# Frederick National Laboratory for Cancer Research Update


***For the Joint Meeting of the***

***Board of Scientific Advisors &***

***National Cancer Advisory Board***

**Jennifer A. Pietenpol, Ph.D.**

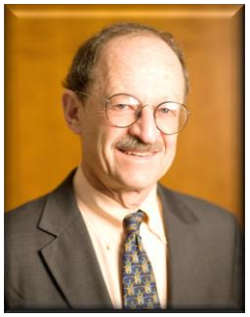
**June 25th, 2012**

Frederick National Laboratory for Cancer Research


# NCI-Frederick

- **Established in 1972, designated as a Federally Funded Research and Development Center (FFRDC) in 1975 – minimized barriers to non-federal partners; government-owned and contractor-operated**
- **Mission: Pursue innovative basic, applied and translational research leveraging technical expertise, physical infrastructure, and FFRDC status**
- **Majority of focus is cancer research (NCI) with some usage by NIAID (~16%) for research on infectious disease**
- **Main research areas currently: clinical trials support, drug development, vaccine development and genomics**


# Frederick National Laboratory for Cancer Research (FNLCR)



## Under Dr. Varmus' leadership:

- NCI participation in SAIC search and recruitment of David Heimbrook, Ph.D. as CEO of SAIC-Frederick in June 2011
- Established first external advisory board to review state of research on Frederick campus, as per recommendation of NCAB special report in 2010 - to give greater attention to activities at NCI-Frederick
- Designated facility as Frederick National Laboratory for Cancer Research


# NCI-Frederick Advisory Committee (NFAC)

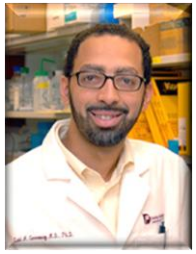
- **NFAC charge - review the state of research at FNLCR and make recommendations for the best use of its capabilities and infrastructure**
- **15 member committee**

**Zachary Hall, Ph.D.**
**Former Director, NINDS**
**Former President; Institute of Regenerative Medicine, UCSF**
**Emeritus Professor, UCSF**

**Chair**

**C. Barrett**

**D. Botstein**



**L. Garraway**

**J. Gray**

**B. Hahn**

**M. Justice**

**T. Look**

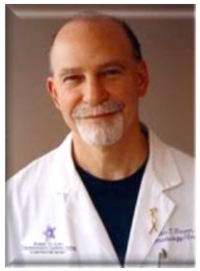
**L. Marnett**

**J. Mesirov**

**G. Nolan**

**K. Olden**

**J. Pietenpol**



**S. Rosen**

**C. Willman**


# NCI-Frederick Advisory Committee (NFAC)

## Organization meeting, August 31st, 2012

## First meeting, January 21st, 2012

- Develop a process for approval, prioritization and scientific oversight of contactor-CRADA projects
- Update on website development
- Establish program(s) to allow extramural investigators to learn about and use FNLCR advanced technologies and capabilities
- Develop a strategic plan to guide direction & activities

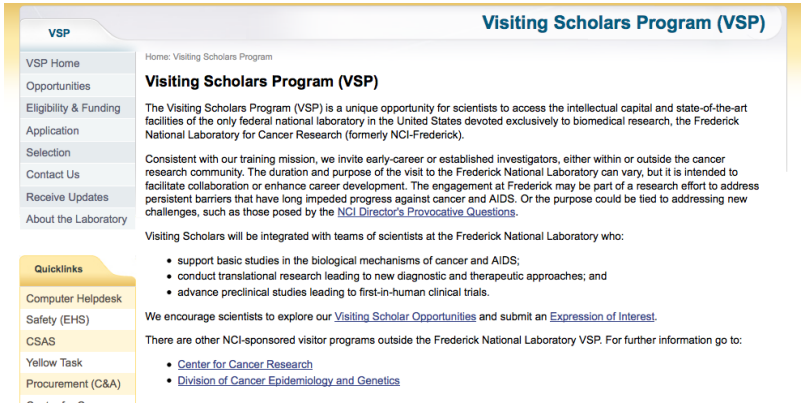

# NCI-Frederick Advisory Committee (NFAC)

## Second meeting, May 30th, 2012

- Opening of the Advanced Technology Research Facility (ATRF)

- Update on partnership efforts with Contractor-CRADA process at FNLCR

  Request to examine process for scientific review/prioritization




- FNLCR Visiting Scholars Program (VSP) developed

- Beginning of Strategic Discussions


# Strategic Directions

## *Expanding the Discussion*

## Working Sub-Groups recommendations (part I)

- **Optimize the use of FNLCR by NCI Divisions, Offices and Centers** - ***Carl Barrett*, Rick Borchelt, John Czajkowski, Jim Doroshow, Ed Harlow, Jeff Strathern, Bob Wiltrout***

- **Expand use of the FNLCR by other ICs, agencies, external investigators; build capabilities to do things things that are not done elsewhere** - ***Rick Borchelt, John Czajkowski, Jim Doroshow, Levi Garraway*, Ed Harlow, Bob Wiltrout***

- **Expand interactions between NCI and industry through ATRF and contract mechanisms** - ***Carl Barrett*, Sara Courtneidge, John Czajkowski, Jim Doroshow, Bob Wiltrout, Bob Wittes***

****NFAC Committee Member***


# Strategic Directions

## *Expanding the Discussion*

## Working Sub-Groups recommendations (part II)

- **Structural changes: identify critical improvement to remove hazards; campus upgrades and redesigns when affordable** - ***Rick Borchelt, John Czajkowski, Kevin Cullin, Jeff Strathern, Bob Wiltrout***

- **Enhance Communications with NIH, DHHS, and extramural researchers who can benefit from FNLCR** - ***Rick Borchelt, John Czajkowski, Doug Lowy, Anne Lubenow, Bob Wittes***

- **Expand and coordinate education and training programs** - ***Rick Borchelt, John Czajkowski, Kevin Cullin, Jim Doroshow, Doug Lowy, Jeff Strathern, Jonathan Wiest, Bob Wiltrout***

- **Opportunity to rapidly advance new initiatives** – **NFAC suggested pursuit of "big idea(s)" – would have significant impact on cancer control**


# Frederick National Laboratory for Cancer Research

*Summary of Discussions*

## Defining Characteristics of FNLCR

- **Unique combination of scientific expertise;** breadth of operational capacity to serve all aspects of applied biology – from basic to FDA regulatory environment
- **Agile;** adapt rapidly to changes in NCI priorities
- **Special relationships;** integrate government agencies, extramural, and industry partners
- **Gateway to government assistance;** access to technologies, contractor expertise, project management

Frederick National Laboratory for Cancer Research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## *Summary of Discussions*

## Operational pillars at FNLCR

- Integrated resources
- Support for Product/Project Development
- Training and Education
- Partnership facilitation

**Examples**



Visiting Scholars Program (VSP)


# Frederick National Laboratory for Cancer Research

## *Conclusions*

- **Designation as a National Laboratory**
- **Opportunity to be strategic in future directions and activities in order to meet the demands of the national cancer program**
- **A facility to enable technology and resource development and deployment to cancer research community; amplifying effect on science in the intramural, extramural and private sector communities through creative ventures**
- **Site for external community participation – educational programs leveraging top-notch research programs**
- **Opportunity to rapidly advance new bold initiatives – NFAC suggested pursuit of "big idea(s)" - lead to significant advances in cancer prevention, treatment or control**


# Discussion