

Ofer Lahav: Curriculum Vitae

Department of Physics and Astronomy
University College London
Gower Street
London WC1E 6BT
United Kingdom

Phone: +44 (0) 20 7679 3473
Fax: +44 (0) 20 7679 7153
E-mail: lahav@star.ucl.ac.uk
Web: <http://www.star.ucl.ac.uk/~lahav/>

Current position

Perren Professor of Astronomy and Head of Astrophysics
Department of Physics & Astronomy, University College London

In addition at present

Chair of the International Science Committee of the Dark Energy Survey
Vice-President of the Royal Astronomical Society
Holder of a Royal Society Wolfson Research Merit Award

Date and Place of Birth: 5 April 1959; Tiberias, Israel

Citizenship: Israeli and British

Education

University of Cambridge:	Astronomy Ph.D., 1988
(Supervisors: Profs. G. Efstathiou and D. Lynden-Bell)	
Ben-Gurion University:	Physics M.Sc., 1985
(Supervisor: Prof. J. Bekenstein)	
Tel-Aviv University:	Physics B.Sc., 1980

Positions

2004-	Perren Professor of Astronomy and Head of Astrophysics, University College London
2000-2003	Reader in Cosmology, Institute of Astronomy, Cambridge University
1998-1999	Associate Professor, the Hebrew University, Jerusalem
1990-2000	Member of staff (Senior Assistant in Research, Assistant Director of Research, Lecturer), Institute of Astronomy, Cambridge University
1989	Post-doctoral Fellow, Institute for Advanced Study, Princeton
1988-2003	Research Fellow (1988-91) and then Official Fellow (1992-2003), St Catharine's College, Cambridge

Visiting positions

Weizmann Institute of Science (2009), Fermilab/Chicago (2008), Sydney (1997), Jerusalem (1990, 1995),
Kyoto (1991)

Awards and Distinctions

Wempe Lecture (on the occasion of the Wempe Award to Y. Hoffman), Potsdam (2010)
Erna & Jakob Michael Visiting Professorship, Weizmann Institute of Science (2009)
Royal Society Wolfson Research Merit Award (2008-2013)
Fellowship of the Institute of Physics (2008-)
RAS Group Award to the 2dFGRS team (2008)
Thomson ISI 'highly cited author' (2007-)
Rosseland Lecture, Oslo University (2005)
Elizabeth Spreadbury Lecture, UCL (2004)
PPARC Senior Research Fellowship (2003-2006)

Isaac Newton Studentship, Cambridge (1985-1988)
Rothschild Fellowship (1985-1986)
First prize, annual science competition, Weizmann Institute of Science (1977)

Research and Publications

Over 170 research articles in refereed journals, including 8 invited review articles and book chapters.
Thomson ISI ‘highly cited author’, *h*-factor 58.

Recent and current collaborations

- The Dark Energy Survey (DES):
PI of a £1.76M STFC grant for DES optics, Chair of DES:UK (including UCL, Cambridge, Edinburgh, Portsmouth, Sussex and Nottingham Universities) and Chair of the international DES science committee, coordinating over 200 scientists from the US, UK, Spain, Brazil and Germany in 11 working groups
- Hubble Space Telescope CLASH Multi-Cycle Treasury (ongoing)
- Euclid/Dune ESA space mission (planned)
- WFMOS/Subaru design study (completed)
- 2dF Galaxy Redshift Survey (completed)
- 6dF Galaxy Survey (completed)

Mentoring

Mentored (as the primary supervisor) **17 PhD students** at Cambridge and at UCL:
C. Scharf, A. Naim, A. Loan, S. Folkes, M. Webster, M. Magliocchetti, A. Firth, D. Madgwick,
P. Erdogdu, A. Collister, V. Wild, A. Rassat, A. Kiakotou, M. Banerji, S. Thomas, A. Hawken, F.
Economou, M. Hollis and a second supervisor to C. Lintott, A. Abate and another half a dozen PhD students at UCL (since 2004).

Mentored 9 MSc students:

A. Baleisis, S. Hermit, S. Ronen, F. Islam, O. Host, S. Balan, L. Calder, L. Clerkin, M. Williams, C. Partridge

Mentored **Post-docs**: K. Fisher, S. Bridle, O. Elgaroy, I. Maor, I. Ferreras, F. Abdalla, G. Hutsi, K. Ichikawa, M. Swanson, C. Sabiu, O. Host, S. Thomas, S. Jovel, and closely advised about a dozen other Post-docs in Cambridge and in UCL

Editorial and refereeing

Member of the Editorial Boards of *Monthly Notices of the Royal Astronomical Society* (2006-2008) and *Journal of Cosmology and Astroparticle Physics* (2005-)
Refereeing for MNRAS, ApJ, A&A, JCAP and for STFC and ERC grant proposals.

