

Director of Environmental Science Cyberinfrastructure
National Institute of Environmental Health Sciences
National Institutes of Health
Department of Health and Human Services

The National Institute of Environmental Health Sciences (NIEHS), a component of the National Institutes of Health (NIH) and the Department of Health and Human Services (DHHS), is seeking exceptional candidates for the position of the Director of Environmental Science Cyberinfrastructure (DESC). The DESC will have primary responsibility for aligning the current and future cyberinfrastructure needs of NIEHS with overall scientific priorities in the field of environmental health sciences. The DESC will develop, implement, and coordinate a multitude of resource environments in information technology and scientific computing to support and propel a wide array of current and future scientific research opportunities at NIEHS.

The DESC will work closely with NIEHS intramural and extramural research communities that are generating large volumes of diverse and complex data, including genomics, epigenomics, proteomics, chemical screening, metabolomics, cellular and molecular imaging, protein and molecular structures, toxicology with associated animal breeding and management data, and epidemiology. These data, along with those data found within electronic medical records, are collectively being used to enhance our knowledge of the impacts of environmental exposures on health and to better understand the mechanisms of action and exposure windows of susceptibility to various agents.

The DESC will manage the Office of Environmental Science Cyberinfrastructure (OESC) located within the NIEHS Office of the Director (OD). The DESC will be responsible for providing executive and managerial leadership within a matrix organizational framework for four key functional groups. The scope of activities covers all IT services and support for the cyberinfrastructure at NIEHS, including scientific computing, data science, enterprise IT, and web-based communication and social media. As a senior leader at NIEHS, the DESC will report directly to and advise the NIEHS Director on strategic plans to identify and implement initiatives for all aspects of the cyberinfrastructure that support scientific priorities across the Institute. The incumbent will work closely with divisional and other senior leaders to ensure access to state-of-the-art computational, informatic, and data management tools and applications for fostering cutting-edge and collaborative science on a national and international scale.

The DESC will serve as the primary NIEHS point of contact for interactions with other Institutes and Centers at the NIH, federal agencies, and other research organizations on matters related to cyberinfrastructure and data management. Additionally, the DESC will represent NIEHS at a broad array of meetings and workshops. They will also work closely with diverse groups of intramural and extramural investigators on

matters relating to cyberinfrastructure within the global environmental health sciences community. The DESC will have direct and shared budget authority to be ultimately accountable for an annual IT budget of about \$50 million and a staff of approximately 40 federal FTEs and 80 contract FTEs.

Candidates must have completed a full four-year course of study in an accredited college or university leading to a bachelor's or equivalent degree and possess a doctoral degree in a relevant field appropriate to the duties of this position, or equivalent experience. In addition, candidates must be a recognized scientific expert with a proven track record in providing leadership in the management of big data, enterprise IT systems, web-based communications, and social media systems. Candidates should have experience in strategic and operational planning, management of scientific and administrative staff, management of a multimillion-dollar budgets, and in cross-cutting issues relating to collaborating with other government, academic, industry, and private sector organizations. Excellent written and oral communication skills are essential.

NIEHS is located in Research Triangle Park, NC. Salary is competitive and will be commensurate with the experience of the candidate. A recruitment or relocation bonus may be available, and relocation expenses may be paid. A full package of Federal Civil Service benefits is available, including retirement, health and life insurance, long term care insurance, leave and a Thrift Savings Plan (401K equivalent). The successful candidate is subject to a background investigation and public financial disclosure requirements.

HOW TO APPLY: Applicants must submit a current *curriculum vitae*, bibliography, and full contact details for three references. In addition, applicants are asked to prepare two statements: a vision statement and a statement that addresses the specific qualification requirements. Both statements are limited to two pages each. Application should be sent electronically to fowlerc@niehs.nih.gov.

Applications will be reviewed starting on July 10 and will be accepted until the position is filled.

For more information on NIEHS, please see <https://www.niehs.nih.gov>. Specific questions regarding the recruitment may be directed to Charletta Fowler, at fowlerc@niehs.nih.gov.

DHHS, NIH, and NIEHS are Equal Opportunity Employers and encourage applications from women and minorities.