State-Funded Health Research in California
Charles L. Gruder, Ph.D.
University of California, Office of the President

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State health research programs
Mission, goals, and history of the Special Research Programs
Program funding and grants awarded
Psychologists’ projects
Areas in which psychologists can contribute
State Health Research Funding Programs in California

- University of California’s Special Research Programs
  - Tobacco-Related Disease Research Program
  - Breast Cancer Research Program
  - Universitywide AIDS Research Program

- Department of Health Services’ Cancer Research Program
Benefits of State-Funded Research Programs

- Significant progress on the state’s health problems will only come through scientific research
- Leverage federal and private research funds
- Attract and retain faculty
- Enhance education and training
- Contribute to the economy, especially biotech and biopharmaceutical industries
Mission of the Special Research Programs

To fund the most scientifically meritorious research that promises to advance knowledge and thereby reduce the human and economic costs of AIDS, breast cancer, and tobacco-related disease for Californians.
Goals of the Special Research Programs

- Fund research on the cause, prevention, and treatment of diseases designated as high priority by the State
- Fund innovative research
- Fund research that complements rather than duplicates research being funded by other agencies
## Source of Funds and Authority

<table>
<thead>
<tr>
<th>Program</th>
<th>Fund Source</th>
<th>Authority</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tobacco</td>
<td>5% of 25¢/pack cigarette tax</td>
<td>Constitutional amendment</td>
</tr>
<tr>
<td>Breast Cancer</td>
<td>45% of 2¢/pack cigarette tax + Line 52 of income tax</td>
<td>Statutes</td>
</tr>
<tr>
<td>AIDS</td>
<td>Annual general fund appropriation</td>
<td>State budget</td>
</tr>
</tbody>
</table>
Funds for 1998-99 Grants
Special Research Programs

Total $57,700,000

$8,500,000 Tobacco
$16,700,000 Breast Cancer
$32,500,000 AIDS

Special Research Programs -- University of California, Office of the President
Number of Institutions Awarded Grants in 1998-99

- Tobacco: 25 institutions
- Breast Cancer: 26 institutions
- AIDS: 17 institutions

Total: 50 different institutions
Institutions Awarded the Most Grants

Universities
- 9 University of California campuses
- University of Southern California
- San Diego State University
- Stanford University

Research Institutes
- Burnham
- Scripps
- SRI
- Lawrence Berkeley National Laboratory

Medical Centers
- Cedars-Sinai
- California Pacific
- City of Hope
Number of Grants Awarded in 1998-99

- Tobacco: 86 grants
- Breast Cancer: 52 grants
- AIDS: 48 grants

Total: 186 grants
Features Common to the Special Research Programs

- Fund research in a wide variety of disciplines
  - Biological and biomedical
  - Social/behavioral and biobehavioral
  - Clinical and epidemiological
  - Public policy, economics, and law

- Peer review modeled on NIH

- UC appoints scientific advisory committees
  - Recommend or set research priorities
  - Recommend grants for funding
  - Scientists, clinicians, and advocates
Psychologists on SRP
Scientific Advisory Committees

- AIDS
  - Doug Anglin, Neuropsychiatric Institute, UCLA
  - Margaret Chesney, Epi & Biostatistics, UCSF
  - Tom Coates, Medicine & Epi, UCSF
  - Ross Conner, Social Ecology, UC-Irvine
  - Kathy Sanders-Phillips, California Endowment

- Tobacco
  - John Elder, San Diego State U
  - Kathy Sanders-Phillips, California Endowment

- Breast Cancer -- None
NIH-like Award Mechanisms

- Research Project (R01)
- New Investigator (R29 - FIRST)
- Postdoctoral Fellowship (F32)
- Training Program (T01 & T32)
- Dissertation (F31)
- Center (P30 & P50)
- Program Project (P01)
Novel Award Mechanisms

IDEAs (Innovative Developmental and Exploratory Awards)

- Low probability of success/high potential payoff
- 1 to 2 yrs duration
- $75,000/yr cap
Collaborative Award Mechanisms

- Community Research Collaboration (all three programs)
  - Scientist (university, institute, med center)
  - Advocate (CBO, support group)
- Translational Research Collaboration (Breast Cancer)
- Multidisciplinary Award (AIDS)
Tobacco -- Psychologists in Psychology Depts.

San Diego State U

- John Martin, *Smoking Cessation for Recovering Alcoholic Persons*
- James Sallis, *Assessing Tobacco Refusal Skills in Latino Youth*
- Georg Matt, *Alternative Sources of ETS Exposure in Infants*
Tobacco--More Psychologists in Psychology Depts.

UC-Irvine
- Larry Jamner, *Adolescent Susceptibility to Tobacco: A Panel Analysis*

U of San Francisco
- Gerardo Marín, *Smoking Predictors in Mexican American Youth*
Tobacco -- Psychologists in Preventive Medicine Depts.

