



Break Through Cancer: Chief Data Officer

Break Through Cancer is a new type of foundation which empowers outstanding researchers and physicians to intercept, as well as find cures, for the deadliest cancers by stimulating radical collaboration. It represents a first-of-its-kind collaboration of five of the top cancer research centers in the world: Dana-Farber Cancer Institute, Johns Hopkins Sidney Kimmel Comprehensive Cancer Center, MIT's Koch Institute for Integrative Cancer Research, The University of Texas MD Anderson Cancer Center, and Memorial Sloan Kettering Cancer Center.

Break Through Cancer is focused on several of the world's deadliest cancers: initially glioblastoma, AML, ovarian, and pancreas cancers. These are diseases with poor prognoses for which progress has been very slow. We are looking beyond conventional therapies, utilizing new strategies, structures, and thinking from across disciplines, with the goal of enabling discoveries at an unprecedented pace. A key part of our strategy is to create technology and systems that make sharing data in real time frictionless. We believe that sophisticated computational infrastructure and analysis platforms are critical to support radical collaboration between academic institutions and between academia and industry.

Position Summary

The Chief Data Officer (CDO) is responsible for articulating and implementing data strategy for Break Through Cancer. The CDO will engage world leading cancer researchers across a range of funded projects to understand their data and computational needs, then work collaboratively to provide support and leadership for a team of data scientists, software engineers, and computational biologists distributed across the five cancer centers. The goal is to implement a shared vision for the Break Through Cancer Data Science Hub, which brings together excellence in data infrastructure, laboratory & clinical data science, and governance.

The CDO will build and manage a data management and software engineering team at Break Through Cancer, and oversee the development of data and software collaborations with external partners to operationalize the data strategy, including contracting, relationship development, and management. The CDO will be a member of Break Through Cancer's Executive Leadership team.

Duty and Responsibilities

- Working closely with the CSO, President, COO, and Data Science Hub leadership team, direct the overall data strategy for Break Through Cancer;
- Define Break Through Cancer's research data assets and functional capabilities;
- Build a strategic model for maximizing impact based on these assets and capabilities;
- Lead the development and stewardship of cloud-based vendors and software platforms with the goal of creating a modular, integrated system for for Break Through Cancer teams;
- Create solutions to clearly understand use cases and priorities (for computationlists, wet-lab biologists, and clinicians) and convert them to software engineering requirements;
- Lead the curation and management of clinical and research data for human subjects in a manner that is compliant with the regulatory environment;
- Act as a champion for data management, data quality, and data science across the organization and beyond, including serving as a champion for partner institutions;Facilitate change management as needed to embrace future priorities;
- Distill data analytics needs for computational analysis infrastructures, and create policy for the implementation and access tools for data analysis;
- Lead, motivate, manage, and develop team members;
- Perform regular needs assessments and make strategic recommendations to the Break Through Cancer CSO;
- Work closely with the CSO and other members of the Executive Leadership Team to provide updates/presentations to the Scientific Advisory Board and Board of Directors; and
- Other duties as assigned.

Skills/Requirements

- Bachelor's degree required; advanced degree preferred
- Significant experience in data science, life science, and business strategy in commercial and/or academic settings
- Ability to define and articulate the data management strategic vision and translate it into tactical, implementable steps
- Strong project leadership and management skills to lead organizational change



Collaborating for Cures

- Detailed knowledge of the cancer ecosystem and the field's challenges in the use of data, information, and analytics
- Deep product knowledge of data infrastructure solutions for clinical and laboratory management of cancer data
- Experience operationalizing data governance, data stewardship, data quality, and data security
- Experience leading multi-dimensional/multi-functional teams
- Team player who thrives in a highly matrixed environment

Break Through Cancer is committed to providing equal opportunities in employment and prohibits discrimination and harassment of any kind. We treat our fellow Break Through Cancer colleagues and Break Through Cancer applicants fairly and respectfully. We seek to employ people with skill and integrity, and provide them with the means to develop professionally. We hire without regard to race, color, religion, creed, citizenship, national origin, age, sex, gender, pregnancy, gender identity/expression, sexual orientation, marital status, disability (including neurodiversity), genetic information, veteran status, and any other legally protected group, in accordance with applicable federal, state, or local law.

To apply, please submit a cover letter and resume or CV to careers@breakthroughcancer.org