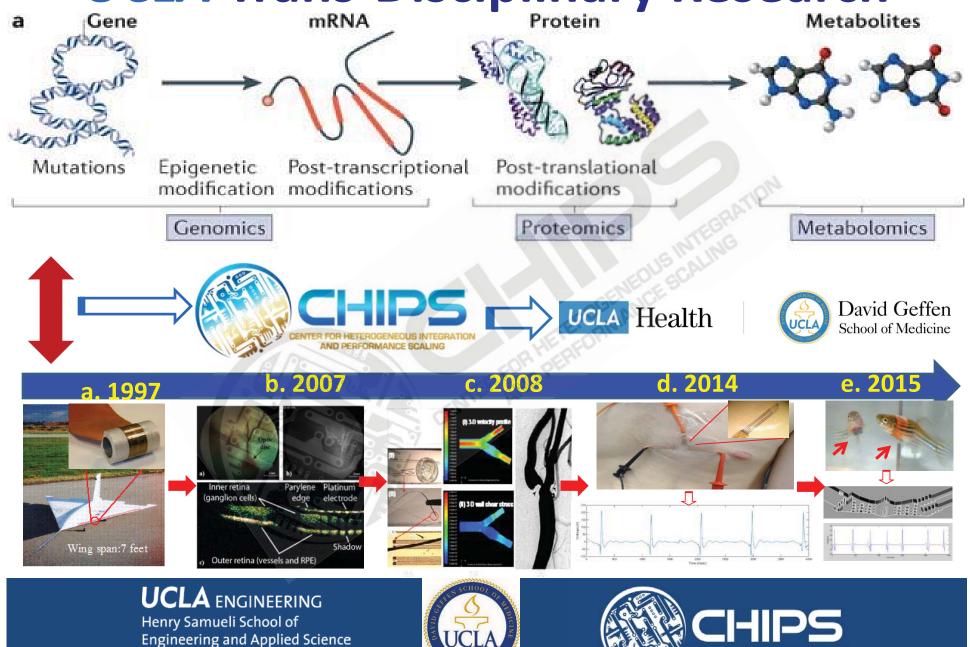






UCLA Trans-Disciplinary Research



Birthplace of the Internet

Transformation of Patient-Centered Care







Cardiac index...

Wage pressure...

V_E/VCO₂...
QTc intervals...
SVT vs. VT....
Metabolic states....
Sympathetic vs.
parasympathetic
tone...
Body weight...

Our Vision



L/min mmHg V_E rates/L/min sec/cycle beats/min ROS/O₂·-Beats/min

Ω Kg/m²





Integration with UCLA Health and School of Medicine



http://people.healthsciences.ucla.edu/institution/groups-new

Clinical Departments

- Basic Science
 - Biological Chemistry
 - Biomathematics

School of Medicine

- Human Genetics
- Microbiology, immunology & Molecular Genetics
- Molecular & Medical Pharmacology
- Neurobiology
- Physiology
- Labs, Institutes and Centers
 - Atherosclerosis Research Units
 - Cardiovascular Research Lab
 - Clinical Trials
 - · Emergency Medicine
 - Human Gene Therapy Center
 - Immunity, Inflammation, Infection, & Transplant (I3T) Research Initiative
 - Integrated Substance Abuse Programs
 - Ronald S. Hirschberg Translational Pancreatic Cancer Research Laboratory
 - UCLA Donated Body Program

- Anesthesiology
- Department of Medicine
 - Cardiology, Clinical Nutrition, Dermatology, Digestive Diseases, Endocrinology, General Internal Medicine and Health Sciences Research, Geriatrics, Hematology-Oncology, Nephrology, Pulmonary, Critical Care, Rheumatology, VA Greater LA, VA Sepulveda
 - Centers-CARE (AIDS) Center, Center for East-West Medicine, Clinical Immunology and Allergy, Clinical Epidemiology and Preventive Medicine
- Head and Neck Surgery
- Neurology
- Obstetrics and Gynecology
- Pathology and Laboratory Medicine
- Pediatrics
- Psychiatry and Biobehavioral Sciences
- Radiation Oncology
- Surgery
- Urology

UCLA ENGINEERING
Henry Samueli School of
Engineering and Applied Science

Birthplace of the Internet





UCLA Health and School of Medicine

UCLA Health





UCLA Affiliated Teaching Hospitals

- Ronald Reagan Medical Center
- Greater Los Angeles VA Healthcare System
- Olive View Medical Center
- Harbor-UCLA Medical Center
- Santa Monica-UCLA Medical Center













Clinical and Translational Science Institute

http://people.ctsi.ucla.edu/institution/personnel?personnel_id=8744

- Supports Training in Multidisciplinary Research and Integrates Community Priorities
 - New investigator program
 - Junior faculty program
 - Pre-doctoral program
 - High school & Undergrad programs
- Training and Resources for Career Development to Conduct Innovative and Translational Research
 - Training program in translational science
 - Educational videos, tools & workshops
 - Course catalog
 - Commercialization & entrepreneurship





UCLA



Heart Transplant Program

 Since1984, 2,000 patients have undergone this life-saving procedure at UCLA. The scientific advances and clinical trials that have come from UCLA have advanced knowledge in the field and improved the clinical results for all patients.

Cardiac Arrhythmia Center

 The Center is dedicated to utilizing state-of-the-art medical technologies with compassionate care to address the needs of arrhythmia patients.

Adult Congenital Heart Disease Program

- The Center is a national and international tertiary care resource that provides services to the growing number of patients with congenital heart disease who reach adulthood.
- Ahmanson UCLA Cardiomyopathy Center (Congestive Heart Failure Program)
- Interventional and Structural Heart Disease
- Cardiac Surgery

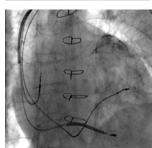


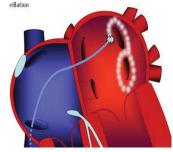


















A Trans-Disciplinary Approach to Assess Unstable Plaque

