



**Maximizing the Goals of the Cures Acceleration Network to Accelerate the Development of New Drugs and Diagnostics: An Institute of Medicine Workshop**

**DRAFT AGENDA**

**June 4–5, 2012**

**National Academy of Sciences  
Keck Building, Room 100  
500 5<sup>th</sup> Street, N.W.  
Washington, DC 20001**

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**Background and Meeting Objectives:**

Recent years have seen both extraordinary opportunity and complex challenges in pharmaceutical innovation. New biomedical technology platforms are creating novel avenues for research and new opportunities for the discovery and clinical development of innovative diagnostics and therapies. Yet despite these advances, the pathway from basic science to new therapeutics faces challenges on many fronts. The translational divide results in only a small fraction of investigational new drugs reaching FDA approval and the patients who need them. New paradigms for discovering and developing drugs are being sought to bridge the ever-widening gap between scientific discoveries and translation of those discoveries into life-changing medications. New collaborative approaches within the federal agencies, academia, and industry are directing focused attention on the advancement of the drug development enterprise. Among these initiatives is the Cures Acceleration Network (CAN), which was originally authorized in the Patient Protection and Affordable Care Act (P.L. 111-148) and was subsequently amended by the Consolidated Appropriations Act, FY 2012 (P.L. 112-74), which moved CAN to the newly authorized National Center for Advancing Translational Sciences (NCATS).

This public workshop will consider options and opportunities to maximize the usefulness and impact of the CAN program in order to advance translational sciences. In addition to providing suggestions to NCATS, the workshop is, in part, in response to Congressional interest in CAN expressed in the FY 2012 appropriations act conference report. The workshop will inform NIH/NCATS in its efforts to implement CAN and advance translational sciences, and will also inform the public, policy community, and other stakeholders as all of these parties continue to work to enhance the development and testing of therapies and diagnostics to patients. The summary will be provided to NCATS and the newly established CAN Board to help it identify ways to accelerate and expand the number of cures.

**The workshop objectives are to:**

- Identify and catalog potential tools, methods, and approaches that hold promise for accelerating translational science.
  - Consideration of such promising approaches will draw from the experiences of existing activities at other federal agencies related to the goals of CAN (e.g., FDA, CDC, AHRQ).
- Discuss the authorities conferred to CAN and identify strategies for effectively using those authorities.
  - Consideration of the CAN authorities will specifically explore the flexible research, or “other transactions”, authority and will reference existing efforts in which such authority is currently applied across other federal agencies (e.g., DARPA, DTRA, BARDA).
- Explore promising models for public-private collaborations that could be strengthened or facilitated by activities under CAN.
  - Discuss barriers to such collaborations and identify opportunities and potential solutions for moving past the identified barriers.
  - Discuss the respective roles of multiple sectors, including, e.g., biopharma, biotech, venture capital/private equity, and patient/disease advocacy.
- Identify barriers and potential solutions to facilitate coordination of activities under CAN with the FDA regulatory review process and timelines.

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**Day One**

8:30 a.m.      Opening Remarks

*Workshop Co-Chairs*CAROLYN COMPTON  
President and Chief Executive Officer  
Critical Path InstituteLOUIS DEGENNARO  
Executive Vice President and Chief Mission Officer  
The Leukemia & Lymphoma Society



**SESSION I: OVERVIEW OF NIH TRANSLATIONAL SCIENCES AND THE CURES ACCELERATION NETWORK**

Session Objectives:

- Provide an overview of the translational science initiatives at NIH.
- Provide an overview and description of the Cures Acceleration Network program goals and authorities.

