Cancer Center Support Grant

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03.14.2017 – HDFCCC Staff Engagement Talk
NCI Cancer Centers

Then

- 1937: NCI established by Roosevelt
  - Annual budget = $700,000

- 1971 National Cancers Act
  - Mandate: to conduct “clinical research, training, and demonstration of advanced diagnostic and treatment methods relating to cancer.”
  - 15 centers
  - Standard funding mechanism: CCSG

Now

- 69 Centers
- Nearly $300M / year
- Diagnose >250,000 patients / year
- “Major sources of discovery into the nature of cancer and of the development of more effective approaches to prevention, diagnosis, and therapy.”
Kind of a big deal

UCSF Helen Diller Family Comprehensive Cancer Center

15 = Cancer Center
47 = Comprehensive Cancer Center
7 = Basic Laboratory
What’s in a name?

<table>
<thead>
<tr>
<th>Basic</th>
<th>Clinical</th>
<th>Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>Breadth and depth of research</td>
<td>Transdisciplinary research</td>
<td></td>
</tr>
<tr>
<td>Catchment area</td>
<td>Outreach</td>
<td></td>
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<tr>
<td>Training and education</td>
<td>Clinical trials</td>
<td></td>
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</tbody>
</table>
HDFCCC Membership

- 400+ members and affiliates
- Laboratory scientists, clinical investigators, patient care providers, epidemiologists, socio-behavioral scientists
- Faculty representing 30+ UCSF departments and organized research units

http://cancer.ucsf.edu/people/membership-info
Why NCI Cancer Centers?

Figure 1. Five-year overall survival (OS) by treatment site among patients with adult-onset cancers diagnosed and treated in Los Angeles County. The curves compare 5-year OS between patients aged 22 to 65 years cared for at National Cancer Institute-designated comprehensive cancer centers (NCI-CCC) versus patients cared for in the community (Non-NCI-CCC). (A) Overall cohort. (B-I) Survival by disease entity. 95% CI indicates 95% confidence interval.

UCSF Cancer Center History

1947: Laboratory of Experimental Oncology

1948: David A. Wood
Director, UCSF Cancer Research Institute

1949: NCI designation and Comprehensive status

1989: J. Michael Bishop and Harold Varmus win Nobel Prize

1995: NCI planning grant

1997: Mt Zion Cancer Research Building

1997: Frank McCormick
Director, UCSF Cancer Center

2000: Mt Zion outpatient building

2007: $150M lead gift

2009: Elizabeth Blackburn wins Nobel Prize

2009: Helen Diller Family Building

2015: Mission Bay Hospital

2015: Alan Ashworth
President, HDFCCC
Senior Vice-President for Cancer Services, UCSF Health

>79% growth in accruals
53% increase in NCI funding
OUR VISION is to redefine what is possible by advancing cancer research and patient care.

By unifying outstanding researchers and clinicians, the center minimizes cancer incidence, establishes new frontiers in cancer care, and improves our patients’ lives.
Prevention → Detection → Diagnosis → Treatment → Survivorship
Our CCSG Structure: Leadership, Admin
Our CCSG Structure: Research Programs

- Breast Oncology
- Cancer Genetics
- Cancer Immunology
- Cancer Control
- Neurologic Oncology
- Tobacco Control
- Drug Development & Discovery
- Hematopoietic Malignancies
- Pediatric Malignancies
- Prostate Cancer
Our CCSG Structure: Shared Resources

- Computational Biology & Informatics
- Biorepository & Tissue Biomarker Technology
- Biostatistics
- Laboratory for Cell Analysis
- Precision Imaging for Cancer and Therapeutics
- Small Molecule Discovery
- Preclinical Therapeutics
Our CCSG Structure
Protocol Review and Monitoring System
Clinical Protocol and Data Management

Investigational Trials Resource (ITR)

- PRMS
  - Andrew Ko, MD
  - Tanya Kocian
  - John McAdams

- DSM
  - Thierry Jahan, MD

- CRSO
  - Charalambos Andreadis, MD, MSCE
  - Thomas Cunningham

CPDM
Renewal: what’s involved?

- Written grant: due 9/25/2017
  - Overview
  - Description of all components
  - Data tables

- Site visit: early 2018
  - Presentations by leadership
  - Posters and other supporting material
  - Clinical trials infrastructure “audit”

ALL HANDS ON DECK!
How do you play a part?

- Metrics!
  - Reflects our workflow and procedures.
  - Tangible evidence of productivity and success.
  - Compiled with other Center data to show overall NCI success.
  - Reports are only as good as the data that goes in!
Example: Accrual data

- Each trial: start date, end date, to-date accruals, annual accruals
  - Reflection of:
    - Process for data entry
    - Protocol monitoring
    - Decisions regarding trial closure
    - Trial success at UCSF

- Reviewers notice:
  - Zero/low accruals
  - Miscategorized trials (disease site, program, sponsor type, etc.)

- Moral: timely and accurate entry into OnCore!
Take-aways

CCSG = important infrastructure support for us, important mechanism for the NCI.

Funding level \neq impact

Our processes are reflected in the data we report and the stories we tell.

The CCSG bolsters the strong translational research of our members.
More questions?

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http://cancer.ucsf.edu/intranet/members