

Center for Clinical and Translational Science and Training

Division Photo



Left to Right: C. Dumoulin, J. Strasser, C. Lindsell, J. Heubi, A. Morrow, J. Tsevat, E. Haynes, P. Embi, M. Wess, R. Barr

Division Data Summary

Research and Training Details		
Number of Faculty	2	
Number of Joint Appointment Faculty	11	
Number of Support Personnel	87	
Direct Annual Grant Support	\$2,239,514	
Clinical Activities and Training		
Inpatient Encounters	55	
Outpatient Encounters	4,394	

Significant Publications

All publications resulting from projects utilizing the Center for Clinical and Translational Science and Training (CCTST) are listed in the divisional sections for this annual report. The CCTST maintains a complete listing of these publications.

Faculty Members

James E. Heubi, MD, Professor; Associate Chair, Clinical Research; Associate Dean, Clinical Research; Program Director, CTRC

Joint Appointment Faculty Members

John Hutton, PhD, Professor Bioinformatics Division CTRC Informatics Director **Heidi Kalkwarf, PhD,** Associate Professor General & Community Pediatrics Body Composition Scientific Director

Ardythe Morrow, **PhD**, Professor Center for Epidemiology & Biostatistics CTRC Biostatistician

Jennie Noll, PhD, Associate Professor Behavioral Medicine & Clinical Psychology CTRC Research Subject Advocate

David Repaske, MD, PhD, Professor Endocrinology Biochemistry Core Laboratory Director

M. Douglas Ris, PhD, Professor Behavioral Medicine & Clinical Psychology CTRC Behavioral Core Director

Shelia Salisbury, PhD, Assistant Professor Center for Epidemiology & Biostatistics CTRC Biostatistician

Lori Stark, PhD, Professor Behavioral Medicine & Clinical Psychology CTRC Psychologist

Significant Accomplishments

Clinical and Translational Science Award to the University of Cincinnati, Children's Hospital Medical Center, Veterans Affairs Medical Center and University Hospital

The Center for Clinical and Translational Science and Training (CCTST) was established by Dean David Stern, MD, University of Cincinnati (UC) College of Medicine in 2005 to serve the Academic Health Center (AHC), UC campus and community. The Center is co-directed by Associate Deans James Heubi, MD and Joel Tsevat, MD, MPH. A Clinical and Translational Science Award (CTSA) was made to the University of Cincinnati, CCHMC, VA Medical Center and University Hospital on April 3, 2009. This \$23.5 million, 5-year grant supports infrastructure to facilitate clinical and translational research and the training of investigators in transdisciplinary research. CCHMC and its affiliates are now among 55 sites nationally that comprise the CTSA Consortium, with funding of 60 sites anticipated by 2011. Dr. Heubi assumed the overall direction of the program with specific responsibilities for core areas of the Clinical Translational Research Center (formerly the General Clinical Research Center), Pilot and Collaborative Studies, Research Support and Operations (regulatory knowledge), and Translational Technologies, while Dr. Tsevat is responsible for oversight of Research Education, Training and Career Development; Biomedical Informatics; Biostatistics, Methods and Ethics in Translational and Clinical Studies (BioMETrCS); and Community Engagement and Research.

Creation of Research Central as a portal for support of clinical/translational scientists

During the course of submission of the revised CTSA, a physical and virtual portal called Research Central was created as a single point of entry for investigators seeking support for clinical and translational research. Using a model similar to the medical record with documentation of a "chief complaint" or request for services followed by documentation of the services provided by staff with expertise in methodology and biostatistical analysis, investigators can access a variety of services related to protocol or grant development. Services include study design, biostatistics, data management including the use of a novel resource called REDCap (Research Electronic Data Capture), support for questions regarding regulatory issues, use of other resources such as the Clinical Translational Research Center, and enabling technologies (imaging, proteomics, drug discovery, gene and cellular therapies, and translational and molecular disease modeling). Priorities are given to trainees and young faculty to foster career development in clinical and translational research. Since opening Research Central approximately 2 years ago, staff have handled approximately 370 consultation requests.

Educational and Pilot Award Programs to foster clinical and translational research

Through UC, a Certificate in Clinical and Translational Research program was launched with 11 students in its first

cohort. This 14-credit hour program will help to train fellows and junior faculty interested in serving as collaborators on clinical and translational research projects. With support from an ARRA supplement, work has commenced on developing an on-line Certificate program, which may appeal to an even larger trainee audience. The KL2 mentored training program has appointed two classes of entry level faculty seeking to develop careers in clinical and translational research. These appointees receive up to 2 years of salary support and resources for supplies. Six positions were awarded from 34 applications, with 5 awardees coming from the Department of Pediatrics. The Community Engagement Core initiated a Community Leaders Institute with a 6-week training program designed to create leaders with competence in community-based research and graduated its first class of 11 students from community-based programs. Five Community Health Program Grants totaling \$80,000 were awarded April 1, 2010 to area agencies focusing on health promotion and research in community settings such as clinics and schools. In collaboration with CCHMC, the CCTST has made \$1.6 million in grants supporting 16 pilot projects across and beyond the Academic Health Center designed to bring bench discoveries to clinical application. Seven of these include UC-CCHMC collaborations. The CCTST research ethics grant program awarded 2 teams of AHC investigators \$10,000, 1-year grants in its inaugural funding round (March 2009). The second funding round (April 2010) awarded 5 additional 1-year ethics grants as well as 5 research methods development grants.

Division Publications

1. :

Grants, Contracts, and Industry Agreements

Grant and Contract Awards

Annual Direct / Project Period Direct

	Annual Direct / Project Period Direct
ranslational Sciences and Ti tutes of Health)	raining
04/03/09 - 03/31/14	\$2,239,514 / \$4,561,184
Pilot/Collaborative Studies	25,502
Biomedical Informatics	84,254
Design, Biostatics & Ethics	37,010
CTRC	1,892,492
Community Engagement	40,887
Research/Education/K12 Training Program	31,392
K30 Training Program	28,690
Imaging Research	25,502
Translational & Molecular Disease Modeling	31,501
Stem Cell Research	42,284
	tutes of Health) 04/03/09 - 03/31/14 Pilot/Collaborative Studies Biomedical Informatics Design, Biostatics & Ethics CTRC Community Engagement Research/Education/K12 Training Program K30 Training Program Imaging Research Translational & Molecular Disease Modeling

Current Year Direct 2,239,514

Total 2,239,514