

TECHNOLOGY AND RESEARCH INITIATIVE FUND
(TRIF)

ARIZONA CLINICAL AND TRANSLATIONAL
RESEARCH AND EDUCATION CONSORTIUM

THE UNIVERSITY OF
ARIZONA
TUCSON ARIZONA

March 2007

Considerable advances have been made during the last decades in our understanding of the biological basis of health and disease. Developments in biotechnology have provided researchers with new, high throughput tools that have expanded our understanding of the way normal cells, tissues, and organisms work



and of the disruptions in these vital processes that occur during disease. Justifiably, the general public has had the hope that these breakthroughs could rapidly produce cures for cancer, diabetes, heart and lung diseases, and other ailments.

In order for these hopes to become reality, a new generation of clinical and translational scientists is emerging, who are bridging the gap between basic and clinical sciences and who will transform cutting edge knowledge into medicines to treat patients and preserve health. These scientists will lead the way towards the medicine of the future, one that finds the right treatment for the right patient, so as to maximize therapeutic effect and minimize unwanted side-effects.

The Arizona Clinical and Translational Research and Education Consortium (ACTREC) will create the resources and the core facilities to allow the state of Arizona to be a leader in training this new generation of scientists. We will collaborate with academic and private partners to develop for Arizona the new industry that is emerging around clinical and translational sciences in the United States.

Contents

Introduction	1
Performance Analysis	2
Financial Information	3
Goals	3
Management	4
Advisory Boards	4
Learn More	4



*Dr. Keith Joiner
Vice Provost for Medical Affairs
Dean, UA College of Medicine*

PERFORMANCE ANALYSIS

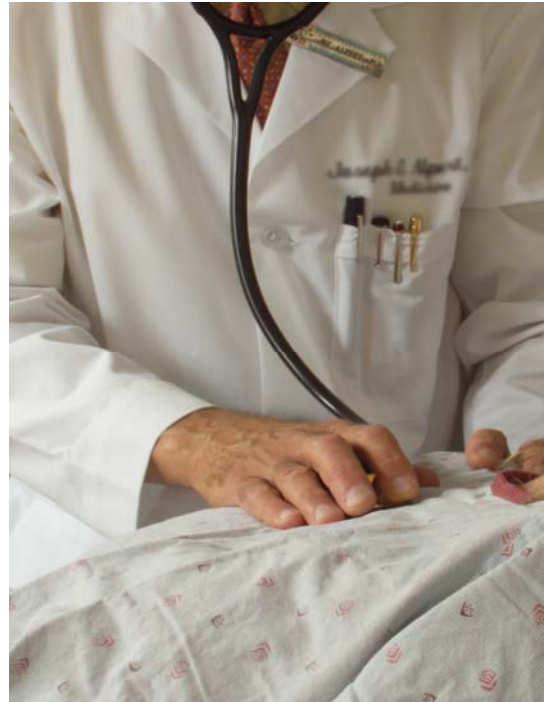
Category	FY07 Projected	FY08 Projected	FY09 Projected	FY10 Projected	FY11 Projected
Return on Investment					
CTSA Federal Grant (U54)	-	-		\$6M*	\$6M
Clinical Trials Contracts	\$0.5M	\$1M	\$2M	\$3M	\$6M
Other Grants Received	-	-	\$1M	\$3M	\$5M
Clinical Scholars Circle members	9	15	27	50	75
New faculty hired	1	1	4	4	4
Technology Transfer and Industry Collaboration					
New companies formed	0	0	1	0	1
Research agreements with outside partners	0	1	3	5	6
Workshops & seminars	0	0	2	4	8
Workforce contributions					
Graduate and professional students trained	0	0	0	10	20
Interns and residents trained	0	0	0	0	12
Education					
Translational Scholars trained	3	3	3	6	12
Training grants obtained or renewed	0	0	1	3	6
Continuing Education Programs	4	4	10	15	20
Partnerships/Collaborations					
Affiliate clinical partners in ACTREC	5	10	15	25	35
Clinicians in ACTREC	40	50	80	120	150
Affiliate research institutions in ACTREC	4	4	6	9	12

* assuming funding is approved

PERFORMANCE ANALYSIS

The ACTREC program will foster the creation of a statewide structure for clinical and translational research, the creation of structures for statewide dissemination and assessment of this research, application of biomedical informatics and enabling technologies, creation of small businesses that will support clinical research in the State, and development of new structures for training and financial support of teams of clinical and translational investigators.

