Report from the NCI Acting Director

Douglas R. Lowy
Acting Director, National Cancer Institute
National Institutes of Health

FNLAC Meeting
May 8, 2017
NCI APPROPRIATIONS 2013-2017 (in billions)

FY 2013: $4.82
FY 2014: $4.92
FY 2015: $4.95
FY 2016: $5.22
FY 2017: $5.39

+$300 million for Cancer Moonshot
Doug Lowy & Tony Fauci with Senator Roy Blunt & Congressman Tom Cole (May 2, 2017)
Research Program Grants (RPGs)

New RPG Awards (types 1 & 2): FY13 to FY16

Unsolicited & Solicited

Unsolicited

FY13 FY14 FY15 FY16
### Percent R01 and R21 Awards to ESI’s & NI’s (FY13-FY16)

<table>
<thead>
<tr>
<th></th>
<th>FY13</th>
<th>FY14</th>
<th>FY15</th>
<th>FY16</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>R01: All New Investigators</strong></td>
<td>25%</td>
<td>25%</td>
<td>20%</td>
<td>24%</td>
</tr>
<tr>
<td><strong>R01: Early Stage Investigators</strong></td>
<td>16%</td>
<td>15%</td>
<td>11%</td>
<td>13%</td>
</tr>
<tr>
<td><strong>R21: All New Investigators</strong></td>
<td>45%</td>
<td>40%</td>
<td>40%</td>
<td>40%</td>
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</table>
NCI/NIH BUDGET PROCESS FOR REGULAR APPROPRIATION

**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
CANCER MOONSHOT: AUTHORIZED FUNDING

Cures Dollars (in millions)

FY 2017: $300
FY 2018: $300
FY 2019: $400
FY 2020: $195
FY 2021: $195
FY 2022: $194
FY 2023: $216
<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>Cures Dollars (in millions)</th>
<th>Estimated First Year Awards (in millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>$300</td>
<td>$140</td>
</tr>
<tr>
<td>2018</td>
<td>$300</td>
<td>$105</td>
</tr>
<tr>
<td>2019</td>
<td>$400</td>
<td>$60</td>
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<td>2020</td>
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<td>2022</td>
<td>$194</td>
<td>$30</td>
</tr>
<tr>
<td>2023</td>
<td>$216</td>
<td>$25</td>
</tr>
</tbody>
</table>
CANCER MOONSHOT: IMPLEMENTATION

NOW
Cancer Moonshot implementation teams developing scientific proposals

MAY 2017
NCI Scientific Program Leaders review and recommend

JUNE 2017
Board of Scientific Advisors reviews and recommends

SEPT/OCT 2017
FY2018 FOAs to be released
ICPC (International Cancer Proteogenome Consortium)

10 MOUs / 11 countries / 18 institutions

**DATA SHARING PLEDGE** ...
“leading research centers that have pledged to make genomic & proteomic datasets available to the public to advance cancer care”

- **Australia**
  Team: Macquarie University, Children’s Medical Research Institute, Garvan Institute of Medical Research, and Bioplatforms Australia Ltd.

- **Canada/Germany**
  Team: McGill University, University of Victoria, University of British Columbia, and Leibniz Institute for Analytical Sciences

- **China**
  Team: Shanghai Institute of Materia Medica, Chinese Academy of Science, and Fudan University

- **Japan**
  Team: National Cancer Center Japan

- **South Korea**
  Team: Korea Institute of Science and Technology

- **Sweden**
  Team: Lund University

- **Switzerland**
  Team: ETH Zürich

- **Taiwan**
  Team: Academia Sinica

- **United Kingdom**
  Team: University of Manchester, and University of Dundee

- **United States**
  Team: NCI Clinical Proteomic Tumor Analysis Consortium
International Cancer Proteogenome Consortium
(San Diego CA March 19, 2017)