

DeannaMChurch

Genomics and Bioinformatics Leader

contact

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USA

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languages

english, mother tongue

Genomics

Genome assembly,
Genome annotation,
variant analysis, &
Single-cell 'omics

Bioinformatics

Python, R,
HTML, XML/XSLT,
Javascript,
CSS3, SQL & Perl

focus

Leading interdisciplinary teams using genomics and computation to improve human health.

experience

2016-Present **10x Genomics**

Pleasanton, California

Senior Director of Applications

Leads an interdisciplinary team of top rate scientists in demonstrating the scientific value of the full 10x product suite. This work covers a variety of scientific areas including genome assembly, genome analysis, tumor microenvironment analysis, tumor heterogeneity and immune profiling.

2014-2016

Personalis, Inc

Menlo Park, CA

Senior Director of Genomics and Content

Led a team developing novel genome analysis algorithms and pipelines. Led the development of knowledge bases built using automated data processing coupled with data curation to support genome interpretation.

2001-2014

National Center for Biotechnology Information, NIH

Bethesda, MA

Staff Scientist

Led a team of biologists and software developers in developing databases and tools to make genomic data accessible to the research and clinical communities. Participated in numerous international collaborations including helping to found the Genome Reference Consortium, the group tasked with maintaining the human reference assembly.

scholarship and service

Published over 60 manuscripts and given over 100 scientific presentations, including many keynotes. Serves on scientific advisory boards, currently including Ensembl and Genome Quebec. Reviews scientific manuscripts and grants. Member of scientific societies including ASHG and AACR. Participates in and developed numerous sessions to teach genomics and informatics to non-specialists.

education

1999-2001

National Center for Biotechnology Information, NIH

Bethesda, MD

Postdoctoral fellow

1997-1999

Laboratory of Janet Rossant, Mt. Sinai Hospital

Toronto, Ontario

Postdoctoral fellow

1992-1997

PhD of Biological Sciences

The University of California, Irvine

1986-1990

Bachelor of Liberal Arts

University of Virginia