8:40 a.m. Background and Session Objectives

SUDIP PARIKH, *Session Chair*  
Vice President, Health Policy  
Managing Director  
Centers for Public Health Research & Evaluation  
Battelle Health & Life Sciences

8:45 a.m. **Keynote Address: Introduction to NCATS and Overview of Translational Science Initiatives and CAN**

TOM INSEL  
Acting Director  
National Center for Advancing Translational Sciences  
National Institutes of Health

9:05 a.m. **Plenary Discussion: Introduction to CAN Authorities**

LILI PORTILLA  
Director, Office of Strategic Alliances  
National Center for Advancing Translational Sciences  
National Institutes of Health

BARBARA MCGAREY  
Deputy Associate General Counsel for Public Health  
Office of General Counsel  
National Institutes of Health

KATHY HUDSON  
Acting Deputy Director, NCATS  
Deputy Director for Science, Outreach, and Policy, NIH Office of the Director  
National Institutes of Health

9:25 a.m. **Discussion with Speakers and Audience:**

- Relationship of CAN to NCATS, other NIH Institutes/Centers
- Identification of types of activities that are likely to be undertaken under CAN
- Discussion of role of CAN Board



**SESSION II: APPROACHES TO ACCELERATING TRANSLATIONAL SCIENCE**

Session Objectives:

- Through discussion of case examples and other mechanisms, identify potential approaches that hold promise for accelerating translational science, highlighting approaches that could potentially benefit from the new CAN authorities.
- Discuss and identify attributes of success stories and failures.

9:45 a.m. Background and Session Objectives

BILL CHIN, *Session Chair*  
Executive Dean for Research  
Harvard Medical School

9:50 a.m. **Opening Plenary: Challenges and Needs in Translational Science – Industry Perspective**

JOSHUA BOGER  
Founder, Vertex Pharmaceuticals

10:10 a.m. **Opening Plenary: Challenges and Needs in Translational Science – Academic Perspective**

R. SANDERS WILLIAMS  
President  
The Gladstone Institutes  
University of California, San Francisco

10:30 a.m. BREAK

10:45 a.m. **Brief Presentations: Product Development/Commercialization Efforts**

JAMES BRADNER  
Assistant Professor, Harvard Medical School  
Instructor in Medicine, Dana-Farber Cancer Institute

STEPHEN SEILER  
Founder and Chief Executive Officer  
AesRx

LOUIS DEGENNARO  
Executive Vice President and Chief Mission Officer  
The Leukemia & Lymphoma Society



- 11:25 a.m.     **Discussion with Speakers and Audience:**
- What are the translational science needs?
  - What approaches have failed with existing authorities? What can we learn from these failures?
  - What approaches/efforts could potentially benefit from new CAN authorities?

12:05 p.m.     LUNCH

**SESSION III: APPLICATION OF MATCHING AUTHORITY**

Session Objectives:

- Explore existing efforts in which the matching authority, or similar match-type requirement, is currently applied across other federal and state agencies.
- Examine benefits and advances that have been achieved through use of this authority.
- Discuss how barriers to application and use of those authorities have been overcome.

12:35 p.m.     Background and Session Objectives

NANCY SUNG  
Senior Program Officer  
Burroughs Wellcome Fund

12:40 p.m.     **Series of Brief Presentations: Application of “Matching” or Similar Authority**

MICHAEL WEINGARTEN  
Director, SBIR Development Center  
National Cancer Institute  
National Institutes of Health

KRISTEN DOYLE  
General Counsel  
Cancer Prevention and Research Institute of Texas

ELLEN FEIGAL  
Senior Vice President, Research & Development  
California Institute for Regenerative Medicine

1:25 p.m.     **Panel Discussion with “Matchers”**

JENS ECKSTEIN  
President, SR One  
GlaxoSmithKline



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MARTIN LEHR  
Osage Partners

MICHAEL GUTCH  
Managing Director  
MedImmune Ventures

**Issues for Discussion:**

- What are the necessary conditions for the matching program to encourage and successfully de-risk investment decisions on part of matching funders?

2:00 p.m. **Discussion with Speakers and Audience**

**Issues for Discussion:**

- What are the lessons learned from previous experiences?
- What are the respective roles of the various sectors (e.g., biopharma/biotech, venture capital/private equity, and patient/disease advocacy)?
- What are models for public-private collaborations that could be strengthened or facilitated by the matching authority? What are the barriers and opportunities and potential solutions for moving past those barriers?

