

Report to FNLCR

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May 8, 2018

Appropriations Outlook

STEP 1



White House OMB coordinates with federal agencies to formulate the **President's budget proposal**

STEP 2



Congressional appropriations committees consider **President's proposal** & prepare legislation

STEP 3



Congress reconciles & finalizes appropriations legislation & sends to the President

STEP 4

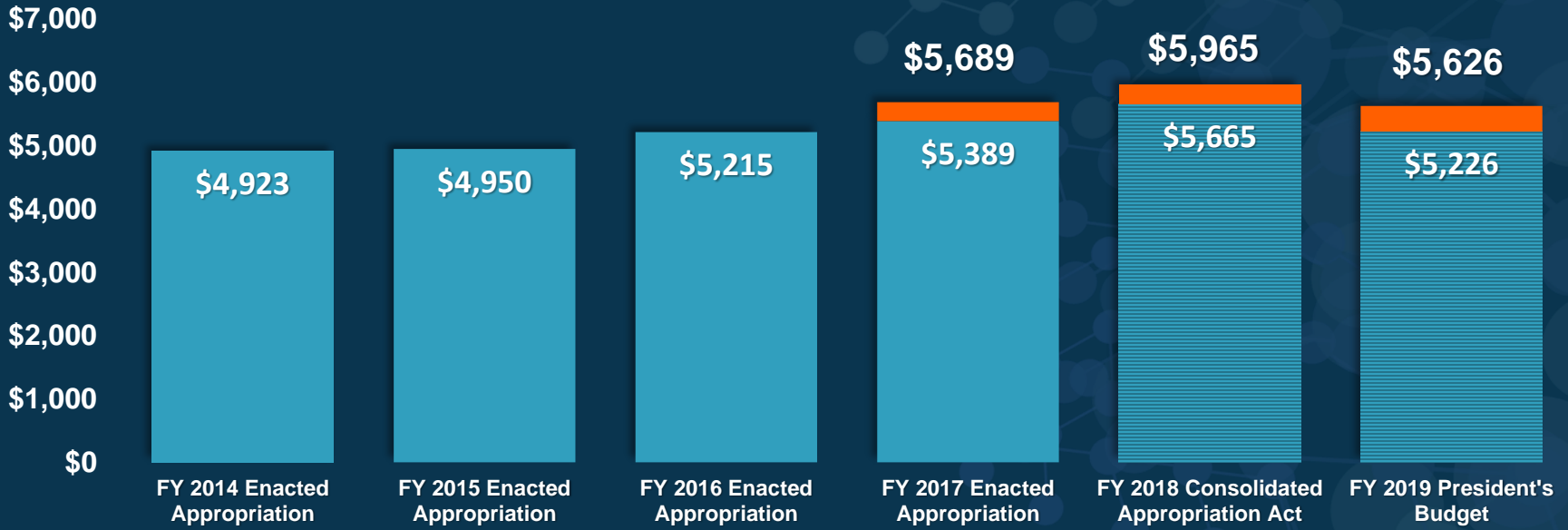


President signs the appropriations bill into law making funds available for NIH & NCI

FY 2019

NCI Appropriations FY 2014-2019 (in millions)

- Base Appropriation
- 21st Century Cures Cancer Moonshot



Congressional Outreach



RPG Pool Trends

	FY2013	FY2014	FY2015	FY2016	FY2017
Number of R01 Applications	4003	3847	4550	4758	5263
Number of R01 Awards	582	578	623	650	650
Success rate (%)	15%	15%	14%	14%	12%
Non-competing support (%)	94%	97%	100%	100%	100%
Total RPG (\$B)	1.854	1.858	1.927	1.967	2.070

Intergovernmental Affairs

Collaborating with FDA and CMS



Scott Gottlieb
Commissioner of FDA

- Oncology Center of Excellence
- Joint Training
- Data Sharing
- Compliance advice on cell manufacture



