clinical & Translational Science Institute

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www.ctsi.ufl.edu



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UF academic and clinical campuses are involved — one in Gainesville and one in Jacksonville — along with the entire Shands HealthCare system and the North Florida/South Georgia Veterans Health System

The UF CTSI has three key components to its mission:

- Advance human health by accelerating the translation of discoveries into practical applications for the diagnosis, treatment, prevention and cure of human disease.
- Educate and train future translational clinicians and researchers.
- Provide funding support information for clinical research.

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UF colleges comprise the UF CTSI: Agricultural and Life Sciences, Dentistry, Engineering, Fine Arts, Health and Human Performance, Journalism and Communications, Liberal Arts and Sciences, Medicine, Nursing, Pharmacy, Public Health and Health Professions, and Veterinary Medicine

Research

The UF CTSI provides an intellectual home for clinical and translational research and training by integrating scientific and educational activities. The CTSI is forging a network of multidisciplinary Clinical Research Units as well as a thematically and geographically diversified community engagement program.

67

IFAS community extension programs assist UF CTSI researchers with community engagement

75%

of UF faculty are involved with the CTSI



In July 2009, UF received a \$26 million Clinical and Translational Science Award from the NIH's National Center for Research and Resources to accelerate scientific discovery, enhance medical care, produce highly skilled scientists and physicians and foster partnerships with industry. UF joins a prestigious national consortium of medical research institutions who have received this award and is the only Florida institution. The UF Clinical Translational Science Institute will be housed in a new research facility, shown here, to be completed by 2013.



PHOTO BY SARAH KEWEL

Dr. David Weinstein checks in on glycogen storage disease patient Kamryn Jackson (center), 5, and big sister Rylee, 7, during Kamryn's recent checkup at UF.

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clinical
research units

The UF CTSI currently
funds more than

25

research projects

31

professional seminars
presented to faculty
and students

Advances
in clinical research
have led to a

63%

reduction in deaths from
heart disease, and AIDS
has been transformed from
an acute fatal illness to a
chronic condition.

Patient Care

Clinical Research Units are responsible for the performance of clinical trials, where medical treatments that have proved effective during an extensive research phase are ready for use by patients in a controlled setting. This step is key to advancing research and education into the cause, diagnosis, prevention and cure of human disease.

Education

The CTSI creates educational opportunities for students, faculty and staff, with programs for research coordinators and those seeking post-professional training in research practices, a master's degree program in clinical and translational science, and opportunities for undergraduate training. In addition, the CTSI supports seminars and provides pilot project and grant funding for student and faculty researchers in translational science.

The Impact of Clinical Research

The overall impact clinical research has had on human health is substantial and UF has played a key role. For example, UF researchers were pioneers in the development of a blood test to detect the early signs of insulin-dependent diabetes.

Breakthroughs like this will continue. In 2009, UF received more than \$130 million from the National Institutes of Health to fund clinical research projects. The UF CTSI will serve as a conduit for this research, connecting UF researchers and clinicians to colleagues at other institutes conducting similar research, creating a synergistic approach that will advance human health effectively and efficiently.