UC-San Diego
- Robert Kaplan, *Effects of Tobacco Taxation upon Population Health Status*
- Ana Navarro, *Tobacco Use among Hispanics in California*

Loma Linda U
- Jerry Lee, *Impact of Caffeine Use on Tobacco Cessation and Withdrawal*
Tobacco--More Psychologists in Preventive Medicine Depts.

U Southern California

- C. Anderson Johnson, *Preventing Smoking and ETS Exposure in CA Pacific Rim Youth*
- Steve Sussman, *Motivation-enhanced Teenage Tobacco Use Cessation*
- James Dwyer, *Antioxidants, Cigarette Smoking, and Atherosclerosis*
- Clyde Dent, *Smokeless Tobacco Cessation among Lumber Mill Employees*
Tobacco -- Psychologists in Other Settings

SRI International, Behavioral Science
- Marcia Ward, *Weight Gain as a Predictor of Smoking Relapse*

San Diego State U, School of Public Health
- John Elder, *Tobacco Control in Latino Communities*

U Southern California
Social Science Research Institute
- Karen Hennigan, *Differentiating Preadolescent from Adolescent Paths to Smoking Onset*
Breast Cancer -- Awards by Priority Area, 1998-99

Cancer control

Innov. Tx

Biology

Amount of awards

$0

$1,000,000

$2,000,000

$3,000,000

$4,000,000

$5,000,000

$6,000,000

$7,000,000

$8,000,000

$9,000,000

Number of grants

0

5

10

15

20

25

Special Research Programs -- University of California, Office of the President
Breast Cancer--Psychologist in Psychology Dept.

California School of Professional Psychology

Mary H. Wieneke, *Breast Cancer*

*Chemotherapy: Does It Impair Brain Function?*
Breast Cancer--Psychologists in Psychiatry Depts.

**UCLA**
- David Wellisch, *Group Intervention for Women at High Risk for Breast Cancer*
- Nangel Lindberg, *Prediction of Compliance and Retention in High-Risk Patients*

**Stanford U**
- Karen Angell *Effects of Stress and Support on Delay in Cancer Treatment*
- Janine Giese-Davis, *Does Change in Emotional Expression Mediate Cancer Survival?*
AIDS -- Psychologists in Psychology Depts.

U of Southern California
- Stephen Read, *Simulating Safer Sex: Interactive Video as HIV Intervention*

California School of Professional Psychology
- Eduardo Morales, *Reducing HIV Risk among Gay/Bisexual Latinos*
AIDS -- Psychologists in Research Centers

UC-San Francisco Center for AIDS Prevention Studies

- Susan Kegeles, *How a CBO Implements a Science-Based HIV Intervention*
- Olga Grinstead, *Secondary Prevention Intervention for HIV+ Inmates*
- Tooru Nemoto, *Targeting API Female and Transgendered Female Commercial Sex Workers*

UCLA, Drug Abuse Research Center

- Kathleen Boyle, *Use of Medical Marijuana by People with AIDS*
AIDS -- Psychologists in a Psychiatry Dept.

UCLA

- Debra Murphy, *HIV+ Patients: Improving Medication Adherence*
- Steven Castellon, *Neuropsychiatric Disturbance and Medication Adherence*
- Mary Jane Rotheram-Borus, *Secondary Analysis of HIV Behavioral Intervention*
- Valerie Hoffman, *Sexual Decision-Making among Young Gay Men*
Training of Biological vs. Behavioral Scientists

Compared to behavioral scientists, biological scientists

- Routinely receive postdoctoral training before launching independent research careers
- Receive more mentoring in grantsmanship
- Apply for postdoctoral fellowships from several sources
Grantsmanship of Biological vs. Behavioral Scientists

Compared to behavioral scientists working in health, biological scientists

- Recognize the need for basic science as a legitimate priority for health research
- Elucidate the relevance of their research questions to a health problem
- Do not let rejection affect their persistence
- Follow review norms that support the best proposals
Psychologists’ Health Research

- Behavioral aspects of diseases with high mortality rates
- Behaviors linked to disease
  - Adopt and maintain health-promoting behaviors
  - Eliminate unhealthy behaviors + abstinence
- Research and clinical methods
  - Adherence to treatment regimen
  - Biofeedback
  - Recruitment and retention in clinical trials
Expanding Psychologists’ Health Research

- Health care services and delivery
- Diseases that radically shorten life
  - Accident and injury among youth
- Areas with rising death rates
  - AIDS
- Macro- or policy-level interventions
  - Socioeconomic intervention with DOT for TB
- Chronic disease management
  - Complex diet and medicine regimen for kidney disease
Expanding Psychologists’ Health Research

- Theory
  - Develop and test new theories
  - Apply existing theories
- Specific issues
  - Survivorship
  - Genetic counseling
  - Collaborations with biologists and medical clinicians
- Experimental methodology
Special Research Programs

www.ucop.edu/srphome/