

Ian Smail

PERSONAL DETAILS

Full name: Ian Robert Smail

Address:	Centre for Extragalactic Astronomy, Department of Physics, Durham University, South Road, Durham DH1 3LE, UK.	Tel:	+44 191 334 3605
		Fax:	+44 191 334 3645
		E-mail:	ian.smail [at] durham.ac.uk
		ORCID/ResearcherID:	0000-0003-3037-257X/M-5161-2013
		Nationality:	British.

CURRENT POST

I hold an ERC Advanced Grant to support my research during 2013–2018, I also hold a Royal Society Wolfson Merit Award covering the same period. I have held a personal Chair at Durham since April 2004 and I was the Founding Director of the Centre for Extragalactic Astronomy in the Physics Department at Durham University and also Managing Director of the Durham Astronomy Research Cluster.

EDUCATION

Undergraduate: 1986–1989 Emmanuel College, University of Cambridge.

Degree: Hooper Scholarship.
M.A. (Hons) Physics and Theoretical Physics
(Natural Sciences Tripos).

Postgraduate: 1989–1993 University College, University of Durham.

Degree: Ph.D. in Astronomy.
Title: Gravitational Lensing by Rich Clusters.
Supervisor: Prof. Richard Ellis FRS CBE.

RESEARCH CAREER

1993–1995 NATO Advanced Research Fellow in the Physics, Maths and Astronomy Division of the California Institute of Technology.

1995 Carnegie Fellow at the Observatories of the Carnegie Institution of Washington.

1996–1998 PPARC Advanced Fellow in the Department of Physics, University of Durham.

1998–2008 Royal Society University Research Fellow in the Department of Physics, Durham University.

2001–2003 Philip Leverhulme Prize Fellow in the Department of Physics, University of Durham.

2004– Professor, Department of Physics, Durham University.

2009–2015 Head of Astronomy, Department of Physics, Durham University.

2011–2013 Leverhulme Research Fellow, Durham University.

2013–2018 ERC Advanced Grant Laureate, Durham University.

2013–2018 Royal Society Wolfson Merit Award Holder, Durham University.

2015–2017 Director, Centre for Extragalactic Astronomy, Department of Physics, Durham University.

2015–2017 Managing Director, Durham Astronomy Research Cluster, Durham University.

1996–1997 Visiting Research Associate at the Observatories of the Carnegie Institution of Washington.

1998 Honorary Visiting Fellow in the School of Physics, University of New South Wales, Sydney.

2006– International Astronomical Union Member.

COMMITTEES AND POSTS

- 1998 Member of GBFC Advisory Panel – “*Astronomy in the Next Decade*”.
- 1998–2001 Member of UK Infrared Telescope Time Allocation Committee.
- 1999–2001 Member of UK Infrared Telescope Board.
- 1999–2000 Member of the Astronomy Panel of the PPARC Long-Term Science Review (“Vision” Panel).
- 2001 Member of the PPARC Oversight Committee.
- 2001–2010 External Project Scientist for SCUBA-2.
- 2003 Member of the Cycle 13 *Hubble Space Telescope* Peer Review Panel.
- 2003–2006 Member of the PPARC ALMA Oversight Committee.
- 2003–2004 International Referee for Subaru Telescope TAC.
- 2003 Member of the SOC for “*Multiwavelength Mapping of Galaxy Formation and Evolution*” ESO/MPA Conference, Venice.
- 2003 Chair SCUBA-2 Software Preliminary Design Review.
- 2004–2008 Member of the PPARC *JWST*-MIRI Oversight Committee.
- 2004–2007 Member of the PPARC Observational Astronomy Grants Panel.
- 2004 Member of the SOC for “*The Role of Mergers and Feedback in Galaxy Evolution*” Workshop, Ringberg.
- 2004–2005 Member of the JCMT Survey Steering Group.
- 2005–2007 Reviewer for Royal Society Short Visit and Conference Grants.
- 2005 Member on Cycle 2 *Spitzer Space Telescope* Peer Review Panel.
- 2005 Member of the JCMT International Review Panel.
- 2005 Session organiser, National Astronomical Meeting, Birmingham.
- 2005–2008 Member of the Royal Society Conference and Short Visit Grants Panel.
- 2006 Member of the SOC for “*Galaxy Evolution across the Hubble Time*” Symposium # 235, IAU Conference, Prague.
- 2006 Co-chair of the LOC for the “Cosmic Frontiers” Conference, Durham.
- 2006 Chair of ad-hoc JCMT Panel on Commissioning.
- 2006 Member of the ASTRONET EU FP6 ERA-Net.
- 2006–2007 Reviewer for the STFC Fellowships Panel.
- 2007–2010 Member of the STFC Astronomy Grants Panel.
- 2007 Member of the Scientific Organising Committee for the “*Galaxy Growth in a Dark Universe*” Conference, Heidelberg.
- 2007 Member of the Scientific Organising Committee for the “*Gas Accretion and Star Formation in Galaxies*” Conference, Munich.
- 2007 Chair of the SCUBA-2 Commissioning Plan Review Panel.
- 2007 International referee for Subaru Telescope TAC.
- 2007 Expert external reviewer for STFC Project Peer Review Panel.
- 2007 Member of the SCUBA-2 Advanced Data Product Review Panel.
- 2007 Member of the STFC Far-IR and Submm Advisory Panel.
- 2007 External advisor for the 2008 National Astronomy Meeting SOC.
- 2007–2008 Member of the JCMT International Time Allocation Panel.
- 2007–2010 Member of the JCMT Time Allocation Panel.
- 2007–2013 Member of the STFC ALMA Oversight Committee.
- 2008–2010 Member of the VLA/VLBA Referee Panel.
- 2009 Advisor to the ESO Observing Programme Committee.
- 2010 Member of the Physical Sciences Grants Panel of the Norwegian Research Council.
- 2011 Member at Large on the ESO Observing Programme Committee.
- 2011–2012 Deputy Chair of the STFC Astronomy Grants Panel.
- 2011 Member of the LOC for the “*Galaxy Formation*” Conference, Durham.
- 2012 Member of the SOC for the “*The intriguing life of massive galaxies*” Conference, IAU, Beijing.
- 2012–2013 OPC Panel member of the ESO Observing Programme Committee.
- 2014–2016 Chair of the STFC Astronomy Grants Panel.
- 2014 Member of the “*France–Europe 2020*” Panel for the French Agence Nationale de la Recherche.

