

**EDUCATION**

- 2003 - 2007 Ph.D. in Astrophysics, **University of Durham**, U.K.  
*"The Clustering and Evolution of Massive Galaxies"*  
 Advisor: Prof. Tom Shanks
- 1999 - 2003 M.Sci., Physics & Astronomy, **University of Durham**, U.K.  
 First Class Honours, Fourth Year Advisor: Prof. Shaun Cole

**POSITIONS**

- 2016 - 2017 Chief Data Scientist  
**String Security, Inc.**, San Francisco, USA
- 2014 - STFC Ernest Rutherford Fellow  
**University of Edinburgh**, U.K.
- 2013 - 2014 Research Assistant Professor  
**Drexel University**, U.S.A., Advisor: Prof. Gordon T. Richards
- 2009 - 2013 Postdoctoral Researcher/Project Scientist, Berkeley Cosmology Group  
**Lawrence Berkeley National Lab**, U.S.A., Advisor: Dr. David J. Schlegel
- 2007 - 2009 Postdoctoral Research Scholar, Dept. of Astronomy and Astrophysics  
**Pennsylvania State University**, U.S.A., Advisor: Prof. Donald P. Schneider

**FELLOWSHIPS AND AWARDS**

- 2014 – 2019 Science & Technology Facilities Council  
**Ernest Rutherford Fellowship**  
 Senior Research Fellowship, *University of Edinburgh*

**PUBLICATION RECORD**

Author on 118 published papers	Total number of citations:	14,942	(126.6 citations/paper)
First author on 6 published papers	Total number of citations:	640	(106.7 citations/paper)
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**GRANTS/FUNDING OBTAINED**

STFC Ernest Rutherford Fellowship (PI.)	\$831,481
NASA <i>Spitzer Space Telescope</i> Cycle 9, 820 hours (Lead Co-I)	\$440,163
NASA <i>Hubble Space Telescope</i> Cycle 20, 18 orbits (P.I.)	\$106,852
NASA <i>Swift</i> XRT and UVOT ToO observations, Cycle 5, 17.8ks (P.I.)	\$34,039
<i>Chandra</i> Cycle 12 Co-I Archival proposal "The Dark Matter-AGN-Weak Lensing connection" (co-I)	\$51,281

**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 PA, USA  
 (On Ph.D. Dissertation Committee)
- 2013 - 2014 **Victoria Tielebein**  
 Drexel University Senior Thesis 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 Joint Instructor, *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

### COMMUNITY SERVICE

- 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- $\alpha$  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”

***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.	674,663	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 not overlapping with ERC proposal. ERC proposal would build-on, and is a novel extension to, the current research programme.

**Grant applications**

*n/a*