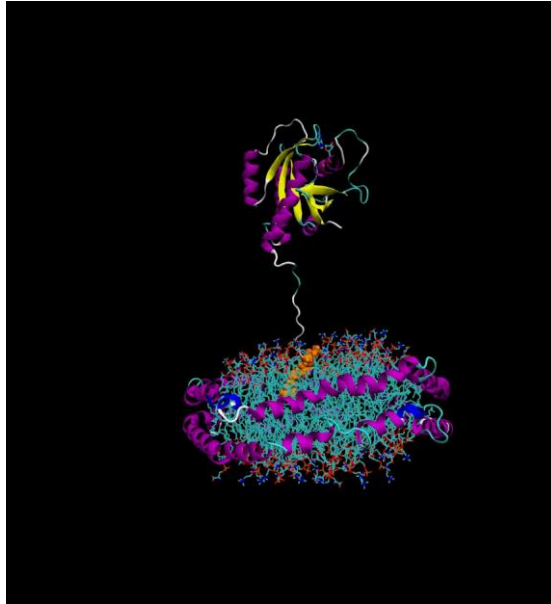
Seema Verma
Director, CMS

- Help with NGS coverage decision
- Data Sharing
- Discussions over enhanced coverage of clinical trials

Collaborating with DoD and VA

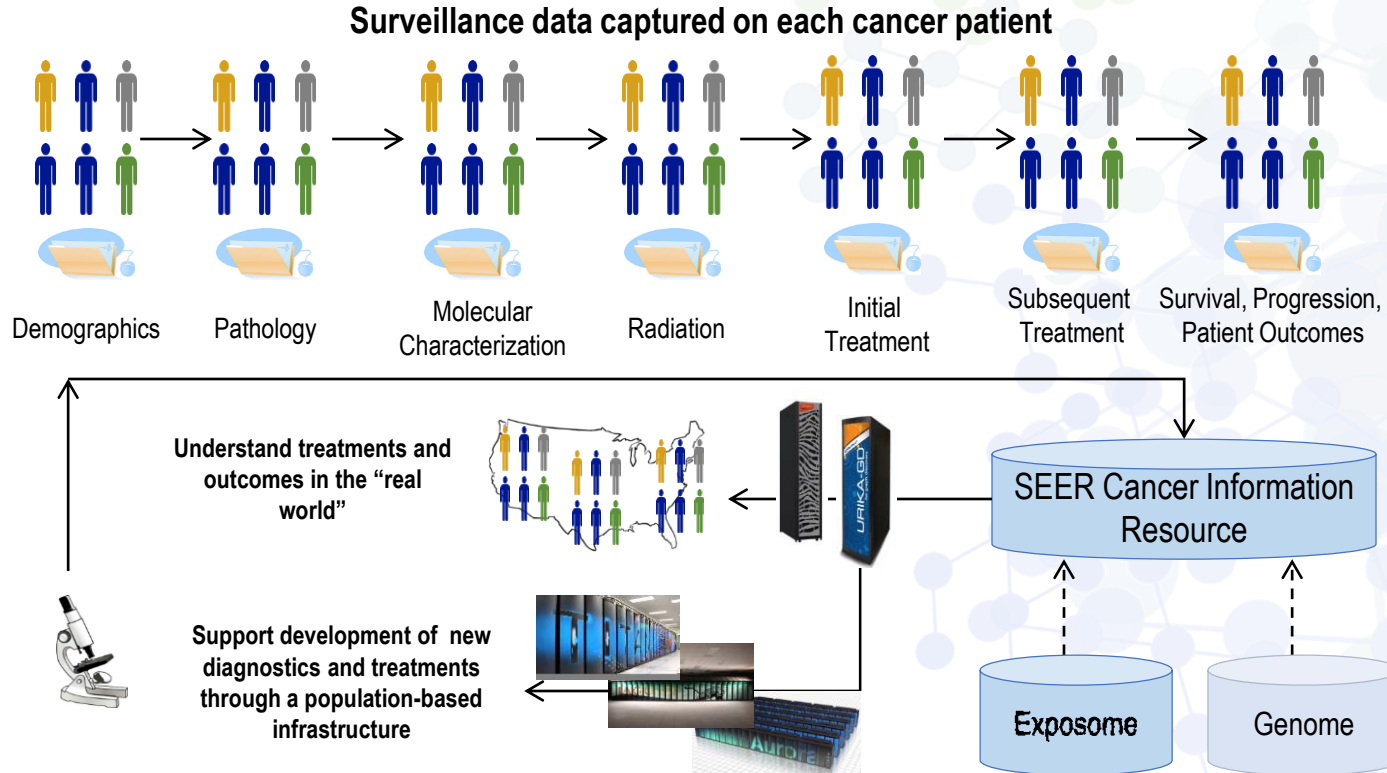


Collaborating with DoE: RAS Modeling



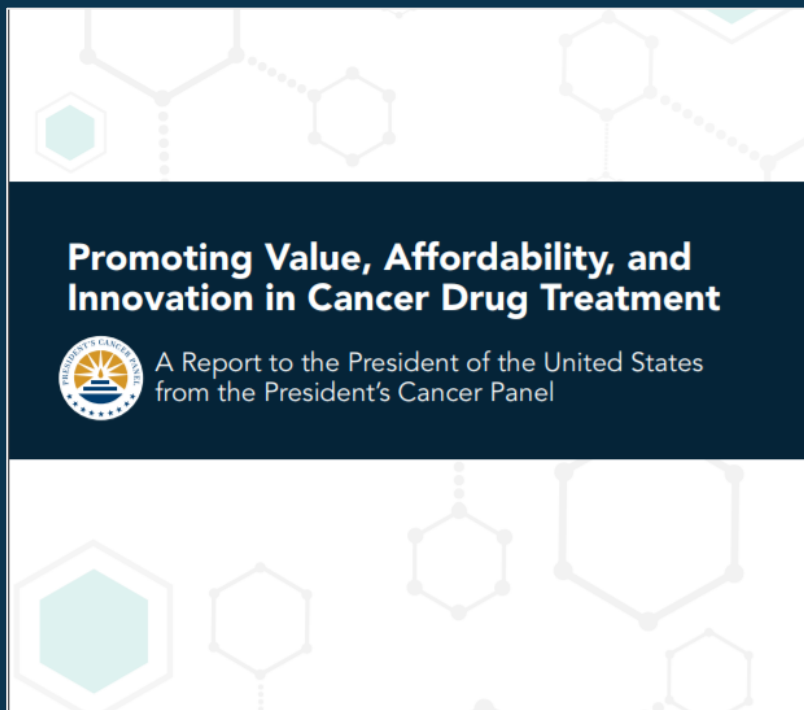
Collaborating with DoE: SEER

Natural Language Processing EHR Mining



President's Cancer Panel Report

March 2018



New NCAB Working Groups



Global Health

- Deborah Bruner, RN, PhD
Emory University
- Satish Gopal, MD
UNC Chapel Hill



SBIR / STTR

- Elizabeth Jaffee, MD
Johns Hopkins University
- Mel Billingsley, PhD
Pennsylvania State
University



Informatics

- Mia Levy, MD
Vanderbilt University
- Charles Sawyers, MD
Memorial Sloan Kettering
Cancer Center

Cancer Moonshot

Sept. 2016

Dec. 2016

Apr.-Jun. 2017

Fall 2017

Blue Ribbon Panel
Recommendations

NCI Teams, Leaders & BSA Develop
& Review Scientific Proposals Aligned
with BRP Recommendations

