

Gregory J. Downing, D.O., Ph.D.

(202) 790-1885 | gregory.downing@innovationhorizons.net | www.innovationhorizons.net

Innovative Leader - Transforming Ideas into Action

Dr. Downing applies his knowledge, time and expertise in identifying, creating, and building opportunities for transformative innovation at the intersection of government, private, and public resources. He has led innovative programs throughout his career in government. He founded and led the charge of launching the Health and Human Services (HHS) IDEA Lab developing an innovation and entrepreneurship practice. His dual-role insights into the Washington D.C. government processes, combined with his own medical (pediatric) practice gives him great insights into the interfaces between the government and private sector. Dr. Downing enables innovators to create successful strategies for taking proven technology and processes solutions into the health care marketplace.

- Strategic Direction
- Innovation
- Business Planning
- Leadership
- Influence
- Healthcare Data
- Business Models
- Visionary

Areas of Expertise

Visionary in Harnessing Technology: Dr. Downing has been able to bring the benefits of new research and technology to the forefront and identified ways to positively impact health economics within a patient centered model.

Building Innovative Business Models: Launched the Health Data Consortium in partnership with business and non-government organizations to promote the creative use of health data. Manages HHS IDEA Lab – a highly acclaimed innovation hub to support government modernization.

Leveraging Data in New Ways: Senior advisor to the Secretary and deputy Secretary on health data activities, open innovation, and entrepreneurship – acts as liaison to the Executive Office of the President.

Professional Highlights

- ✓ Acts as Executive Producer and co-chair of the annual Health Datapalooza, a national conference featuring innovative applications of data from 2010 to present
- ✓ Chaired numerous committees on biomedical initiatives to coordinate efforts and input of federal agencies, working in collaboration with pharmaceutical and biotechnology companies, advocacy organizations, and the scientific community.
- ✓ Widely published with more than 80 articles in medical and scientific journals and books
- ✓ Board-certified in pediatrics and active in maternal-child healthcare with over 30 years of practice
- ✓ Delivered a talk on Idea Labs at the Business Innovation Factory and SXSW on Open Data in Healthcare
- ✓ Since 2009, he has led the Health Data Initiative at HHS advocating for the liberation and creative use of data to support innovation.

Selected Credentials, Awards, and Qualifications

- Coriell Institute for Medical Research Public Policy Award for Personalized Medicine, 2014
- Public Service Award for Personalized Medicine by Harvard Medical School, 2013
- HHS Secretary's 50/250 Award, 2008
- NIH Director's Management Award for Government Performance & Results Act Performance, 2006
- NCI Director's Gold Star Leadership Award, 2005
- NIH Director's Management Award for Government Performance & Results Act Performance, 2005
- Aspen Institute Executive Seminar, 2001
- 2004 NIH Director's Award for Osteoarthritis Initiative 2001

Education

- University of Kansas, Kansas City, KS Doctor of Philosophy in Pharmacology, with Honors, 1994
- Michigan State University, College of Osteopathic Medicine, Doctor of Osteopathy, 1984
- Ferris State University, Bachelor of Science in Pharmacy, with High Honors, 1980
- Harvard University Kennedy School of Government, Leadership, Management, Negotiation 1998

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Professional Expertise

Innovation Horizons, LLC, Washington, D.C.

2016-Present

Founder

With extensive leadership experiences in health and government innovation, we provide our clients with proven strategies and marketplace analysis to enable successful translation and adoption of promising technologies and care delivery processes into the complex and evolving healthcare system.

- Enabled startup health care data and technology companies with early stage market development
- Conducted analysis of health care marketplace for provider groups with innovative practices

Department of Health and Human Services

2006-2017

Executive Director for Innovation

In working with the Chief Technology Officer and the Deputy Secretary, HHS, coordinates the HHS Innovation Council Activities which advises the Secretary on cross-cutting issues to promote innovation in health and health care. Leads policy development, planning, and program coordination activities for entrepreneurship, and innovative technologies in health and health care across HHS.

- Coordinates six innovation programs for 4 Cabinet Secretaries that modernize HHS business practices through innovation and entrepreneurship practices, co-founded HHS IDEA Lab.
- Lead initiatives across HHS on advocating open data and innovation strategies including coordinating infrastructure development, training and education, management and finances for innovation activities
- Serves as HHS representative to Office of Science and Technology Policy for Open Government, Entrepreneurship, and Innovation activities.
- Acknowledged for leadership in innovative practices in open data and use of information technology platforms to improve health and health care

Office of Director, National Cancer Institute, Bethesda, MD

2002 – 2007

Director, Center for Strategic Science and Technology Initiatives (2004 – 2007)

Director, Office of Technology and Industrial Relations (2002 – 2007)

Performed oversight, planning, and management of technology program areas to include small business, biomedical nanotechnology, clinical proteomics, large-scale genomics, and clinical biospecimens.

- Designed and implemented successful public-partnership programs to ensure critical information reached patients and families, health care professionals, and general public.
- Formulated and managed \$500M R&D annual budgets for technology development, ensuring program efficiency and measurable performance under Government Performance and Results Act.

Office of Director, National Institutes of Health, Bethesda, MD

1997 -- 2002

Special Assistant to Deputy Director for Extramural Research (2001 – 2002)

Assigned by NIH Director to lead transition from stem cell research policy to implementation of research activities across NIH Institutes and Centers. Provided technical assistance on grants management for stem cell research, cloning, and related technologies.

- Co-chaired NIH Human Embryonic Stem Cell Research Implementation Committee.
- Presented formally, created white papers, and published book chapter and journal articles to educate the scientific community, health advocacy organizations, and members of Congress.
- Coordinated communications with international scientists and governments (Sweden, India, Korea, Israel, Canada, Germany, Australia, and Singapore) on stem cell research implementation strategies and funding opportunities.

Office of Science Policy and Planning, Office of Science Policy, NIH

1997 – 2000

Deputy Director (2000 – 2002) Health Science Policy Analyst (1997 – 2000)