

CURRICULUM VITAE

ROGER DAVID BLANDFORD

b. Grantham, England, August 28, 1949:

Education

King Edward's School, Birmingham 1960-67

Magdalene College, Cambridge University

W.B.R. King Scholarship 1967-70

Natural Science Tripos (Physics, Mathematics, Chemistry, Crystalline State)

B.A. (First Class Honours) in Theoretical Physics 1970

Research Student, Institute of Astronomy 1970-73 (supervised by M. Rees)

M.A. Cambridge University 1974;

Ph.D. Cambridge University 1974.

Sc.D. University of Chicago 2007

Employment

Charles Kingsley Bye Fellowship, Magdalene College 1972-73

Research Fellowship, St. John's College, Cambridge 1973-76

Assistant Professor, California Institute of Technology, 1976-79

Professor, California Institute of Technology 1979-89

Richard Chace Tolman Professor of Theoretical Astrophysics, California Institute of Technology 1989-2004

Executive Officer for Astronomy, California Institute of Technology 1992-95

Pehong and Adele Chen Director of the Kavli Institute for Particle Astrophysics and Cosmology at Stanford University 2003-2013

Pehong and Adele Chen Professor of Particle Astrophysics and Cosmology 2003-2005

Professor at Stanford Linear Accelerator Center, 2003-

Luke Blossom Professor in the School of Humanities and Sciences, Stanford University 2005-

KIPAC Division Head, PPA Directorate, SLAC National Accelerator Laboratory 2005-2013

Visiting Positions

Member, Institute for Advanced Study 1974-75

Parisot Fellow, University of California at Berkeley 1975

Visitor, National Radio Astronomy Observatory 1979

Visitor, NORDITA, 1981

Visitor, Institute for Theoretical Physics 1982

Visitor, CSIRO and Anglo-Australian Telescope 1986

Visitor, Harvard-Smithsonian Center for Astrophysics 1988-89

Member, Institute for Advanced Study 1998

Sackler Distinguished Visiting Astronomer, University of Cambridge 1999

Visiting Scientist, Institute for Theoretical Physics 1999

Oort Professor, Leiden University 2006

Humboldt Research Award 2011-

Blaauw Professor, Groningen 2012

Miller Professor, UC Berkeley 2013-2014

Simons Fellowship 2013-2014

International Jacques Solvay Chair in Physics, Brussels 2020-21

Professional Societies

Fellow of Royal Astronomical Society (1974)

Fellow of Cambridge Philosophical Society (1975)

Member, American Astronomical Society, Councilor 1999-2002, High Energy Astrophysics Division, Executive Committee 1982-4, Vice Chair 2002-2004, Chair 2004-2006

Fellow of Royal Society (1989), Council Correspondent, West USA, 1991-

Director, American Friends Royal Society 2003-

Fellow of American Academy of Arts and Sciences (1993)

Member National Academy of Sciences (2005), Astronomy Section Chair 2019-

Fellow of American Physical Society (2010)

Member, American Association for the Advancement of Science (2018)

