



## Daniel Weinreich

Interim Director of the Center for Computational Molecular Biology, Associate Professor of Ecology and Evolutionary Biology

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### Overview

#### Weinreich Lab Website

Professor Weinreich received his bachelor's degree in computer science from the University of Michigan in 1983. Computer science has a long tradition of interest in the algorithmics of Darwin's paradigm and this provides the formal

framework for Weinreich's research. After nine years as a software engineer, he began his graduate studies in evolutionary and population genetics at Harvard University. He received his PhD in 1998 and did postdoctoral work at Brown University (1998-2000), the University of California (2000-2001) and at Harvard University (2001-2006).

Professor Weinreich was appointed an Assistant Professor in the **Department of Ecology and Evolutionary Biology** at Brown in January 2007, and was promoted to Associate Professor in July 2013. He is also a member of the **Center for Computational Molecular Biology** at Brown.

## Daniel M Weinreich

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<a href="#">Empirical fitness landscapes reveal accessible evolutionary paths</a> FJ Poelwijk, DJ Kiviet, DM Weinreich, SJ Tans Nature 445 (7126), 383	<a href="#">382</a>	2007
<a href="#">Stepwise acquisition of pyrimethamine resistance in the malaria parasite</a> ER Lozovsky, T Chookajorn, KM Brown, M Imwong, PJ Shaw, ... Proceedings of the National Academy of Sciences 106 (29), 12025-12030	<a href="#">191</a>	2009
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<a href="#">Patterns and mechanisms of genetic and phenotypic differentiation in marine microbes</a> MF Polz, DE Hunt, SP Preheim, DM Weinreich Philosophical Transactions of the Royal Society of London B: Biological ...	<a href="#">135</a>	2006
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<u>Widespread genetic exchange among terrestrial bacteriophages</u> OK Silander, DM Weinreich, KM Wright, KJ O'Keefe, CU Rang, PE Turner, ... Proceedings of the National Academy of Sciences 102 (52), 19009-19014	<u>50</u>	2005

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