C. Titus Brown

EDUCATION **Reed College**, Portland, OR; Mathematics; B.A., 1997

California Institute of Technology, Davidson Lab (graduate student);
Developmental Biology; PhD., 2007

California Institute of Technology, Bronner-Fraser Lab (postdoc);
Developmental Biology and Bioinformatics; 2007-2008

APPOINTMENTS **Assistant Professor**, Microbiology & Molecular Genetics / Computer Science and Engineering
Michigan State University, 2008-2014.

Associate Professor, Population Health and Reproduction, School of Veterinary Medicine
University of California Davis, Jan 2015-July 2021.

Professor, Population Health and Reproduction, School of Veterinary Medicine
University of California Davis, July 2021-present.

Faculty Directory of Community Initiatives, UC Davis DataLab.
University of California Davis, November 2020-present.

HONOURS AND
AWARDS
Burroughs-Wellcome Fund Computational Biology Fellowship (1999-2004).
Withrow Award for Teaching Excellence in Computer Science (2008-2009).
Woods Hole Marine Biological Laboratory Summer Fellow (2013).
Michigan State University / College of Natural Science Teacher-Scholar Award (2013).
Moore Foundation Data Driven Discovery Investigator (2014-2019).

PUBLICATIONS Full publication list: *http://scholar.google.com/citations?user=O4rYanMAAAAJ*
Blog: *http://ivory.idyll.org/blog/*
Twitter: *http://twitter.com/ctitusbrown*
ImpactStory: *https://profiles.impactstory.org/u/0000-0001-6001-2677*

SOFTWARE
DEVELOPMENT AND
MAINTENANCE
Active open source developer at http://github.com/ctb/ and http://github.com/dib-lab/.

Active projects include:
- sourmash, large-scale sequence search by content;
- spacegraphcats, metagenome assembly graph query;
- genome-grist, workflow for shotgun metagenome decomposition;
- charcoal, large-scale genome decontamination analysis;

PROFESSIONAL
ACTIVITIES
- Co-lead, NIH Data Commons Pilot Phase Consortium, 2017-2019.
- Lead, Engagement and Training, NIH Common Fund Data Ecosystem, 2019-present.
- Member, Advisory Board member for the West Big Data Hub.
- Member, Scientific Advisory Board for CZI HCA.
- Member, Executive Advisory Board for the Maine NIH INBRE grant.
- Software Carpentry Scientific Advisory Board member (2008-2012).
- Accredited Carpentries Instructor.
- Course director, 2010-2019, Next-Generation Sequence Analysis for Biologists.
- Course faculty, 2006-2008, Embryology Course, Woods Hole Marine Biological Laboratory.
- Course faculty, 2015-2019, Strategies and Techniques for Analyzing Microbial - Population Structure (STAMPS), Woods Hole Marine Biological Laboratory.
- Reviewer for NSF, NIH, Moore Foundation, and Sloan Foundation.
- Several now-unmaintained open source bioinformatics tools, including Cartwheel server for comparative sequence analysis, khmer k-mer software.
- Moderator, python-ideas mailing list, 2019-present.