

## David Hal Weinberg

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Born 16 February, 1963, Washington, D.C., U.S.A.

### Academic Appointments

#### *Long Term Positions:*

Astronomy Department Chair, Ohio State University,	2015 –
Henry L. Cox Professor of Astronomy, OSU	2013 –
Distinguished Professor of Mathematical and Physical Sciences, OSU	2008 –
Professor of Astronomy, OSU	2002 –
Associate Professor of Astronomy, OSU	1998 – 2002
Assistant Professor of Astronomy, OSU	1995 – 1998
Long-Term Member, Institute for Advanced Study	1992 – 1994
Miller Research Fellow, U.C. Berkeley	1990 – 1991
NATO Postdoctoral Fellow, Cambridge University	1989 – 1990

#### *Visiting Positions*

Visiting Member, Institute for Advanced Study, in 2001-2002, 2006, 2009-2010	
Visiting Researcher, Institut d’Astrophysique de Paris, most summers since 2003	
Chercheur Associé, “Post-Rouge,” Institut d’Astrophysique de Paris	3/02 – 7/02

### Education

Princeton University, Princeton, New Jersey

Ph.D. in Astrophysics, October 1989

Thesis Advisor: James E. Gunn

Yale University, New Haven, Connecticut

B.S. in Physics, *summa cum laude*, phi beta kappa, distinction in physics, 1985

### Fellowships and Honors

AAS Lancelot M. Berkeley – New York Community Trust Prize	2015
Fellow of the American Association for the Advancement of Science (elected 2009)	
Ohio State University Distinguished Scholar Award	2006
Fellow of the American Physical Society (elected 2001)	
Princeton University:	
Porter Ogden Jacobus Fellow	1988–1989
Ray Grimm Memorial Prize in Computational Physics	1989
National Science Foundation Graduate Fellow	1985–1988
Pierce Prize in Astrophysics	1985–1986
Yale University:	
George Beckwith Award for excellence in astronomy	1985
DeForrest Pioneers Award for creative achievement in physics	1985

### Miscellaneous

Sloan Digital Sky Survey: SDSS-III Project Scientist (2007 – 2014), SDSS-IV Steering Committee/AC Executive Committee (2011 – 2015), SDSS-II Scientific Spokesperson (2005 – 2009), Advisory Council Representative (2005 –), Scientific Publications Coordinator (1999-2002), Collaboration Council Representative (1998-2002)

NRC Astronomy Mid-Decadal Review Committee, 2015 – 2016

Co-Chair of DESI Bright Galaxy Survey Working Group, 2014 –  
WFIRST Formulation Science Working Group, 2016 –  
Lecturer, ICTP Advanced School in Cosmology, 5/2016  
AFTA-WFIRST Science Definition Team, 10/2012 – 4/2015  
HST Cycle 22 Panel Chair and TAC member, 2014  
NASA Astrophysics Roadmap Team, 2013  
Co-Convener for Snowmass 2013 CF5 (Dark Energy and CMB) group on Cross-Correlations  
WFIRST Science Definition Team, 12/2011 – 8/2012  
NRC Astro2010 Science Frontier Panel: Cosmology and Fundamental Physics, 2009 (Vice Chair)  
NASA Astrophysics Roadmap Committee, 2004 – 2005  
NASA Astronomy and Physics Working Group, 2003 – 2005  
Kitt Peak Extragalactic Time Allocation Committee, 1998 – 1999  
Review panels for NSF, NASA, HST, NASA Hubble and Chandra Fellowships  
Lecturer, U. Mass. Summer School in Computational Astrophysics, July, 1998; July, 1999  
Lecturer, Jerusalem Winter School in Theoretical Physics, “Galaxy Formation,” January, 1998

### **Current Research Areas**

Cosmic Acceleration and Dark Energy  
Large Scale Structure  
Galaxy Formation  
The Intergalactic Medium  
Chemical Evolution of the Milky Way

### **Mentoring**

Postdoctoral advisees: Rupert Croft, James Bullock, Andrey Kravtsov, Oleg Gnedin, Francesco Shankar, Eduardo Rozo, Stelios Kazantzidis, Michael Mortonson, Ralph Schönrich  
Thesis students: J. Michael Owen, Vijay Narayanan, Andreas Berlind, Zheng Zheng, Jeremy Tinker, James Pizagno, Juna Kollmeier, Jaiyul Yoo, Guangfei Jiang, Molly Peeples, Chris Orban, Vimal Simha, Jonathan Bird, Ying Zu, Brett Andrews, Joe McEwen

### **Publications**

Author or co-author of more than 270 articles in refereed astronomy journals, 57,000+ citations,  $h = 108$ . See <http://www.astronomy.ohio-state.edu/~dhw/top25.html> for most highly cited publications.

### **Broader Activities**

Creator of “Galaxy Formation! A Board Game” (1987).  
Creator of “The Dark Matter Rap: A Cosmological History for the MTV Generation” (1992), live performance and recording.  
Script consultant for “Dark Matter,” winner of the Alfred P. Sloan Prize at the 2007 Sundance Film Festival, recognizing “an outstanding feature film focusing on science or technology as a theme or depicting a scientist or mathematician as a major character.” (Film written by Billy Shebar, directed by Chen Shi-Zheng, starring Liu Ye, Aidan Quinn, and Meryl Streep.)  
Scientific and design consultant for five sculptures by Josiah McElheny: *An End to Modernity* (2005), now in the collection of the Tate Modern; *The Last Scattering Surface* (2006), now in the collection of the Phoenix Art Museum; *The End of the Dark Ages* (2008), now in a private collection; *Island Universe*, commissioned by White Cube Gallery (London) and subsequently exhibited by the Reina Sophia Museum (Madrid) and the Boston Institute of Contemporary Art; and *A Study for The Center is Everywhere* (2012), exhibited at the Boston Institute of Contemporary Art, now in a private collection.