- 2014–2017** Associate Editor, Royal Society Open Science journal.
- 2014** External panel member for Chair interviews, Dept. Physics, Lancaster University
- 2014–2018** UK member of the ESO Scientific Technical Committee (STC).
- 2014–2018** Member of the European ALMA Science Advisory Committee (ESAC).
- 2014–2018** Member of the UK ESO Committee.
- 2014–2018** Member of the UK E-ELT Oversight Committee.
- 2014–2018** Member of the UK ALMA Oversight Committee.
- 2014–2018** Member of the UK Optical/Near-infrared Users Committee.
- 2015–2019** Deputy Chair, ESO Scientific Technical Committee (STC).
- 2015–2017** Chair of the Physics Advisory Panel, Jeremiah Horrocks Institute, University of Central Lancashire
- 2017** Chair of the LOC “*SMG20 – Twenty years of Submillimetre Galaxies: Star-forming galaxies at high redshifts*” Conference, Durham.
- 2016** Member of Strategic Advisory Panel for the Institute of Cosmology & Gravitation, University of Portsmouth
- 2017** Vice-chair of the Strategic review of Radio Astronomy, STFC
- 2019–2025** Member of the International Visiting Panel, MPIA, Heidelberg.

In addition, I act as a referee for Nature, Science, MNRAS, ApJ, A&A and AJ. I am an external reviewer for the Canadian Gemini, CFHT and JCMT TACs, the Canadian, Italian, French, Dutch, Swiss, Chilean, Cypriot, Russian and South African national funding bodies (NSERC, INAF, CNRS & ANR, NWO, SNF, FONDECYT, RPF and NRF respectively), and for the European Research Council, Royal Society, Leverhulme, Guggenheim, Alexander von Humboldt and United States-Israel Binational Science foundations. I have provided formal opinions on tenure hires and promotions at the Universities of Cambridge, Nottingham, Northumbria, Central Lancashire, Hertfordshire, Arizona, Haverford College, Rutgers, Pennsylvania, UC San Diego, UCL, the Australia Telescope National Facility, the US National Optical Astronomy Observatories, Caltech/NASA’s IPAC Center and the South African National Research Foundation.

PhD Students

- 1998–2001** Dr. Kevin Pimblet. “*Stellar populations of X-ray luminous clusters at $z = 0.1$* ”. Senior Lecturer, Hull University. (co-supervised with Dr. A. Edge).
- 1999–2002** Dr. Graham Smith. “*Gravitational lensing by X-ray luminous galaxy clusters*”. Reader, University of Birmingham.
- 2003–2005** Dr. Mark Swinbank. “*Mapping the dynamics, star-formation rates and chemical properties of galaxies with integral field spectroscopy*”. Senior Lecturer, Durham University. (co-supervised with Prof. R. Bower).
- 2005–2007** Dr. James Geach. “*Obscured activity and the role of environment on galaxy evolution at high redshift*”. Royal Society Fellow, University of Hertfordshire.
- 2007–2009** Dr. Julie Wardlow. “*The role of obscured activity in galaxy formation*”. Rutherford Fellow, Durham.
- 2009–2014** Dr. Alice Danielson. “*Gas, dust and stars in high-redshift galaxies*”. Science outreach coordinator, Exeter University.
- 2011–2015** Dr. James Simpson. “*ALMA studies of high-redshift starburst galaxies*”. EAO Fellow, ASIAA/NAOJ.
- 2015–** Stuart Stach. “*Surveys of ultraluminous activity in the distant Universe*”. Third year PhD student, Durham University.
- 2018–** Jack Birkin. “*The physics of strongly star-forming galaxies at high redshifts*”. First year PhD student, Durham University.

