

Lisa McFerrin, Ph.D.



- ▶ **Bioinformatics project manager, Human Biology Division, Fred Hutchinson Cancer Research Center**

SCIENTIFIC RESEARCH

- ▶ Dr. McFerrin specializes in the development of software and methods that bridge genomic and clinical data to advance the understanding of cancer biology and improve patient care.
- ▶ She is the bioinformatics project manager within Solid Tumor Translational Research, a multi-institutional effort in cancer research and clinical care among Fred Hutch and partners UW Medicine and Seattle Cancer Care Alliance. In this role, she designs tools that facilitate collaborative and reproducible research in order to lower the barriers in communication, analysis, and sharing of data, knowledge and methods.
- ▶ As an expert in bioinformatics, Dr. McFerrin applies mathematical and computational principles to understand large-scale biological data. Her background in such disciplines as computer science, mathematics, statistics and biology enables her to analyze data from genome sequences and clinical records to uncover novel, meaningful insights from datasets otherwise too complex to examine manually.
- ▶ Dr. McFerrin plays a key role in the development of Oncoscape, open-source software that helps scientists integrate information from molecular research in the laboratory with patient records and clinical studies.
- ▶ Her research includes the study of proteins that are involved in normal cell growth and metabolism but can also play a significant role in the development of cancer.

BACKGROUND

- ▶ Dr. McFerrin received her Ph.D. from North Carolina State University in 2010. She began her postdoctoral work at Fred Hutch in 2011 and has been a bioinformatics project manager with STTR since 2014.
- ▶ Dr. McFerrin is a member of Women In Bio and its Mentors, Advisors, and Peers program. She is a past president of the Bioinformatics Graduate Student Association at NC State and was a postdoctoral representative for the Hutch's Research Ethics Education Program.