Ultimate success of this aggregate process will be reflected in the achievement of a Clinical and Translational Science Award (CTSA). NIH funding through the CTSA mechanism, regardless of the added benefits of increased research productivity, will bring \$5 to 6 million in new federal funds to Arizona. As a consequence of improved infrastructure we will realize benefits in technology transfer, industry collaboration, workforce development, translational science education, and research partnerships across the state.



FINANCIAL INFORMATION

	FY 2006 Actual	FY 2007 Projected Budget	FY 2008 Projected Budget	FY 2009 Projected Budget	FY 2010 Projected Budget	FY 2011 Projected Budget	TOTAL
Carry Forward		-0-	-0-	-0-	-0-	-0-	
New TRIF Revenue	-0-	1,000,000	900,000	700,000	600,000	750,000	3,950,000
TOTAL REVENUE		1,000,000	900,000	700,000	600,000	750,000	3,950,000
Personal Services	-0-	778,800	778,800	578,500	500,500	650,000	3,286,600
Operating		121,200	121,200	121,500	99,500	100,000	563,000
Capital	-0-	100,000	-0-	-0-	-0-	-0-	100,000
TOTAL EXPENDITURES		1,000,000	900,000	700,000	600,000	750,000	3,950,000

Pursuant to new ROI policy, ROIs will not be calculated in FY 2007-2011 for this non-research project. Funding of the Arizona Board of Regents' Technology and Research Initiative Fund (TRIF) is provided by a 0.6 percent increase in the Arizona sales tax rate approved by the voters through Proposition 301 on the November 2000 general election ballot.

GOALS

The main goals of the UA ACTREC office are to:

- Actively support the development of the statewide consortium by consolidating and facilitating the UA's clinical and translational research mission. For this purpose, we will establish the infrastructure facilitating

institutional and collaborative conduct of clinical and translational research, including core support for study design, data management and bioinformatics, contracts, IRB interface, patient management, long distance clinical

(Continued on page 4)

GOALS

(Continued from page 3)

- collaboration, good clinical practice, and good laboratory practice.
- Establish a translational scholars program and a clinical scholar's circle, which will bring together cross-disciplinary senior faculty mentors and clinician scholars by offering incentives for research collaborations through a mentored faculty development and research education program.
- Enable the development of a statewide clinical science and clinical trial industry by facilitating the development of small businesses that will provide core services and management support to industrial and academic partners interested in performing

MANAGEMENT

UA ACTREC is directed by an Executive Working Group, chaired by Dr. Fernando Martinez. The Executive Working Group reports to an Advisory Board with broad institutional representation, chaired by Dr. Keith Joiner, Vice Provost for Medical Affairs and Dean, College of Medicine.

ADVISORY BOARDS

UA ACTREC Executive Working Group:

Fernando Martinez, *Director, Arizona Respiratory Center* (Chair)

David Alberts, *Director, Arizona Cancer Center*

J. Lyle Bootman, *Dean, College of Pharmacy*

Vicki Chandler, *Director, BIO5 Institute*

Robert Gillies, *Director, Advanced Research Institute of Biomedical Imaging (ARIBI)*

Keith A. Joiner, *Dean, College of Medicine*

John Murphy, *Associate Dean, College of Pharmacy*

Ronald Weinstein, *Department Head, Pathology, and Director, Arizona Telemedicine Program*

UA ACTREC Advisory Board:

Keith Joiner, *Vice Provost for Medical Affairs and Dean, College of Medicine*, (Chair)

J. Lyle Bootman, *Dean, College of Pharmacy*

Vicki Chandler, *Director, BIO5 Institute*

George Davis, *Executive Vice President and Provost*

Marjorie Isenberg, *Dean, College of Nursing*

Tom Peterson, *Dean, College of Engineering*

Joaquin Ruiz, *Dean, College of Science*

Eugene Sander, *Vice President for University Outreach and Dean, College of Agriculture and Life Sciences*

G. Marie Swanson, *Dean, College of Public Health*

Leslie Tolbert, *Vice President for Research*

James Wyant, *Dean, College of Optical Sciences*

LEARN MORE

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- ◆ Contact Dr. Leslie Tolbert, Vice President for Research, Graduate Studies and Economic Development, The University of Arizona, at tolbert@email.arizona.edu

