

Section b. Curriculum vitae (max. 2 pages)

PERSONAL INFORMATION

ROSS, Nicholas P.

ORCID: 0000-0003-1830-6473

Date of birth: 16th July 1980

Nationality: British

URL for website: <http://www.roe.ac.uk/~npross>

EDUCATION

2003 - 2007 Ph.D., Astrophysics, Dept. of Physics, University of Durham, U.K.,
“The Clustering and Evolution of Massive Galaxies”, Advisor: Prof. Tom Shanks

1999 - 2003 M.Sci., (a 4 year combined Bachelors and Masters), Physics & Astronomy,
Dept. of Physics, University of Durham, U.K. First Class Honours,

CURRENT POSITIONS

2014 - present STFC Ernest Rutherford Fellow, University of Edinburgh, U.K.

PREVIOUS POSITIONS

2016 - 2017 Co-Founder and Chief Data Scientist, String Security, Inc., San Francisco, USA

2013 - 2014 Research Assistant Professor, Dept. of Physics, Drexel University, Philadelphia, U.S.A.

2009 - 2013 Project Scientist, Physics Division, Lawrence Berkeley National Lab, Berkeley, U.S.A.

2007 - 2009 Postdoctoral Scholar, Dept. of Astronomy and Astrophysics,
Pennsylvania State University, State College, U.S.A.

FELLOWSHIPS AND AWARDS

2014 – 2019 Science & Technology Facilities Council Ernest Rutherford Fellowship

PUBLICATION RECORD

h-index of 59

Author on 118 published papers Total number of citations: 14,942 (126.6 citations/paper)

Binomial author on 9 published papers Total number of citations: 824 (82.4 citations/paper)

GRANTS/FUNDING OBTAINED

STFC Ernest Rutherford Fellowship (PI.) €679,569

NASA *Spitzer Space Telescope* Cycle 9, 820 hours (Lead Co-I) €359,745

NASA *Hubble Space Telescope* Cycle 20, 18 orbits (P.I.) €87,330

NASA *Swift* XRT and UVOT ToO observations, Cycle 5, 17.8ks (P.I.) €27,820

Chandra Cycle 12 Co-I Archival proposal “The Dark Matter-AGN-Weak
Lensing connection” (co-I) €41,912

SUPERVISION

2015- David Homan, University of Edinburgh PhD student

2015 Thomas Kemp, University of Edinburgh MSc student

2013 - John Timlin, Drexel University Graduate Student, Philadelphia, USA
(On Ph.D. Dissertation Committee)

2013 - 2014 Victoria Tielebein, Drexel University Senior Thesis (Final Year UG) Student,
Philadelphia PA, USA

2009 - 2012 Jessica Kirkpatrick, UC Berkeley Graduate Student, Berkeley CA, USA

2009 - 2010 Rachel Kennedy, UC Berkeley Honors Student, Berkeley CA, USA

2008 - 2009 Michael Peth, Pennsylvania State University Honors Student, State College PA, USA

APPOINTMENTS AS EXTERNAL EXAMINER

- 2016 Ben Chehade, PhD, “*The luminosity and redshift dependence of quasar clustering*”, University of Durham
- 2016 Behzad Ansarinejad, M.Res, “*An Empirical Analysis of Baryon Acoustic Oscillations in Galaxy and Quasar Clustering*”, University of Durham

TEACHING ACTIVITIES

- 2015, 2016 Examples Class Supervisor, *Introduction to Astrophysics*, University of Edinburgh
- 2009 Lead Instructor, *Astro 010: Introduction to Astronomy*, Penn State University
- 2007 Postgraduate Instructor, *Stars and Galaxies* course, Durham University

ORGANISATION OF SCIENTIFIC MEETINGS

- 2017 Co-Chair SOC *Unveiling the Physics Behind Extreme AGN Variability*
University of the Virgin Islands, St. Thomas, U.S. Virgin Islands.
- 2016 Chair S/LOC *JWST@ROE* University of Edinburgh, International meeting
- 2015 Chair S/LOC *Quasar Day* University of Edinburgh, National meeting,
- 2014 SOC Member *Multi-wavelength Heritage of Stripe 82 Workshop*, Princeton University
- 2011 SOC Chair *SDSS-III BOSS Quasar Working Group* meeting, Princeton University

COMMISSIONS OF TRUST

- Referee *Physical Review Letters*
Monthly Notices of the Royal Astronomical Society
The Astrophysical Journal
The Astronomical Journal
Journal of Cosmology and Astroparticle Physics
- Reviewer for the NASA Postdoctoral Fellowship Program
- Session Chair, “Wide-Field Surveys and QSO Physics” Parallel, UK National Astronomy Meeting, 2015.
- Founder “Astronomers for America” and “Scots for Science”

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

- Fellow Royal Astronomical Society (since July 2004)
- Full Member American Astronomical Society, (since Nov 2009)
- Founder “Astronomers for America”

PRESS RELEASES

- 2012 BOSS Lyman- α Forest BAO Detection (incl. image credit)
- 2012 Quasar Broad Absorption Line Disappearance
- 2009 SDSS-III: BOSS First Light

SELECTED OUTREACH

- 2015, 2016 ROE Open Day
- 2013, 2014 Public Observing Nights, Drexel University
- 2012 LBNL Open House
- 2008, 2009 Penn State In-Service Workshop in Astronomy
- 2008, 2009 Penn State Astronomy and Astrophysics annual “AstroFest”

MAIN COLLABORATORS

- John Timlin (PhD student, Drexel University) Prof. Gordon Richards (Drexel University)
- Prof. Andy Lawrence (UEDIN) Prof. David Aspinall (School of Informatics, UEDIN)
- Prof. Fred Hamann (UC Riverside) Prof. Nadia Zakamska (Johns Hopkins)
- Dr. Chelsea MacLeod (former PDRA in UEDIN research group; now PDRA CfA, Harvard)
- Dr. Isabelle Pâris (formerly Aix-Marseille Université)
- Prof. Patrick Petitjean (Institut d’Astrophysique de Paris)

Appendix: All on-going and submitted grants and funding of the PI (Funding ID)
Mandatory information (does not count towards page limits)

On-going Grants

<i>Project Title</i>	<i>Funding source</i>	<i>Amount (Euros)</i>	<i>Period</i>	<i>Role of the PI</i>	<i>Relation to current ERC proposal</i>
STFC Ernest Rutherford Fellowship (ERF)	STFC, U.K.	679,569	01-OCT-2014 to 30-SEP-2019	To perform world leading research, either independently, or with collaborators of the PIs choice.	Current ERF grant has research linked to, but in no way overlapping with ERC proposal. Latest results from current research will be the preliminary data for the novel research proposed here.

Grant applications

n/a