Organisation (since 2004): national and international

Member of appointment committee for a Chair, Imperial College (2011)
Vice-President of the Royal Astronomical Society (elected 2010).
Member of the Council of the Royal Astronomical Society (elected 2009)
Chair of the International Committee of the Royal Astronomical Society (2010-2011)
Chair of the Awards Committee of the Royal Astronomical Society (2011)
Member of visiting Committee, IFAE, Barcelona (2009-)
Member of the STFC Planck Oversight Committee (2008-)
Chair of the DES Membership Policy Document (2008-9)
Member of appointment committee, Lisbon (2008)
Member of evaluation committee, DFG, Germany (2007)
Member of IAU Commission 47 (Cosmology), Division VIII (2007-)
Chair (previously co-Chair), Science Committee of the Dark Energy Survey (DES) (2006-)
Chair of DES:UK Consortium (2005-)
Co-Chair of the Search Committee for DES Director (2009)

Chair of the DES Membership Policy (2007-8)

Organisation (since 2004): UCL

Head of the Astrophysics Group (overseeing 19 faculty, 20 post-docs, 35 PhDs, 13 support staff).

As the Head of Astrophysics I have so far led the appointment of 9 new members of staff.

Member of half a dozen selection committees for faculty appointments at UCL, including for two Chairs.

Co-founder and member of the steering committee, UCL's Institute of Origins, and co-coordinator of the neutrino physics theme.

Invited Talks at International Conferences (past 10 years, partial list)

Invited talk, *StatPhys11*, CERN (January 2011)

Invited *Wempe Lecture*, IAP Potsdam (November 2010)

Invited opening talk and discussion talk, *Co-motion*, Australia (September 2010, by video-con)

Invited talk, *Darkness Visible*, Cambridge (August 2010)

Invited talk, *The Cosmic Enigma* (Weizmann:UK) (June 2010)

Invited talk, *Cosmology conference*, Ioannina (June 2010)

Invited talk, *Galaxy Surveys*, Marseilles (April 2010)

Invited talk, *Tsvi Piran's 60th birthday conference*, Jerusalem (December 2009)

Keynote opening talk, *CosmoStat09*, Ascona (July 2009)

Invited talk, *Dark Energy*, IPMU Tokyo (June 2009)

Chairing a panel discussion at the *National Astronomy Meeting* in Hertfordshire (April 2009)

Invited talk, *Neutrinos*, Minnesota (October 2008)

Invited talk, *SDSS conference*, Chicago (August 2008)

Invited talk, *Neutrino masses*, Aarhus (September 2007)

Invited talk, *Michael Rowan-Robinson 65th birthday*, Imperial College (July 2007)

Invited talk, *Cosmology conference*, Imperial College (March 2007)

Invited talk, *Cosmology conference*, Tokyo University (November 2006)

Plenary talk, *Annual meeting of the Astronomical Society of Brazil* (July 2006)

Invited talk, *Bernard Jones 60th birthday*, Valencia (June 2006)

Summary talk, *Statistical Challenges in Modern Astronomy IV*, Penn State University (June 2006)

Inaugural lecture, UCL (February 2006)

Invited talk, *Nearly normal galaxies in a CDM Universe*, celebrating the 60th birthday of Blumenthal, Faber and Primack, Santa Cruz (August 2005)

Invited talk, *Solvay Conference*, Brussels (May 2005)

Invited talk, *6dF workshop*, Sydney, Australia (April 2005)

Invited plenary talk, *NAM05* Birmingham (April 2005)

Invited lectures, *Surveying the Sky*, Obergurgl, Austria (February 2005)

Invited lectures, *Rome L'Aquila ISAPP School* (July 2004)

Invited talk, *Neutrinos 04*, CdF Paris (June 2004)

Invited talk, *Nearby LSS and the Zone of Avoidance*, Cape Town (March 2004)

Summary talk, *Moriond Cosmology Conference* (March 2002)

In addition, about 4-5 seminars/colloquia per year at Astronomy/Physics Departments and 3-5 Public Outreach talks in the UK and abroad.

