

DeannaMChurch

Genomics, Technology and Bioinformatics Leader

contact

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in://deannachurch
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leadership skills

Empathy, Communication,
Mentorship, Team Player,
Curiosity, Initiative &
Strategic and
Critical Thinking

product skills

Product definition,
Product commercialization,
Product management,
Applications,
Writing & Presentations

genomics

Genome assembly,
Genome annotation,
Variant analysis,
Functional genomics &
Genome editing

bioinformatics

Python, Data Science, R,
Git, HTML, XML/XSLT,
Javascript, CSS3 & SQL

focus

Leading interdisciplinary teams that match new technology to research needs. A systems level thinker comfortable diving deep into the data and delivering high level strategic plans.

experience

2023 - Present	General Inception <i>Executive-in-Residence</i> Driving diligence, operational excellence and providing executive leadership for General Inception companies.	Remote
2022 - Present	dmchurch bio, llc <i>Principal</i> Independent consultant with a focus on genomics, functional genomes and data analysis.	Boulder, CO
2021–2022	Inscripta, Inc <i>Vice President, Mammalian Business Area and Software Strategy</i> Reported to the CEO. Established requirements and drove software changes required to scale from 10s of genomes to 1000s of genomes (80% of customer base). Led a functional genomics team to establish single cell measurements to accelerate product development. Led a Data Science team developing new analysis methods critical for customer success.	Boulder, CO
2019–2021	Inscripta, Inc <i>Senior Director, Applications Mammalian</i> Reported to the CEO. Established customer requirements for the mammalian platform to enter a multimillion dollar market. Communicated requirements to a multidisciplinary product team. Contributed to three patents critical for application success.	Boulder, CO
2016–2018	10x Genomics <i>Senior Director of Applications</i> Led a team of scientists demonstrating the value of the 10x platforms, contributing to 14 published manuscripts and a dozen Application notes across the product portfolio. Presented at over 40 conferences and meetings, leading to wide spread adoption of 10x products.	Pleasant, CA
2014-2016	Personalis, Inc <i>Senior Director of Genomics and Content</i> Led a team developing novel genome analysis algorithms, pipelines and knowledge bases built to support genome interpretation, cutting report generation by half. Worked collaboratively with partners and government agencies to establish best practices for genome analysis and interpretation.	Menlo Park, CA
2001-2014	National Center for Biotechnology Information, NIH <i>Staff Scientist</i> Led large international collaborations and led the development teams for NCBI systems serving 1000s of users daily. Contributed to or led the development of over 10 public resources, including the Genome Reference Consortium and Clinvar.	Bethesda, MA

scholarship and service

Published over 70 manuscripts and given over 100 scientific presentations, including many keynotes. Serves on scientific advisory boards, currently including Human Pangenome Reference Consortium and Genome Quebec. Reviews scientific manuscripts and grants.

education

2024-2025	Springboard Data Science Program	Boulder, CO
1999-2001	National Center for Biotechnology Information, NIH <i>Postdoctoral fellow</i>	Bethesda, MD
1997-1999	Laboratory of Janet Rossant, Mt. Sinai Hospital <i>Postdoctoral fellow</i>	Toronto, Ontario
1992-1997	PhD of Biological Sciences	The University of California, Irvine
1986-1990	Bachelor of Liberal Arts	University of Virginia