EXTERNAL ADVISORY BOARD OVERVIEW

June 16, 2014

brings UCLA innovations to the greatest health needs in Los Angeles

www.ctsi.ucla.edu
UCLA CTSI Goals

- Create an academic home for translational science
- Advance team science
- Train the next generation of translational scientists
- Build bi-directional community partnerships
- Promote inter-institutional collaborations
External Advisory Board

**EAB Chair**

**Anantha Shekhar, MD, PhD**
Indiana University  
Director, Indiana Clinical and Translational Sciences Institute  
Associate Dean for Translational Research  
Raymond E. Houk Professor of Psychiatry  
Professor of Pharmacology and Neurobiology

**Sergio Aguilar-Gaxiola, MD, PhD**
UC Davis  
Director, Center for Reducing Health Disparities  
Community Engagement, Clinical & Translational Science Center

**David Chang, MD, PhD**
Vice President, Amgen

**Deborah Fournier, PhD**
Boston University  
Assistant Provost for Institutional Research  
Director, Evaluation and Tracking BU CTSI

**Deborah Grady, MD**
UCSF  
Professor in Residence  
Associate Dean of Clinical and Translational Research  
Co-Director, Clinical & Translational Science Institute

**Shawn Murphy, MD, PhD**
Harvard University  
Research Associate in Biomedical Informatics  
Massachusetts General Hospital  
Associate Professor of Neurology

**Eugene Orringer, MD**
University of North Carolina  
Director of Education, CTSA

**Harry Selker, MD**
Tufts University  
Director, Clinical and Translational Science Institute  
Professor of Medicine, School of Medicine  
Executive Director, Institute for Clinical Research and Health Policy Studies

**William Smoyer, MD, FASN**
Ohio State University  
C. Robert Kidder Chair, Professor of Pediatrics  
Vice President, Clinical and Translational Research  
Director, Center for Clinical and Translational Research  
The Research Institute at Nationwide Children's Hospital

**Hal F Yee, Jr., MD, PhD**
LA County Department of Health Services  
Chief Deputy Director, Health Services  
Clinical and Medical Affairs
Internal Advisory Board

James Economou, MD, PhD
Professor of Surgery
Vice Chancellor for Research

A. Eugene Washington, MD, M.Sc.
Dean, David Geffen School of Medicine
Vice Chancellor, Health Sciences

Richard Baker, MD
Executive Director
Urban Health Institute
Chairman, Department of Ophthalmology
Charles R. Drew University

Richard Casaburi, MD, PhD, E Eng
Professor of Medicine, Associate Chief for Research
Harbor-UCLA Medical Center

Sylvia Hurtado, PhD
Professor, Education & Information Studies
Head, Higher Education & Organizational Change Division
Director, Higher Education Research Institute
UCLA

Mark Daniel
Vice President, Research
Cedars-Sinai Medical Center

William Ouchi, PhD, MBA
Sanford and Betty Sigoloff
Distinguished Professor in Corporate Renewal
UCLA

Vivek Shetty, DDS, DMD
Professor, Dentistry - Oral & Maxillofacial Surgery
UCLA

Dorothy Wiley, PhD, RN FAAN
Associate Professor – School of Nursing
UCLA
1) Biomedical Informatics Program
2) Community Engagement in Research Program
3) Clinical and Translational Research Centers
4) Pilot Translational and Clinical Studies Programs
5) Research Education and Career Development Program
6) Biostatistics Program
7) Center for Translational Technologies
8) Child Health Research
9) Regulatory Knowledge, Industry Relations and Research Ethics Program
10) Evaluation & Tracking
UCLA CTSI Research Resources

- Clinical Research
- Research Cores
- Biostatistics
- Data Repositories
- Education & Training
- Pilot Funding
- Grants Facilitation
- Discoveries-to-Products
- Community Engagement
1) Review of Program Area Goals

2) Response to EAB Recommendations

3) Progress
   • Areas most important to our renewal
   • Infrastructure development
   • Outcomes

