

Life in the Universe

Four Lectures by Prof. James Bullock

UC Irvine Physics and Astronomy

Presented by Dennis Silverman

Prof. James Bullock's Education and Honors

Current Position:

Professor of Physics & Astronomy, University of California, Irvine	2010 - present
Director, Southern California Center for Galaxy Evolution	2010 - present
Director, Center for Cosmology, University of California, Irvine	2005 - present

Past Appointments:

Associate Professor, Physics & Astronomy, University of California, Irvine	2008 - 2010
Assistant Professor, Physics & Astronomy, University of California, Irvine	2004 - 2008
Postdoctoral Fellow, Harvard Observatory	2002 - 2004
Postdoctoral Fellow, The Ohio State University Astronomy & Physics Departments	1999 - 2002

Publication Statistics (via Google Scholar 7/2014):

126 refereed articles
15,015 citations
H-index = 64

Honors and Awards:

Chancellor's Fellow, UC Irvine (2012-2015)
Visiting Miller Professorship, UC Berkeley (2012)
UC Irvine Celebration of Teaching Award (2011)
McMaster Cosmology Colloquium Prize, University of Toledo (2011)
Outstanding Contributions to Undergraduate Education Award in Physical Sciences (2011)
Fellow, American Association for the Advancement of Science (2008)
NASA Hubble Fellowship (2002)
Phi Kappa Phi California Graduate Scholarships (1997)

Recommended Books and Websites

- Rare Earth
- Lonely Planets: The Natural Philosophy of Alien Life
- The Life of Super Earths
- Life on a Young Planet
- What is Life? When Chemistry Becomes Biology
- [Http://astrobiology.net](http://astrobiology.net)
- [Http://discovery.com](http://discovery.com)

YouTube Playlist for James Bullock's Four Lectures

- Dennis Silverman's YouTube Playlist for Life in the Universe

https://m.youtube.com/playlist?list=PLBD9gufKJAfeVgp7m6_ogwQvq27ry9j-w

List of all Physics 20E Lectures: Go to "Lectures" button on

http://ocw.uci.edu/courses/physics_20e_life_in_the_universe.html

Latest Physics 20E Lectures in PDFs

- Pdf files of new 50 minute lectures:
- [HTTPS://eee.uci.edu/16s/47470/schedule.html](https://eee.uci.edu/16s/47470/schedule.html)
- Lectures 15 and 16 for DNA and Origin of Life
- Lecture 20 for Habitable Worlds
- Lecture 21 for Searching for Earth 2.0
- Lecture 22 for Intelligent Life
- Lecture 23 for The Hunt for Life

James Bullock's Twitter Blog

- Search James Bullock Twitter on Google, or
- @jbprime on Twitter
- We have also hired an astrobiologist Dr. Aomawa Shields who will start next year. She does climate modeling of exoplanets.
- Her Twitter address is
- @aomawa on Twitter

Ohio State Web Course on Life in the Universe

- There is an Ohio State course on iTunes also called "Life in the Universe" with 44 lectures.
- This is the link: <https://itunes.apple.com/us/course/life-in-the-universe/id559775126>

Astronomy Magazines:

- Sky and Telescopes "Exoplanet" search
- [Http://www.skyandtelescope.com/?s=Exoplanets&submit=](http://www.skyandtelescope.com/?s=Exoplanets&submit=)
- Astronomy Magazine; click on exoplanets
- [Http://www.astronomy.com/news](http://www.astronomy.com/news)

SETI Searches

- Enter "SETI" on Google. The Wikipedia article has links to the SETI searches.