



## **Frederic Bertley, Ph.D.**

**President and CEO:** Center of Science and Industry (COSI)

**CEO (Interim):** National Veterans Memorial and Museum (NVMM)

Dr. Bertley is a renowned, civic-minded leader, strategist, innovator, scientist, educator, and communicator. Currently he is the fifth President and CEO of the Center of Science and Industry (COSI). In addition, he serves as the second CEO (Interim) of the National Veterans Memorial and Museum (NVMM).

In his role at COSI, Dr. Bertley works incessantly towards elevating science literacy globally, helping reimagine the STEM workforce development pipeline for the nation and creating engaging, empathetic and innovative citizens.

As interim CEO of the National Veterans Memorial and Museum (NVMM), Dr. Bertley is leading the national museum through a transformational phase to continue to honor and celebrate the lives of Veterans, their families, and our community. The primary focus is developing a Strategic Plan, expanding programmatic potential, building in operational efficiencies and setting NVMM to have a broader impact in the regional and national landscape. Moreover, through Dr. Bertley's leadership vision of NVMM is expanded to underscore the importance of service for the nation, best exemplified by veterans, as well as other society sectors.

Dr. Bertley's drive to innovate has elevated COSI's on-site science museum experience, as well as taken COSI beyond Central Ohio, with programming across the United States and around the world. His leadership has led to highly engaging experiences including the COSI Science Festival, The Color of Science™ and EiPIC™ programs, as well as the celebrated COSI Connects STEM Kit Learning Lunchboxes. Dr. Bertley co-created and hosted the prime-time television show *QED with Dr. B*, in partnership with PBS-WOSU Public Media. He also created the animated online series, *Dr. B in 3*.

Dr. Bertley has won numerous prestigious awards some of which include:

- Three (3) Honorary Doctorates (McGill University, Otterbein University, Columbus State)
- National Medal (IMLS-White House)
- Eleven (11) EMMY® Awards.
- Four-time #1 Science Museum in the nation (USA Today)
- President's Medal (The Ohio State University)
- Dell's 100 Most Innovative Individuals
- Blooloo 50 Museum Influencer (UK)
- CEO of The Year (Columbus CEO)
- Four-time commencement speaker (McGill, OSU, Otterbein, Columbus State)
- The Spirit of Columbus Award
- George Washington Carver Award for Science Engagement (City of Philadelphia)

Dr. Bertley recognizes the importance of service. Some of his board service includes:

- National Academies of Sciences, Engineering, and Medicine (NAS);
- The Ohio State National Science Foundation Engineering Research Visioning Alliance (eRVA);
- The Ohio State College of Engineering Dean's Advisory Board;
- American Alliance of Museums (AAM);

- Redpath Natural History Museum;
- Columbus Regional Airport Authority (CRAA);
- Downtown Columbus (DC);
- The Caribbean Science Foundation (CSF);
- Inquiry Schools.

In addition to his nonprofit service, Bertley sits on the Board of Directors of:

- Park National Corporation
- Park National Bank
- White Castle, Inc.

Dr. Bertley earned a bachelor's in physiology, mathematics and the history of science as well as a doctorate in immunology, both from McGill University. He completed a Post-Doctoral Research Fellowship at Harvard Medical School and MIT, working on the development of DNA vaccines for HIV/AIDS. His global health work includes preventative medicine and basic vaccines in Haiti, Sudan and the Canadian Arctic. His international STEM education impact includes programs in Barbados, Dominica, Egypt, England, India, Italy, Japan, Malta, Paraguay, Senegal, and UAE.

Dr. Bertley has presented at distinguished institutions nationally and internationally including The United Nations, The White House, the National Academy of Sciences, NASA as well as internationally across Africa, Europe, South America and the Caribbean, as well as at top universities around the world. He also frequently publishes in major news and communication outlets exemplified in a recent series in Fast Company:

- *We need a national STEM Act to stem the risk of a declining America*  
<https://www.fastcompany.com/91213462/we-need-a-national-stem-act-to-stem-the-risk-of-a-declining-america>
- *STEM needs more than an eclipse moment*  
<https://www.fastcompany.com/91087410/stem-needs-more-than-an-eclipse-moment>
- *Museums shouldn't be fighting with billionaires over extinct species*  
<https://www.fastcompany.com/91163803/museums-shouldnt-be-fighting-with-billionaires-over-extinct-species>
- *How AI chatbots can win over crackpots*  
<https://www.fastcompany.com/91203559/how-chatbots-can-win-over-crackpots>
- *Science just brought us one step closer to solving a billion-year-old mystery*  
<https://www.fastcompany.com/91189695/science-just-brought-us-one-step-closer-to-solving-a-billion-year-mystery>
- *Solar eclipse explained: What's happening to the sun, and why are people so excited*  
<https://www.fastcompany.com/91065910/solar-eclipse-explained-whats-happening-to-the-sun-and-why-are-people-so-excited>