4) Future plans
Overview Outline

- Response to EAB Recommendations
- Global Initiatives
- Achievements
- Plans for Renewal
Summary of Major EAB Recommendations

- Continue to evolve your governance. Avoid creating silos.
  - Strategic Planning Initiative for 2013-2014

- Identify areas where you can lead nationally.
  - National leaders for:
    - Cohort finding / regional and national data repository development
    - IRB reliance
    - Dissemination & Implementation Initiative; LA County team science

- Improve integration of the CTSI and the Office of Research, particularly in the area of study start up.
  - Institutional support for clinical research infrastructure initiative (Arash Naeim, CMO for Clinical Research)
• A larger institutional commitment to biomedical informatics may be required to remain competitive as a CTSA.
  - Biomedical informatics task force plan under review

• Develop an “entrepreneurial culture” at UCLA CTSI.
  - UC Center for Accelerated Innovation (NHLBI U54)
  - Discoveries-to-products consultations
  - Accelerator
  - MBA student internships
  - SBIR Workshops, fall 2014
  - I-Corps submission to educate entrepreneurial teams
  - Entrepreneurial ecosystem
Global Initiatives
Global Initiatives

- **UC BRAID**
  - UC ReX, biobanking, EngageUC, contracting, child health and UC Center for Accelerated Innovation (U54)

- **Clinical Research Labs (point-of-care research)**

- **Grants submission facilitation**

- **Clinical research infrastructure**

- **Biomedical Informatics Task Force**

- **Increase support for K award applicants**

- **IRB reliance**
  - National, UC BRAID and local CTSI partners

- **Cohort finding/data repository development**
UC Biomedical Research Acceleration Integration and Development (UC BRAID)

- IRB Harmonization
- Master Contracting
- Federated Research Data Repositories
- Harmonizing Biobanking
- Discoveries-to-Products (UC Center for Accelerated Innovation)
- 12 Million Patients
CTSI Clinical Research Laboratories: Point-of-Care Model

- Technologies (i.e., Wireless Health Institute)
- Prediction Algorithms

- Therapeutics/Diagnostics/Devices
  - Implementation Science
  - Quality Improvement

ICUs, Clinics & Communities

Investigator Teams

Research Personnel

Trainees
Grant Submission Flow Chart

NEW FUNDING OPPORTUNITY ANNOUNCEMENT

EXPERTISE IDENTIFIED

BRAINSTORMING

PROPOSAL DEVELOPMENT

SUBMISSION

DIRECT FACILITATION

ONLINE TOOLS & WORKSHOPS
Rapid Response Team
Grant Proposal Management Software

This online tool includes:

• Automated, clear task assignments with deadlines and messaging
• Real-time project access for all project members
• Shared document functionality
• Generate specialized reports
• Month-formatted calendars with actions due
• Oversight of the timeline facilitated by color coded Gantt charts and task lists
- UCLA CTSI provided direct facilitation to more than 40 separate PCORI, NIH and DoD grant application proposals, 17 awarded

- Resulted in more than $60M in new extramural grant funding with $56M currently pending

- CTSI partnered with UCLA DGSOM to expand grants submission facilitation in April 2013
Achievements
Highlights

KL2 awards doubled to 23 and additional K award workshops

Biostatistical Consults

• Collaborated on > 1,700 projects for > 1,000 investigators through Y3

Technology Core Vouchers

• 906 applications, 293 awards to date
• up to $10K, 300 word application
• junior investigators receive priority

Pilot funding

• Awarded 280 peer-reviewed pilot grants to date ($10.5M)
  - ($5M in CTSI funds; $5.5M leveraged institutional funds)
• $46M in subsequent grant funding to date

More than 650 publications
Renewal
NIH CTSA Consortium

2006:
- Columbia University
- Duke University
- Mayo Clinic
- Oregon Health & Science University
- The Rockefeller University
- UC Davis
- UCSF
- University of Pennsylvania
- University of Pittsburgh
- University of Rochester
- UT Health Science Center at Houston
- Yale University