2:30 p.m. BREAK

**SESSION IV: APPLICATION OF FLEXIBLE RESEARCH AUTHORITY**

Session Objectives:

- Explore existing efforts in which the flexible research (or similar) authority is currently applied across other federal agencies.
- Examine benefits and advances that have been achieved through use of these authorities.
- Discuss how barriers to application and use of those authorities have been overcome.

2:50 p.m. Background and Session Objectives

WILLIAM WARREN, *Session Chair*  
Vice President, VaxDesign Campus  
Sanofi Pasteur

2:55 p.m. **Series of Presentations: Agencies**

SCOTT ULREY  
Deputy Director, Contracts Management Office  
Defense Advanced Research Projects Agency  
Department of Defense



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JASON PARAGAS  
Special Assistant to the Director  
Defense Threat Reduction Agency  
Department of Defense

GERALD KOVACS  
Director, Division of Chemical, Biological, Radiological, and Nuclear  
Countermeasures  
Biomedical Advanced Research and Development Authority  
Office of the Assistant Secretary for Preparedness and Response

PEDER MAARBJERG  
Assistant Director for External Communication  
Advanced Research Projects Agency – Energy (ARPA-E)  
Department of Energy

4:15 p.m. **Panel Discussion with Speakers, Discussants, and Audience: Comparing Flexible Research Authority to Existing NIH Authorities**

***Discussants:***

DAN WATTENDORF  
Program Manager, Defense Sciences Office  
Defense Advanced Research Projects Agency

ROBI BLUMENSTEIN  
President  
CHDI Management

**Issues for Discussion:**

- How can the other transactions authority (OTA) be most effectively applied in the biomedical/life sciences space?
  - What kind of science/projects should be funded under exercise of OTA? What are the attributes of a promising project or science?
  - How should the research needs be defined and executed?
- What are potential barriers that could impede the successful exercise of the OTA by NCATS/CAN? How can these barriers be overcome?
- What are the conditions for success?
- What are the respective roles of the various sectors (e.g., biopharma/biotech, venture capital/private equity, and patient/disease advocacy)?
- What are models for public-private collaborations that could be strengthened or facilitated by the flexible research authority? What are the barriers and opportunities and potential solutions for moving past those barriers?



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**5:30 p.m.      Adjourn day 1**





**Maximizing the Goals of the Cures Acceleration Network to Accelerate the Development of New Drugs and Diagnostics**

**June 5, 2012**

8:20 a.m. Welcome and Introductions

*Workshop Co-Chairs*

CAROLYN COMPTON  
President and Chief Executive Officer  
Critical Path Institute

LOUIS DEGENNARO  
Executive Vice President and Chief Mission Officer  
The Leukemia & Lymphoma Society

**SESSION V: SITUATING CAN WITHIN THE DRUG DEVELOPMENT ECOSYSTEM**

Session Objectives:

- Identify potential approaches to facilitate coordination of activities under CAN with FDA regulatory science initiatives and activities.
- Discuss existing activities in multiple sectors and address ways to maximize CAN impact in the drug development ecosystem.
- Explore promising models for public-private collaborations that could be strengthened or facilitated by activities under CAN. Discuss barriers to such collaborations and identify opportunities and potential solutions for moving past the identified barriers.

8:30 a.m. Background and Session Objectives

MARGARET ANDERSON, *Session Chair*  
Executive Director  
FasterCures

8:35 a.m. **FDA Presentations: Intersection of CAN with FDA Regulatory Science Initiatives and Activities**

JESSE GOODMAN  
Chief Scientist, Food and Drug Administration

SHAAVHRÉE BUCKMAN-GARNER  
Director, Office of Translational Sciences  
Center for Drug Evaluation and Research  
Food and Drug Administration



9:05 **Roundtable Discussion: Identification and Discussion of Regulatory Science Priorities That Are Important for Drug Development**

*Panelists*

SHAAVHRÉE BUCKMAN-GARNER  
Director, Office of Translational Sciences  
Center for Drug Evaluation and Research  
Food and Drug Administration

