

## 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 –      |
| Distinguished University Professor, OSU                            | 2017 –      |
| Distinguished Professor of Mathematical and Physical Sciences, OSU | 2008 – 2017 |
| Henry L. Cox Professor of Astronomy, OSU                           | 2013 – 2018 |
| 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

|  |           |
|--|-----------|
| Distinguished University Professor, Ohio State University                        | 2017      |
| 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-II Scientific Spokesperson (2005 – 2009), SDSS-IV Steering Committee/AC Executive Committee (2011 – 2015), SDSS-V Steering Committee/AC Executive Committee (2016 – ), SDSS-IV Ombudsperson (2015 – ),

OSU Advisory Council Representative (2005 –), Scientific Publications Coordinator (1999 – 2002)  
Wide Field Infrared Survey Telescope: WFIRST Science Definition Team (2011 – 2012), AFTA-WFIRST Science Definition Team (2012 – 2015), High-Latitude Survey Cosmology Team and WFIRST Formulation Science Working Group (2016 – )  
Dark Energy Spectroscopic Instrument: Co-Chair of DESI Bright Galaxy Survey Working Group (2014 – )  
Dark Energy Survey: Member of DES Advisory Committee (2016 – )  
National Academies Astronomy Mid-Decadal Review Committee, 2015 – 2016  
Hubble Space Telescope Cycle 22 Panel Chair and TAC member, 2014  
NASA Astrophysics Roadmap Team, 2013  
National Research Council 2010 Decadal Review of Astronomy: Vice Chair of the “Cosmology and Fundamental Physics” Science Frontier Panel  
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, ICTP Advanced School in Cosmology, Trieste, 5/2016  
Lecturer, U. Mass. Summer School in Computational Astrophysics, Amherst, 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, Ying Zu  
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 300 articles in refereed astronomy journals, 74,000+ citations,  $h = 127$ . See <http://www.astronomy.ohio-state.edu/~dhw/topcite.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.