Organisation of International Conferenecs (partial list)

Main Organiser, DESpec workshop, London, (March 2011)

SOC member, *Darkness Visible*, Cambridge (August 2010)

Main Organiser of the Cosmic Enigma Weizmann: UK conference, London (June 2010)

The DES international collaboration meeting, UCL (2007)

Colloquium Director of UCL's Cumberland Lodge conference (2005)

London Cosmology Discussion Meetings (LCDM) (since 2004)

SOC member, *Nearby LSS and the ZoA*, Cape Town (March 2004)
 Oxford-Cambridge (OxCam) Cosmology meetings (2000-2003)
 Royal Astronomical Society Discussion meetings, London (1993, 1995, 2001, 2003, 2005) Cosmology sessions at NAM96 (Liverpool), NAM01 (Cambridge), NAM09 (Hertfordshire)
 The 36th Herstmonceux conference, ‘Gravitational Dynamics’, Cambridge (August 1995)

Societies

Fellow of the Royal Astronomical Society
 Fellow of the Institute of Physics (FInstP)
 Member of the American Astronomical Society
 Member of the International Astronomical Union
 Member of the Astronomical Society of India

Principal Investigator of recent major grants

PI, STFC ‘Cosmology from surveys’, UCL (2011-): £468K
 PI, Nottingham U. contribution to DES (2009): £300K
 PI, Leverhulme grant for an Artist in Residence (Katie Paterson) at UCL (2010): £12.5K
 PI, STFC ‘Cosmology rolling grant’, UCL (2008-2011): £839K
 PI, Royal Society Wolfson Research Merit Award (2008-2013): £100K
 PI, UCL CIF for a Robotic Telescope at the Mill Hill Observatory (2008): £30K
 PI, Royal Society incoming visitor (2008) £3.5K
 PI, PPARC/STFC ‘Optical Corrector for the Dark Energy Survey’, UCL (2006-): £1.763M
 PI, PPARC/STFC ‘Cosmology with Photometric Redshift Surveys’, UCL (2006-2009): £186K
 PI, e-learning Perren Fund, University of London (2006-2008): £110K
 PI, R&D for the DES, PPARC (2005): £31K
 PI, R&D for the DES, UCL Provost (2005): £11K
 PI, PPARC Senior Research Fellowship (2003-2006): £111K
 PI, PPARC incoming visitor (2004) £9.5K
 PI, Leverhulme ‘Quantitative Cosmology’, Cambridge (2001-2004): £275K

In addition, I was a Co-I on PPARC theory and observational rolling grants, IoA Cambridge (1990-2003) and a Co-I on several other STFC grants, including design studies of Euclid R&D Phase A at UCL (£364K, 2009; £303K, 2010), WFMOS at UCL (£18K, 2008), Astro-Grid and a Leverhulme grant (£112K, 2005-2008).

Teaching

- *UCL*: “Topics in Modern Cosmology” (evening BSc class), (2007, 2009, 2011)
- Tutor of observing sessions at UoL Mill Hill Observatory (2008, 2009, 2011)
- External Examiner for Part II (3rd year) and Part III (4th year) Astrophysics in the Natural Sciences Tripos at the Institute of Astronomy, University of Cambridge (2011-)
- *Cambridge*: “Observational Cosmology” and “Galactic Dynamics” for Part III (Graduates in Mathematics), DAMTP (1996-1998)
- University Examiner for Part IA (1st year of BSc) Mathematics for Natural Sciences. Senior Examiner of Part II Astrophysics (3rd year of BSc) (2002, 2003)
- Director of Studies in Mathematics for Natural Sciences, St. Catharine’s College (1992-98)
- Deputy Graduate Tutor, St. Catharine’s College (2000-2003)
- *Hebrew University*: “Advanced Astrophysics and Cosmology” for M.Sc. (1998)
- “Selected topics in Astrophysics and Cosmology” for M.Sc. (1998)
- Supervising 4yr undergraduate projects (1-2 per year)
- Examining about a dozen PhD theses in Cambridge, Oxford, Edinburgh, Durham, Portsmouth, Barcelona, Jerusalem, etc.

Public Outreach (recent years, partial list)

- Awarded a grant from the Leverhulme Trust to host Artist in Residence Katie Paterson (2011)
- After-dinner talk to the Physical Society Dining Club, London (February 2011)
- Lecture to the IoP South-East branch and the S-E Kent Astronomical Society (February 2011)
- Public Lecture at Ben-Gurion University, Israel (December 2010)
- Lunch-Hour Lecture open to all at UCL (November 2010)
- Lecture at the Institute of Physics London (October 2010)
- Press release on neutrino mass and reports on BBC online and other websites (June 2010)
- Lecture at the Whitstable Art Festival (summer 2010)
- Public Lecture at Tel-Aviv University, Israel (December 2009)
- Public Lecture at the Weizman Institute, Israel (December 2009)
- Guardian Science Weekly Podcast (November 2009)
- Lecture at Tate Britain (March 2009)
- Press release on the galaxy map from the 2MASS redshift Survey (2008)
- Press release on the DES huge lenses (June 2008)
- The Today Programme Radio 4 (October 2008)
- Hosted a visit at the University of London Observatory
by the actor Simon Russell Beale who played Galileo at the National Theatre (2007)
- Featured in *the Book of Space* of the Observer Magazine (2007)
- Press release on 3D galaxy map of Luminous Red Galaxies and interview on Radio 4 (2006)