ELIZABETH MANSFIELD  
Director, Personalized Medicine, Office of In Vitro Diagnostics  
Center for Devices and Radiological Health  
Food and Drug Administration

THOMAS KALIL  
Deputy Director for Policy  
Office of Science and Technology Policy  
Executive Office of the President

CAROLYN COMPTON  
President and Chief Executive Officer  
Critical Path Institute

GARRY NEIL  
Corporate Vice President, Science and Technology  
Johnson & Johnson

*Panel Moderator:*

MARGARET ANDERSON  
Executive Director  
FasterCures

9:45 a.m. **Roundtable Discussion: Role of CAN in Advancing Cross-Sector and Other Collaborative Translational Science Activities**

*Panelists*

ELLEN SIGAL  
Founder and Chair  
Friends of Cancer Research

Board on Health Sciences Policy

*Forum on Drug Discovery, Development, and Translation*

DAVID WHOLLEY  
Director, Biomarkers Consortium  
Foundation for the NIH

JANE REESE-COULBOURNE  
Executive Director  
Reagan-Udall Foundation for FDA

FREDA LEWIS-HALL  
Chief Medical Officer  
Pfizer Inc.

DOUG THROCKMORTON  
Deputy Director  
Center for Drug Evaluation and Research

***Panel Moderator:***

MYRL WEINBERG  
President  
National Health Council

**Issues for Discussion:**

- Coordination of efforts across funding agencies/sources (e.g., HHS, DoD, NGOs, industry) and with other established partners in translational research activities (e.g., FNIH, Reagan-Udall Foundation, C-Path), and reduction of duplication.
- Implications of CAN for academic translational science – career paths, funding opportunities, etc.

10:30 a.m. BREAK

**SESSION VI: CONCLUDING PANEL DISCUSSION: PRINCIPLES FOR  
DEPLOYMENT OF CAN AUTHORITIES**

Session Objectives:

- Discuss key themes from the workshop.
- Based on workshop presentations and discussions, identify principles for deployment of CAN authorities.

10:45 a.m. Closing Discussion with Panelists and Audience: Led by Workshop Co-Chair(s)

CAROLYN COMPTON  
President and Chief Executive Officer  
Critical Path Institute



LOUIS DEGENNARO  
Executive Vice President and Chief Mission Officer  
The Leukemia & Lymphoma Society

10:50 a.m. **Presentation of Key Themes/Suggested Paths from Workshop Session Chairs**

SUDIP PARIKH, *Session I Chair*  
Vice President, Health Policy  
Battelle Memorial Institute

BILL CHIN, *Session II Chair*  
Executive Dean for Research  
Harvard Medical School

NANCY SUNG, *Session III Chair*  
Senior Program Officer  
Burroughs Wellcome Fund

DAN WATTENDORF, *Session IV Rapporteur*  
Program Manager, Defense Sciences Office  
Defense Advanced Research Projects Agency

MARGARET ANDERSON, *Session V Chair*  
Executive Director  
FasterCures

11:40 a.m. **Reflecting on Potential Approaches to Maximize the Goals of CAN: Panel Discussion with Session Chairs, Panelists, and Audience**

*Discussants*

JOSHUA BOGER  
Founder, Vertex Pharmaceuticals

KATHY HUDSON  
Acting Deputy Director, NCATS  
Deputy Director for Science, Outreach, and Policy, NIH Office of the Director  
National Institutes of Health

CAROL MIMURA  
Assistant Vice Chancellor for Intellectual Property & Industry Research Alliances  
University of California, Berkeley



ROBERT O'NEILL  
Senior Statistical Advisor  
Center for Drug Evaluation and Research  
Food and Drug Administration

12:20 p.m.    **Closing Observations from NCATS**

KATHY HUDSON  
Acting Deputy Director, NCATS  
Deputy Director for Science, Outreach, and Policy, NIH Office of the Director  
National Institutes of Health

12:30 p.m.    **ADJOURN**