<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
<th>Role and Roles</th>
</tr>
</thead>
<tbody>
<tr>
<td>S. Claiborne Johnston, MD, PhD</td>
<td>UC San Francisco</td>
<td>Professor of Neurology and Epidemiology, Associate Vice Chancellor of Research, Director, UCSF CTSI</td>
</tr>
<tr>
<td>Sergio Aguilar-Gaxiola, MD, PhD</td>
<td>UC Davis</td>
<td>Director, Center for Reducing Health Disparities, Community Engagement, Clinical &amp; Translational Science Centre</td>
</tr>
<tr>
<td>Michael Becich, MD, PhD</td>
<td>University of Pittsburgh</td>
<td>Chair and Professor, Department of Biomedical Informatics</td>
</tr>
<tr>
<td>David Chang, MD, PhD</td>
<td>Vice President, Amgen</td>
<td></td>
</tr>
<tr>
<td>Deborah Fournier, PhD</td>
<td>Boston University</td>
<td>Assistant Provost for Institutional Research, Director, Evaluation and Tracking BU CTSI</td>
</tr>
<tr>
<td>Daniel Masys, MD</td>
<td>University of Washington</td>
<td>Biomedical Informatics</td>
</tr>
<tr>
<td>Eugene Orringer, MD</td>
<td>University of North Carolina</td>
<td>Director of Education, CTSA</td>
</tr>
<tr>
<td>William Smoyer, MD, FASN</td>
<td>Ohio State University</td>
<td>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</td>
</tr>
<tr>
<td>Hal F Yee, Jr., MD, PhD</td>
<td>LA County Department of Health Services</td>
<td>Chief Deputy Director, Health Services, Clinical and Medical Affairs</td>
</tr>
</tbody>
</table>
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 of Medicine and Science

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

Mark Daniel
Vice President, Research
Cedars-Sinai Medical Center

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

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

Sylvia Hurtado, PhD
Professor, Education & Information Studies
Head, Higher Education & Organizational Change Division
Director, Higher Education Research Institute (HERI)
UCLA
<table>
<thead>
<tr>
<th>UCLA CTSI Goals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Create an academic home for translational science</td>
</tr>
<tr>
<td>Advance team science</td>
</tr>
<tr>
<td>Train the next generation of translational scientists</td>
</tr>
<tr>
<td>Build bi-directional community partnerships</td>
</tr>
<tr>
<td>Promote inter-institutional collaborations</td>
</tr>
</tbody>
</table>
1) Review of Program Area Goals

2) Response to EAB Recommendations

3) Progress

4) Future Plans
Overview Outline

- EAB recommendations
- New Governance
- Global Initiatives
- Year in Review
- Challenges
EAB Recommendations
Summary of Major EAB Recommendations

• Consider a governance structure that facilitates making major decisions. (i.e. budgets)
  - New proposal for governance

• Appears to be a dominance of School of Medicine; need better representation of other schools.
  - New team science awards (SON, Dentistry, Life Sciences, Engineering)
  - Expand participation from other schools in governance

• UCLA has advantage of arriving late to the party. Take advantage of others’ mistakes. Consult with other CTSA nationally.
  - All West Coast Consortium CTSA PIs are being invited to UCLA
  - Visits from UCs, Minn, Boston Univ CTSA this year
  - We are visiting other CTSA: Pitt, LSU/Tulane, Colorado, Cornell
  - Research Associates Program (RAP) modeled after UCI
• Early translational research (T1 translation) appears not to be as well supported. Is this by design?
  - T1 research is supported by pilots, core vouchers and the Shared Resources Consortium managed by the OVCR
  - New education program on translating discoveries to products

• Programs should know what specific goals and metrics define success for them.
  - Informatics restructure and utilization of CTSA tools
  - Expansion of biostatistics to include computational biology
  - Dashboard initiative
New Governance
Former CTSI Governance

Executive Oversight Committee (EOC)

- Associate Directors
- Evaluation & Tracking
- Biostatistics & Clinical Data Management
- Pilot & Collaborative Research Funding
- Biomedical Informatics
- Maternal, Child & Adolescent Health
- Community Engagement in Research
- Clinical & Community Research Resources
- Office of Investigator Services
- Translational Technologies
- Education & Career Development

National Center for Advancing Translational Sciences (NCATS)

Chancellor, UCLA
G. Block

Institutional Steering Committee (ISC)

