

CURRICULUM VITAE – BEN GREEN

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Date of birth 27 February 1977

In brief

I am the Waynflete Professor of Pure Mathematics at Oxford University. My work involves analysis, combinatorics and number theory, and I am particularly interested in prime numbers.

School education summary

01/1982 – 07/1988 Bishop Road Primary School, Bristol, England
09/1988 – 07/1995 Fairfield Grammar School, Bristol, England

University education

09/1995 – 06/1998 BA in Mathematics at Trinity College, Cambridge
First class in all three years
09/1998 – 06/1999 Certificate of Advanced Study in Mathematics (Part III)
with distinction
09/1999 – 10/2002 PhD, Cambridge University.
Thesis title: Topics in arithmetic combinatorics
Supervisor: Prof W.T. Gowers FRS
09/2000 – 05/2001 Visiting graduate student, Princeton University

Positions held

10/2001 – 09/2005 Fellow under Title A, Trinity College Cambridge
01/2003 – 04/2003 EU postdoctoral researcher, Alfréd Rényi Institute, Budapest
09/2003 – 08/2004 PIMS postdoctoral fellow in number theory, UBC, Vancouver
01/2005 – 09/2006 Professor of Pure Mathematics, University of Bristol
07/2005 – 06/2007 Clay Research Fellow
09/2005 – 12/2006 Visiting Professor, MIT
09/2006 – 07/2013 Herchel Smith Professor of Pure Mathematics, University of Cambridge
09/2007 – 12/2007 Member, IAS Princeton
09/2009 – 06/2010 Radcliffe Fellow, Harvard University
08/2013 – Waynflete Professor of Pure Mathematics, University of Oxford

Awards and honours

- 2001 Smith's Prize, Cambridge University
- 2004 Clay Research Award
- 2005 London Mathematical Society Whitehead Prize
- 2005 Salem Prize
- 2006 Ostrowski Prize (2005, joint with T. Tao)
- 2007 SASTRA Ramanujan Prize
- 2008 European Mathematical Society Prize
- 2010 Fellow of the Royal Society

Grants awarded

- 2006 Philip Leverhulme Prize (70000 pounds)
- 2011 Leverhulme Visiting Professorship on behalf of B. Sudakov (25000 pounds)
- 2011 ERC Starting Grant (1m Euros)

Talks and invitations

I have given 202 talks at institutions in 19 countries, including many departmental colloquium and distinguished lectures. A full list is available on my website. The following contains selected highlights.

- 05/05 Calderón-Zygmund Lectures, Chicago
- 01/06 MAA Invited Lecture, San Antonio Joint Meeting
- 08/06 ICM Section Speaker (number theory), Madrid
- 05/07 Wolff Memorial Lectures, Caltech
- 12/07 Ramanujan Lecture, Kumbakonam
- 07/08 Prize Lecture, European Mathematical Congress
- 10/09 Cahit Arf Lectures, Turkey
- 09/10 Forder Lectures, New Zealand
- 04/13 Stanford (MRC Distinguished Lecture Series)
- 05/13 Gauss Lecture, Augsburg
- 12/13 Rademacher Lectures, University of Pennsylvania
- 04/14 Hadamard Lectures, Paris
- 04/14 Weierstrass Lectures, Paderborn
- 08/14 ICM Plenary Lecture, Seoul

I have also given a number of public lectures about mathematics to a general (not mathematical) audience. These include the Clay Lectures in Mathematics (2006), a public lecture at the Radcliffe Institute, Harvard (2010), a public lecture at the Royal Society (2012) and the Gauss Lecture in Munich in 2013. Finally, I appeared on *The Forum* on BBC Radio 4 to discuss prime numbers.

Workshops organised* or co-organised

LMS/Bristol Workshop on Additive Combinatorics*	September 5-9 2005.
MSRI Workshop on Discrete Rigidity Phenomena, Berkeley	November 3rd-7th 2009.
Gregynog Hall workshop on Groups and Additive Combinatorics*	June 27th-July 1st 2011.

Editorial duties

Glasgow Mathematical Journal	International Editor
Proceedings of Cambridge Philosophical Society	Managing Editor
Journal de Théorie des Nombres de Bordeaux	Editor
MathSciNet Reviews	Contributor (120 reviews so far)

Other professional duties

Member of various programme committees and prize committees
Director of studies and senior lecturer, Trinity College (2008–)
Pastoral tutor, Trinity College (2010–12)
Member of Buildings Committee, Trinity College (2007–13)
Member of Fellowship Shortlisting Committee, Trinity College (2012)

PhD students supervised

Lloyd Husbands	(MSc, Bristol 2010)
Olof Sisask	(PhD, Bristol 2009)
Vicky Neale	(PhD, Cambridge 2011)
Lilian Matthiesen	(PhD, Cambridge 2011)
Adam Harper	(PhD, Cambridge 2012)
Matthew Tointon	(PhD, Cambridge 2013)
Frederick Manners	(expected graduation 2016)
Sean Eberhard	(expected graduation 2016)
Przemysław Mazur	(expected graduation 2016)
Rudi Mrazovic	(expected graduation 2016)

Postdoctoral students

Boris Bukh	(2009–12)
Bob Hough	(2012–15)
Michael Bateman	(2012–15)
Yonatan Gutman	(2012–15)

Courses taught

Restriction and Kakeya Phenomena (24 hrs)	Part III, Cambridge	2002
Math 100 (36 hrs)	UBC, Vancouver	2003
Prime Numbers (24hrs)	Part III, Cambridge	2004
Additive Combinatorics (8hrs)	MIT	2005
Additive Number Theory (24hrs)	Part III, Cambridge	2007
Ergodic Theory (24hrs)	Part III, Cambridge	2008
Metric and Topological Spaces (12hrs)	Part IA, Cambridge	2008, 2009
Additive Combinatorics (24hrs)	Part III, Cambridge	2009
Additive Combinatorics (16hrs)	Harvard	2009
Linear Analysis (24hrs)	Part II, Cambridge	2010, 2011
Analytic Topics in Group Theory (24hrs)	Part III, Cambridge	2011
Prime Numbers (24hrs)	Part III, Cambridge	2012
Additive Combinatorics (24hrs)	Part III, Cambridge	2012
Topics in Analysis (24hrs)	Part II, Cambridge	2013