21st Century Cures Act
Authorized Funding for
Cancer Moonshot

\$300M Awarded
FY2018 FOAs Released

Cancer Moonshot FOAs

The screenshot displays the NIH National Cancer Institute website. The header includes the NIH logo and the text 'NATIONAL CANCER INSTITUTE'. Below the header is a navigation bar with links for '1-800-4-CANCER', 'Live Chat', 'Publications', and 'Dictionary'. A secondary navigation bar contains 'ABOUT CANCER', 'CANCER TYPES', 'RESEARCH', 'GRANTS & TRAINING', 'NEWS & EVENTS', 'ABOUT NCI', and a search box. The main content area is titled 'Cancer MoonshotSM - Funding Opportunities'. It features a left sidebar with a 'CANCER MOONSHOTSM' menu containing 'Blue Ribbon Panel', 'Implementation', 'Funding Opportunities' (highlighted), 'Public Access Policy', and 'Resources for FOAs'. The main text explains that funding opportunity announcements (FOAs) are listed below to highlight research initiatives aligned with the Cancer Moonshot. It notes that some may be supported by existing funds or the 21st Century Cures funding. A section titled 'Planning for implementation of longer-term scientific initiatives is also underway' states that the page will be updated as new opportunities arise, encouraging users to check back or sign up for automatic email updates. A light blue box contains the text: 'More information about the recently announced funding opportunities is available on the Cancer Moonshot Funding Resources page.' At the bottom, a note states: 'Please note that all publications and data resulting from Cancer Moonshot funded initiatives will be required to be immediately accessible. For more information, see the Cancer Moonshot Public Access and Data Sharing Policy.' An image on the right side of the page shows a graphic with the text 'FUNDING OPPORTUNITIES' and 'BLUE RIBBON PANEL RECOMMENDATIONS'.

- Close to **50** Funding Opportunity Announcements to date and more to come
- **6** intramural initiatives
- Requirements related to data sharing and health disparities/ underserved populations

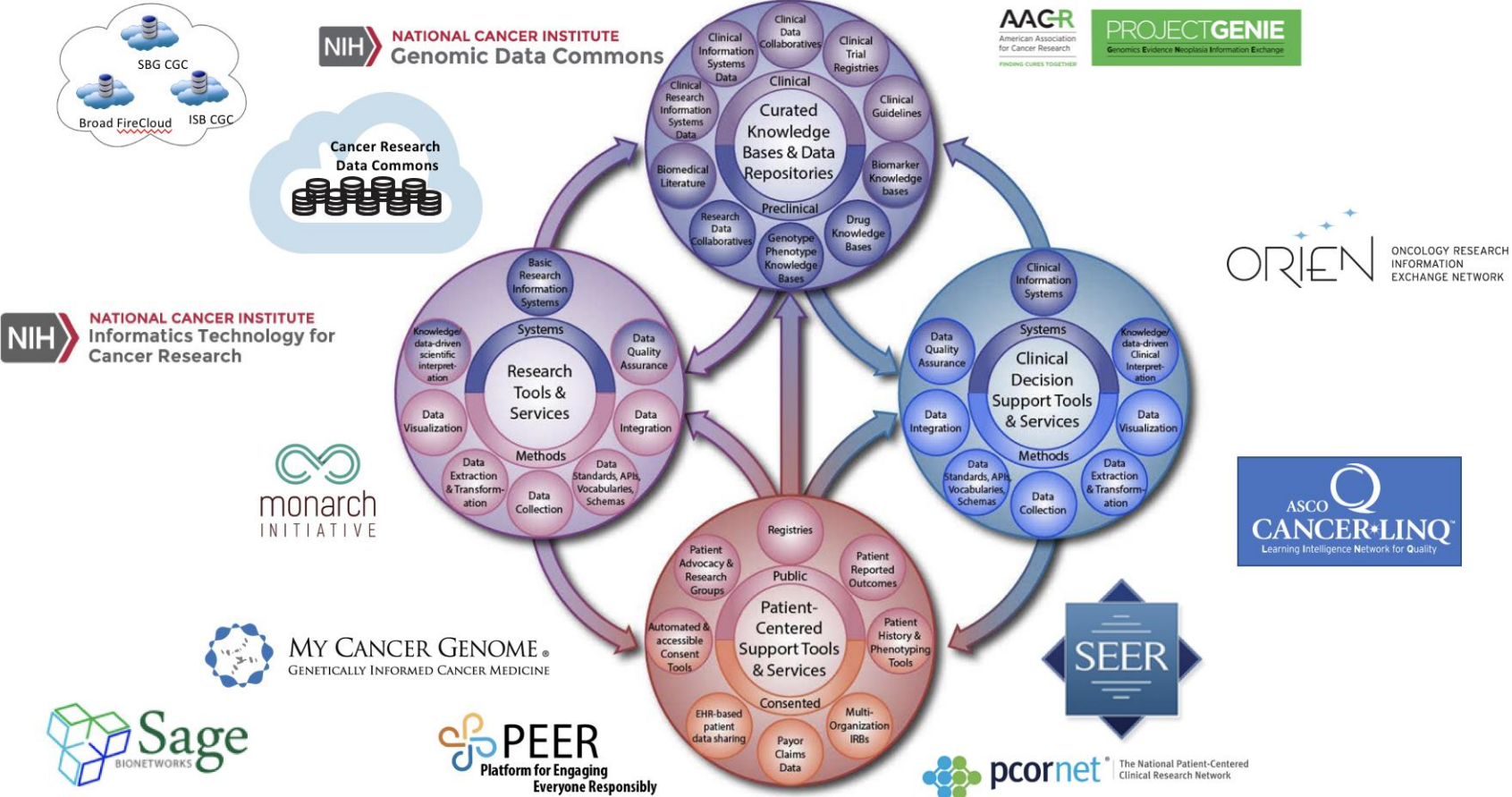
Recommendation D:

**A National Cancer Data
Ecosystem for Sharing
and Analysis**

Recommendation H:

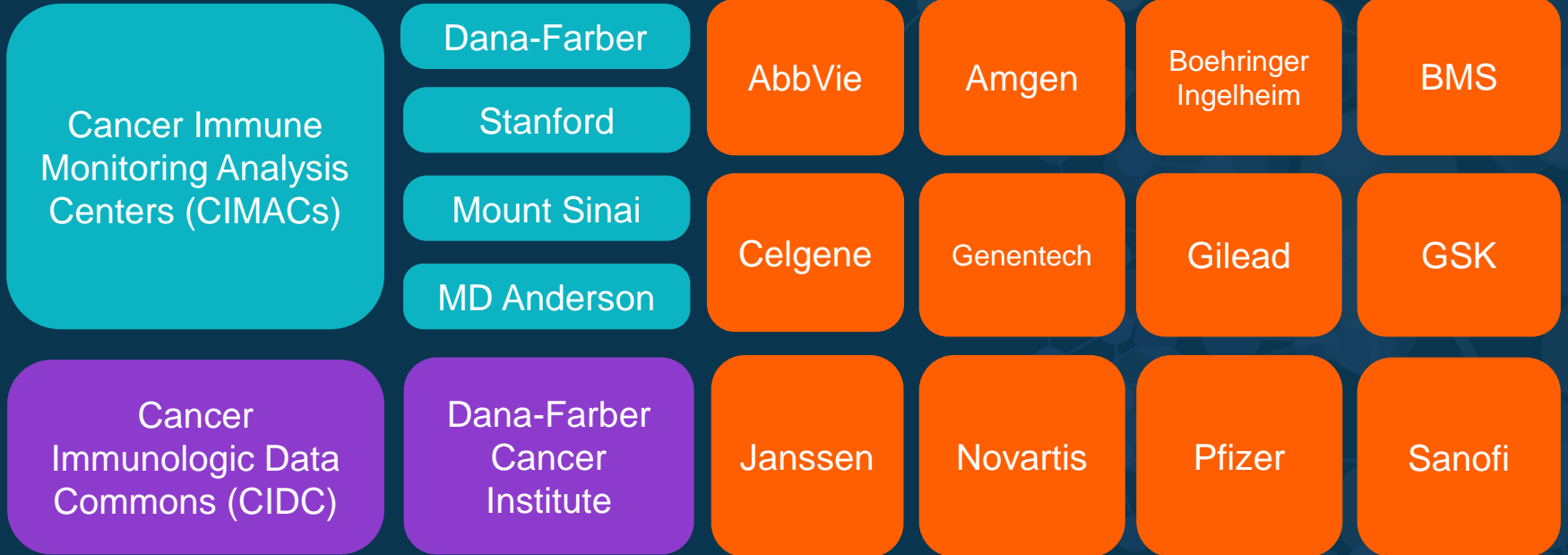
**Retrospective Analysis of
Biospecimens from Patients
Treated with Standard of Care**