Awards and Lectureships

Alfred P. Sloan Research Fellow 1980-84

Helen B. Warner Prize, American Astronomical Society 1982

Guggenheim Fellow, 1988-89

Marker Lecturer in Astronomy, Pennsylvania State University, 1989

George Darwin Lecturer, Royal Astronomical Society, 1989

Derieux Lecturer, University of North Carolina, 1989

F. G. Brickwedde Lecturer, The Johns' Hopkins University, 1991

Raymond and Beverley Sackler Lecturer, University of California, Berkeley, 1994

Invited Lecturer, NASA Administrator's Lecture Series, 1995

David Rittenhouse Lecturer, University of Pennsylvania, 1997

Dannie Heineman Prize, American Astronomical Society, 1998

Ludwig Biermann Lecturer, Max Planck Institut für Astrophysik 1998

Eddington Medal, Royal Astronomical Society, 1999

Sackler Fellow and Lecturer, Institute of Astronomy, Cambridge 1999

Tetelman Lecturer, Yale University 2001

Carl Friedrich von Siemens Lecturer, Munich 2001

Bruno Rossi Lecturer, MIT 2002

UCSC Astronomy and Astrophysics Dept Distinguished Visitor 2003

Van Winter Memorial Lecture, University of Kentucky 2003

NOVA Lecturer, Groningen, Leiden and Amsterdam Universities 2005

Thomas Gold Lectures, Cornell University 2005

Beatty Lecturer McGill University 2006

Leigh Page Lecturer, Yale University 2007

Medal, Institut d'Astrophysique, de Paris 2007

Hubert M. James Lecturer, Purdue University 2008

Sarojini Damodaran International Fellowship, TIFR 2008

Raymond and Beverly Sackler Distinguished Visitor in Astrophysics CITA 2009

Raymond and Beverly Sackler Lecturer Princeton 2010

University of Alabama, Huntsville, Dept, Physics, Distinguished Lecturer 2010

Chandrasekhar Centenary Conference Public Lecture, Bangalore 2010

John N Bahcall Lecturer STSCI, GSFC, NASM 2011
Misel Family Lectures University of Minnesota 2011
Stanford Fellow 2011-12
Gold Medal, Royal Astronomical Society 2013
Greenstein Lecturer, Caltech 2013
Kingsley Visitor Caltech 2014
Physics Memorial Lecture UCSD 2014
Chair, 26th Solvay Conference, “Astrophysics and Cosmology”, 2014
Solvay Lecture, Univ. Brussels 2015
BBVA Lecture Madrid 2015
General Relativity Centenary Lecturer IIAP, Bangalore 2016
Crafoord Prize in Astronomy 2016
Zaffarano Lecture Iowa State University 2017
Jansky Lecturer, NRAO 2018
William of Ockham Lecturer, Merton College, Oxford 2019
Mendel Lecture, Brno 2019
Murray Lecture, CFA Harvard 2020
Solvay Professor, Solvay Institute Brussels 2020
American Astronomical Society Legacy Fellow 2020
Shaw Prize in Astronomy 2020

Major University Responsibilities

Caltech Faculty Board, 1983-5 (Steering Committee, 1983-84)
PMA Division Chair Search Committee 1988, 1993(Chair)
Provost Search Committee 1995
Academic Freedom and Tenure Committee, 1995-98 (Chair, 1996-98)
Librarian Search Committee 2000
Vice President for Student Affairs Search Committee 2002
SLAC- Particle & Particle Astrophysics Director Search Committee 2007 (Chair)
SLAC – Director Search Committee 2007
SLAC - Deputy Director Search Committee 2008-9
SLAC – Director Search Committee 2011- 12(co-Chair)

Professional Service Activities

Astronomy Survey Committee, 1981 - Panel on Theoretical and Laboratory Astrophysics
Advisory Committee on Astronomical Sciences, National Science Foundation, 1982-5 (Chair, 1985)
National Research Council Survey Committee on Physics of Plasmas and Fluids, 1984-85
Space and Astrophysical Plasmas Subcommittee 1984-85
Institute for Theoretical Physics Advisory Board, 1985-8
National Academy of Sciences, Space Science Board, 1985-8
Astronomy Survey Committee - Panels on UV-Optical from Space and on Science Opportunities 1991
Max Planck Institut für Astrophysik, Garching. Fachbeirat 1992-2000, (Chair 1996-1998)
University of Chicago Physics Dept. Visiting Committee 1993
University of California, Santa Barbara Physics Dept. Visiting Committee (Chair 1994)