Internal Advisory Board (IAB)
A.E. Washington
J.S. Economou

External Advisory Board (EAB)
Meetings

Individual Column Committees ▪ *Weekly*

PALM (Program Area Leaders Meeting) ▪ *Bi-weekly*

CTSI Column Leaders Committee ▪ *Monthly*

Site Directors Meeting ▪ *Quarterly*

IAB ▪ *Twice / year*

EAB ▪ *Once / year*
Global Initiatives
UCLA CTSI

**IRB Reliance Review Mechanism**
- 20 approved and pending protocols between partners

**Expansion of KL2 awards to 14 trainees and K award workshops**

**CTSI institutions have recruited 37 translational science faculty**
- 13 - UCLA
- 16 - Cedars
- 8 - Harbor / LA BioMed

**Los Angeles Data Repository (LADR) in progress**
- Combined resource of de-identified, structured clinical data
- Enables CTSI partners to conduct research they cannot do with their own data
Goal 5. Collaborating with other CTSAs

UC Biomedical Research Acceleration Integration and Development (UC BRAID)

UC Research Exchange (UC-ReX)

Engage UC
• Global consent and biobanking
• $2-million in supplemental funding from NCATS

University of California Center for Accelerated Innovation (CAI)
• Led the $21.8-million UC BRAID submission to NHLBI for a UC-wide CAI
• Speeds the transition of academic discoveries to commercial products
Opportunities for Workforce Development

- Computational medicine
- Regulatory science
- Discoveries to products

References:
W. Stead et al, Academic Medicine, Vol. 84, No. 4 / April 2011
UC Research Exchange (UC-REX)

- IRB harmonization
- Master contracting
- Integrated Research Data Repository
- Harmonizing biobanking
- 12 million patients
Augmenting human cognitive capacity in translational research

- Clinical data
- Genetics and proteomics
- Human cognitive capacity
- Clinical decisions
- Proteomics
- Functional genetics
- Structural genetics

Adapted from W. Stead et al, Academic Medicine, Vol. 84, No. 4 / April 2011
Opportunities for Workforce Development

- **Computational medicine**
- **Regulatory science**
- **Discoveries to products**

References:
W. Stead et al, Academic Medicine, Vol. 84, No. 4 / April 2011
Goal 5. Collaborating with other CTSAs

**Translational Process**

- **business/regulatory development consults**
- clinical and translational research center • UC Research eXchange (UC-ReX)

**Clinical Product**
- clinical trials
- investigative new drug
- proof of principle
- discovery

**Consults (IND, FDA)**
- toxicology • core services
- team science grants • Business of Science consults
- biostatistical consults • core services • pilot funding
Year In Review
Biostatistical Consults
• 1267 projects for 611 investigators

Vouchers
• Awarded 230 proposals ($2.2 M)

Pilot funding
• Awarded 195 pilot grants for total of $6.45 M ($3.65 M in CTSI funds; $2.8 M institutional funds)
• Return of $26 M

CTSI Activities
• 20 proposals funded for total of $80 M ($88 M pending)
• Rapid Response Team: supported 23 collaborations
• Office of Investigator Services: 744 consults

More than 430 publications prior to January 2013
Publication awards

1. "Interactions Between Commensal Fungi and the C-Type Lectin Receptor Dectin-1 Influence Colitis" | Science, June 2012
   - David Underhill, PhD and Iliyan Iliev, PhD (Cedars-Sinai)

2. "Diagnostic Accuracy of Fractional Flow Reserve From Anatomic CT Angiography" | JAMA, Sept 2012
   - James Min, MD (Cedars-Sinai)

   - Thomas Ganz, MD and Emilio Ramos (UCLA)

   - Luisa Iruela-Arispe, PhD (UCLA)
Challenges
• Long-term sustainability and funding environment – possible 3% rule from NCATS

• Integrate the research infrastructure across our partner institutions
NIH Funding by Year (2011 – 2016)

YEAR 1: $15,457,370
YEAR 2: $15,079,371
YEAR 3: $1,450,212 (10% cut)
YEAR 4: $13,051,904
YEAR 5: $14,331,847
YEAR 6: $14,159,789
YEAR 6 projected: $12,000,000
Funding Distribution by Program

- **CCRR**: 25%
- **EVAL**: 10%
- **PILOT**: 10%
- **REG**: 5%
- **LEADERSHIP**: 2%
- **OIS**: 8%
- **OI**: 4%
- **BIOSTATS**: 7%
- **BIP**: 13%
- **CERP**: 10%
- **CTT**: 8%
- **ED/TPTS**: 4%

- **TOTAL**: 100%
Year 3 High Priority Initiatives

- KL2 expansion
- Begin planning for renewal
- Unification and utilization of the CTRC
- Training in computational medicine
- Philanthropic funding
- Partnerships with VA and LA Dept. of Health Services
- Define metrics