Enhanced Data Sharing Working Group Recommendation: The Cancer Data Ecosystem



Partnership for Accelerating Cancer Therapies (PACT)

National Cancer Institute - Division of Cancer Treatment & Diagnosis



Two New Immunotherapy Networks

ADULT CANCERS

Immuno-Oncology
Translational
Network

(IOTN, U01)

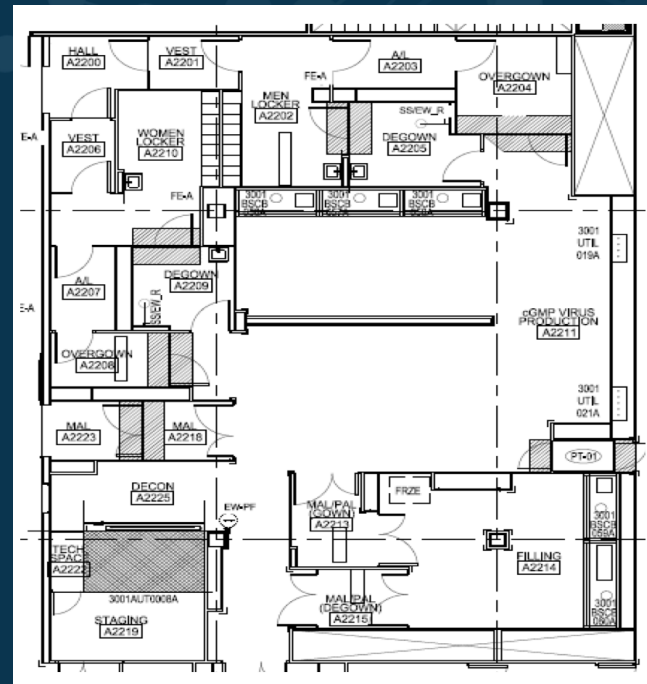
PEDIATRIC CANCERS

Pediatric
Immunotherapy
Discovery and
Development
Network

(PIDDN, U54)

Developing New Cell Therapy Facility at FNLCR

Addressing the Growing Need for Clinical Grade T-cell Manufacturing



Key Focus Areas

WORKFORCE DEVELOPMENT

Support the cancer research enterprise by focusing on the workforce of cancer investigators

BASIC SCIENCE

Reaffirm our commitment to basic science to drive novel approaches and technologies

BIG DATA

Increase data aggregation and interpretation to speed our work across the cancer enterprise

CLINICAL TRIALS

Fully realize the power of clinical trials through innovative design, administration, and analyses



Workforce Training & Development

#CancerTraining

- Ensure diversity and representation
- Encourage training of the right skills (Ks and Rs)
- Set aside R01 funding for early-stage investigators (ESIs)
- Method to Extend Research in Time (MERIT) – R37



Big Data

#BigData

-
- Support the linkage of existing datasets
 - Maintain a data ecosystem
 - Create common data standards
 - Incentivize sharing and aggregation

Today's Agenda

- **FNL: Current Operations & Future Plans**
- **National CRYO-EM Facility (NCEF) Update**
- **Overview of the NCI Experimental Therapeutics Program**
- **Role of Molecular Pharmacodynamics in both Drug Discovery & Development**
- **NCI's Early Therapeutic Trials Network: How We Move New Agents Into The Clinic**
- **Accelerating Therapeutics For Opportunities In Medicine (ATOM) Update**
- **NCI-DOE Collaborations Working Group Report**



RAS
Initiative



Cryo-EM





**NATIONAL
CANCER
INSTITUTE**

www.cancer.gov

www.cancer.gov/espanol