2007:
- Case Western Reserve University
- Emory University
- Johns Hopkins University
- University of Chicago
- University of Iowa
- University of Michigan
- UT Southwestern Dallas
- University of Washington
- University of Wisconsin
- Vanderbilt University
- Washington University
- Weill Cornell Medical College

2008:
- Albert Einstein College of Medicine
- Boston University
- Harvard University
- Indiana University School of Medicine
- Northwestern University
- Stanford University
- Ohio State University
- Scripps Research Institute
- Univ Alabama
- University of North Carolina
- UT Health Science Center at San Antonio
- University of Utah
- Tufts University
- University of Colorado Denver

2009:
- Medical University of South Carolina
- Mount Sinai SOM
- New York University SOM
- University of Arkansas Medical Sciences
- University of Cincinnati
- University of Florida
- University of Illinois at Chicago
- UT Medical Branch

2010:
- Children's National Medical Center
- Georgetown University
- Medical College of Wisconsin
- UC Irvine
- UC San Diego
- University of Massachusetts Medical School
- Univ NM Health Science
- USC
- Virginia Commonwealth University
- Penn State Hershey Medical Center

2011:
- UCLA
- University of Kansas Medical Center
- University of Kentucky
- University of Minnesota Twin Cities

2012:
- University of Miami

2013:
- Dartmouth

Source: CTSA Consortium website
https://ctsacentral.org/ctsa-consortium, accessed 1/22/14
Strategic Planning Initiative

OCT 2013 - JULY 2014

**PHASE I**
Conduct Planning Research
- Internal Strategic Planning Interviews/Analysis
- Environmental Assessment
- Benchmark Assessment

**PHASE II**
Define Vision & Strategic Direction
- Define Vision
- Define Goals with Measureable Outcomes
- Develop Strategies & Tactics to Support Vision & Goals

**PHASE III**
Finalize the Plan
- Prioritize Strategies
- Determine Implementation Planning Approach
- Finalize the Strategic Plan and “Roadmap”
- Identify Resources Required to Support the Plan
CTSI Renewal Timeline

2014

Mid-July 2014
• Near-Complete strategic plan

Mid-Aug 2014
• 3 to 5 pages from program leaders that:
  1. Address IOM report
  2. Show how their programs support the strategic plan’s goals and activities
  3. Include preliminary data from the first four years that their future plans will build on

End of Aug 2014
• Feedback on summaries
• Finalize discussions regarding institutional commitments

End of Sept 2014
• Drafts of program sections address the RFA

Mid-Dec 2014
• A complete draft
• Initiate internal and external reviews

2015

Jan 2015
• Distribute to senior leadership

Feb - May 2015
• Revise in response to critiques

June 2015
• Submission to NIH
1) Strengthen NCATS leadership of the CTSA Program
2) Reconfigure and streamline the CTSA Consortium
3) Build on the strengths of individual CTSAs across the spectrum of clinical and translational research
4) Formalize and standardize evaluation processes for individual CTSAs and the CTSA Program
5) Advance innovation in education and training programs
6) Ensure community engagement in all phases of research
7) Strengthen clinical and translational research relevant to child health
The CTSI core grant = $72.1 million over 5 years

The 2016 budget projection reflects potential formula yielding 3% of aggregate NIH funding at participating institutions.
Funding Distribution by Program Area

- CTRC: 25%
- BIP: 13%
- OI: 4%
- OIS: 8%
- LEADERSHIP: 2%
- REG: 5%
- PILOT: 10%
- EVAL: 4%
- ED/TPTS: 4%
- CTT: 8%
- CERP: 10%
- BIOSTATS: 7%
Year 4 High Priority Initiatives

- Renewal plan
- **Strategic Planning Initiative**
- National CTSA consortium projects
- **Discoveries-to-products pipeline education and training**
- Partnership with LA Dept of Health Services
- **Increase support for junior faculty and K award applicants**
- Enhance Clinical Research Laboratories
- **UC BRAID and data repository initiatives**