University of California, Santa Cruz Astronomy Dept. Visiting Committee 1995
AFEC-II Foreign Evaluation of Dutch Astronomy 1996
Harvard University Astronomy Department Visiting Committee 1998- (Chair 2000-2006)
NASA Space Science Advisory Committee, Structure and Evolution of the Universe
Sub-Committee (Chair 1996-99)
McDonnell Foundation Centennial Fellowships Advisory Committee, Cosmology and
Astrophysics Panel 1997-1999 (Chair 1998-1999)
University of Virginia Dept. Astronomy Visiting Committee; Chair 1998
Astronomy and Astrophysics Survey Committee, Panel on High Energy Astrophysics from
Space; Chair 1998-2000
External Review Committee University of Pennsylvania Physics Dept. 1999
NRC Committee on Physics of the Universe 2000-2002
International Review of Physics in the UK 2000, 2005
Princeton University Physics Dept. Advisory Committee 2001-2004
University of Michigan Astronomy Dept. Visiting Committee 2002
National Science Foundation, Directorate for Mathematics and Physical Sciences Advisory
Committee 2001-2004
National Academy of Sciences, Space Studies Board 2002-2006
National Research Council, Committee on Astronomy and Astrophysics, Co-Chair 2002-
2006
NSF/DOE VERITAS-4 Review Panel; Chair 2002
Annual Reviews Astronomy and Astrophysics, Associate Editor 2002-2004, Editor 2005-2010
Los Alamos National Laboratory, Theoretical Division, Advisory Committee 2002-2008
MIT Physics Advisory Committee 2003-
NRAO Visiting Committee 2003- 2006
Canadian Institute for Advanced Research, Cosmology and Gravity Advisory Board, 2004-
Columbia Physics Dept. Visiting Committee 2004
JPL Visiting Committee on Science, 2004-2008
National Science Foundation, Division of Astronomical Sciences, Optical, Infrared Astronomy
Roadmap Team 2004-
National Research Council: Mid-Course Review of Astronomy Panel 2004-2005
IN2P3 Hess II Evaluation Committee (Chair) 2005
National Science Foundation Division of Astronomical Sciences, Senior Review (Chair) 2005-
2006
National Virtual Observatory Advisory Committee 2005-2006
Deutsche Forschungsgemeinschaft (DFG) Galaxy Evolution Program Review 2007
Princeton University Dept. of Astrophysical Sciences Visiting Committee 2007.
Keck Foundation Scientific Advisory Committee 2007
Kavli Institute for Cosmological Physics, External Advisory Board 2007-2009; Chair 2007-8
Spitzer Space Telescope Cryo Mission Advisory Committee; 2007
University of California, Berkeley Dept. Astronomy, External Review Committee, 2008
Miller Institute Advisory Board 2008-2011
NOVA International Advisory Board 2008-12
Astronomy and Astrophysics Decadal Survey 2008-2010; Chair
Astroparticle Physics Panel, Helmholtz Foundation Program Committee, Chair 2008-2010

International Center for Theoretical Sciences, Bangalore, India, International Advisory Committee. 2008-
Netherlands Organization for Scientific Research – ASTRON. Review committee 2011-14
Fermilab Physics Advisory Committee 2011-2014
NRC Committee on “The Science of Team Science”; 2013-4
26th Solvay Conference on Physics; “Astrophysics and Cosmology”; Chair 2014
Solvay Conference Advisory Board 2014-
Cerenkov Telescope Array Science and Technology Advisory Committee; Chair 2013-
Caltech Physics Mathematics and Astronomy Division Visiting Committee 2013.
Northwestern University Physics Dept. Visiting Committee 2014
NRC Committee to Assess the Astrophysics Focused Telescope Assets (AFTA) Mission Concepts 2014
NRC Committee on “Survey of Surveys” 2014-15
Miller Institute Advisory Board 2014-17
Academia Sinica Institute of Astronomy and Astrophysics Review 2015-
NSERC Expert Review Committee of CITA 2015
Science Philanthropy Alliance Advisory Group 2014-
International Astronomical Union: US National Committee 2016-2018 Vice Chair 2017
UCSC Astronomy Dept Visiting Committee 2016 (Chair)
HEDLA – XI Workshop 2016 – Chair SOC
Spinoza Prize Committee 2016-19
Laboratory Astroparticule et Cosmologie (APC) Scientific Council 2016-
Weizmann Institute of Science Scientific and Academic Advisory Committee for Astrophysics and Astroparticles Program (Chair 2015)
Astroparticle Physics International Forum 2016- (Chair)
NSF AST Division Director Advisory Committee 2016-
Academia Sinica Institute of Astronomy and Astrophysics Advisory Committee 2017-
University of Colorado Dept. Astrophysics Visiting Committee 2017
Major League Baseball Home Run Research Task Force 2017-8
Associate Editor Journal Plasma Physics 2017-
RIKEN-ITHEMS review committee 2019
Fachbeirat, Max-Planck Institut fur Radioastronomie, Bonn 2019-
Fachbeirat, Max-Planck Insitut fur KernPhysik, Heidelberg 2020-