BIOGRAPHICAL SKETCH

NAME: William Stafford Noble (formerly William Noble Grundy)

POSITION TITLE: Professor

eRA COMMONS USER NAME: wsnoble

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	COMPLETION	FIELD OF STUDY
Stanford University	BS	1991	Symbolic Systems
University of California, San Diego	MS	1996	Computer Science
University of California, San Diego	PhD	1998	Computer Science & Cognitive Science
University of California, Santa Cruz	Postdoc	1999	Computational Biology

A. Personal Statement

My research applies statistical and machine learning methods to the analysis of complex biological data sets. My lab has extensive experience developing novel analytical methods, creating user-friendly software implementing those methods, and collaborating with experimentalists to carry out the actual analyses. Currently, our primary research areas include the development of analytical methods for interpreting tandem mass spectrometry data, for interpreting big, heterogeneous multi-omic data sets, and for modeling the three-dimensional structure of DNA in the nucleus.

Since 2003 I have been involved in the development of machine learning and statistical methods for the analysis of mass spectrometry data ($>$100 publications). In this context, I have collaborated with Mike MacCoss on a wide variety of projects, leading to 37 co-authored publications.

Ongoing and recently completed projects that I would like to highlight include:

- NSF 2245300 DMS/NIGMS 2 (PI: Noble) 6/1/23–5/31/27, Deep learning for repository-scale analysis of tandem mass spectrometry proteomics data
- NIH U01 HG013198 (Multi-PI: Noble, Weng, Kundaje), 9/1/23–5/31/28, Multi-Omics DACC: The Data Analysis and Coordination Center for the collaborative multi-omics for health and disease initiative
- NIH UM1 HG011531 (Multi-PI: Noble, Disteche, Shendure), 9/18/20–6/31/25, UW 4-Dimensional Genomic Organization of Mammalian Embryogenesis Center

B. Positions, Scientific Appointments, and Honors

Positions and Scientific Appointments

2020–21	Interim Chair, Department of Genome Sciences, University of Washington
2013–20	Director, Computational Molecular Biology Program, University of Washington
2002–	Assistant/Associate/Full Professor, Department of Genome Sciences, University of Washington, with adjunct appointments in the Department of Computer Science and Engineering, Department of Medicine, and the Department of Biomedical Informatics and Health Education
1999–02	Assistant Professor, Department of Computer Science, Columbia University, with joint appointment at the Columbia Genome Center.

Honors	
2026	Gilbert S. Omenn Computational Proteomics Award, US Human Proteome Organization
2025	Top Reviewer Award, NeurIPS conference
2023	Fellow, American Institute for Medical and Biological Engineering
2021	Team Science Award, ENCODE Consortium, National Institutes of Health
2019	Innovator Award, International Society for Computational Biology
2018–19	Chair, BDMA review panel, National Institutes of Health.
2017	Fellow, International Society of Computational Biology
2015–6,18–23	Clarivate Analytics list of “Highly cited researchers”
2013–17	Member, BDMA review panel, National Institutes of Health.
2013	Fulbright Specialist Grant, African Institute for Mathematical Sciences, Muizenberg, South Africa.
2010	University of Washington Postdoc Mentor of the Year.
2001–05	Research Fellow, Alfred P. Sloan Foundation.
2001–06	National Science Foundation CAREER Award.
2000–02	Pharmaceutical Research and Manufacturers of America Foundation Faculty Development Award in Bioinformatics.
1998–99	Fellow, Alfred P. Sloan Foundation and U.S. Department of Energy Postdoctoral Fellowships in Computational Molecular Biology
1994–97	Fellow, National Defense Science and Engineering Graduate Fellowship Program.
1991	Phi Beta Kappa, Stanford University.
1987	David Starr Jordan Scholar, Stanford University.
1987	National Merit Scholar.

Bibliography: https://www.ncbi.nlm.nih.gov/sites/myncbi/bill.noble.1/bibliography/40335215/public