I have also worked with David Gilbank (funded by my Leverhulme Trust Prize) and STFC-funded PDRAs: Jason Stevens, Bodo Zeigler, Michael Balogh, Kristen Coppin, James Geach, Yuichi Matsuda, John Stott, Yusei Koyama, Alex Karim, Alasdair Thomson, Chris Harrison, and ERC-funded PDRAs Cheng-Jiun Ma, Chian-Chou Chen, Bitten Gullberg and Elizabeth Cooke.

RESEARCH TOPICS

My research interests cover three areas in Extragalactic Astronomy: dust-obscured starburst galaxies; environmental influences on galaxy formation and gravitational lensing by galaxies and clusters of galaxies. I have worked in the latter two fields since the early 1990s, while my work on dust-obscured starburst began with the discovery of the submillimetre galaxy population in 1997. My refereed publications are roughly evenly divided between these three areas and I have supervised PhD students working in all three areas.

The NASA ADS database lists over 40,000 citations to my 427 refereed publications, with over 3,800 citations to my 33 first-author papers. One hundred and thirteen of my papers have been cited more than 100 times each, 30 of my papers are in the top 1% of most-highly-cited papers published in their month and my H-index is 105.

GRANT INCOME

- 1993–1995 SERC, NATO Advanced Fellowship, £90 K (PI).
- 1994–1995 NASA, *ROSAT* award, \$9 K (PI).
- 1995–1995 Carnegie Foundation, Carnegie Fellowship, \$55 K (PI).
- 1995–1996 STScI, *HST* Cycle 6 award, \$24 K (PI).
- 1995–1998 PPARC, Visiting Fellows support, £13 K (co-I).
- 1996–2001 PPARC, Advanced Fellowship, £160 K (PI).
- 1996–2000 PPARC, Durham Extragalactic Astronomy rolling grant, £1,012 K (co-I).
- 1998–2001 PPARC, Visiting Fellows support, £19 K (co-I).
- 1998–2002 PPARC, Durham Extragalactic Astronomy rolling grant, £1,357 K (co-I).
- 1998–2000 British Council, Anglo-French Alliance grant, £15 K (co-PI).
- 1998–1998 Royal Society/Australian Research Council, Visit grant, £5 K (PI).
- 1998–2008 Royal Society, University Research Fellowship, £504 K (PI).
- 1998–2008 Royal Society, research expenses, £111 K (PI).
- 1999–2002 PPARC, PATT travel grant, £30 K (co-I).
- 2000–2003 PPARC, PDRA in Submillimetre Astronomy Standard grant £161 K (PI).
- 2001–2003 Leverhulme Trust, Phillip Leverhulme Prize Fellowship £50 K (PI).
- 2001–2003 DAIWA Trust, DAIWA Adrian Prize £15 K (co-I).
- 2001–2004 PPARC, Visiting Fellows support, £28 K (co-I).
- 2002–2004 PPARC, National Public Understanding of Science Large award, £80 K (co-I).
- 2002–2006 PPARC, Durham Extragalactic Astronomy rolling grant, £1,350 K (co-I).
- 2003–2005 PPARC, PATT travel grant, £35 K (co-I).
- 2004–2006 PPARC, National Public Understanding of Science Large award, £90 K (co-I).
- 2005–2007 PPARC, Visiting Fellows support, £30 K (co-I).
- 2006–2008 STFC, PATT travel grant, £38 K (co-I).
- 2008–2010 STFC, Visiting Fellows support, £40 K (co-I).
- 2009–2011 STFC, PATT travel grant, £40 K (co-I).
- 2005–2009 PPARC, Durham rolling grant, £2,092 K (co-I).
- 2008–2012 STFC, Durham Observational rolling grant, £2,450 K (co-I).
- 2011–2013 STFC, Visiting Fellows support, £56 K (co-I).
- 2011–2015 STFC, Durham Observational rolling grant, £2,716 K (PI).
- 2011–2013 Royal Society/Leverhulme Trust, RS/Leverhulme Senior Fellowship, £41 K (PI).
- 2012–2013 STScI, *HST* Cycle 12 award, \$104 K (co-I).
- 2013–2017 European Research Council, ERC Advanced Programme grant, £1,730 K (PI).
- 2013–2017 Royal Society, Wolfson Merit award, £75 K (PI).
- 2012–2014 STFC, PATT travel grant, £44 K (co-I).
- 2014–2016 STFC, Durham Consolidated grant, £7,409 K (PI).
- 2014–2015 STFC, Additional Funding – Durham Consolidated grant, £125 K
- 2017–2020 STFC, Durham Consolidated grant, £7,377 K (PI).