# CURRICULUM VITAE – BEN GREEN

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| **Name** | Ben Joseph Green FRS |
| **Address** | Mathematical Institute |
|  | Radcliffe Observatory Quarter |
|  | Woodstock Road |
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|  | England. |
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| **Webpage** | http://www.maths.ox.ac.uk/∼greenbj |
| **Date of birth** | 27 February 1977 |

**In brief**

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

**School education summary**

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

**University education**

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|---|---|
| 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**

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|---|---|
| 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
2014    Sylvester Medal
2019    London Mathematical Society Senior Whitehead Prize
2025    I. Martin Isaacs Prize of the AMS for Mathematical Writing

## 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)
2015    Simons Investigator Grant (renewed in 2020, 1m dollars)

## Talks and invitations (selected)

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 Distingushed Lecture Series)
05/13    Gauss Lecture, Augsburg
12/13    Rademacher Lectures, University of Pennsylvania
04/14    Hadamard Lectures, Paris
04/14    Weierstrass Lectures, Paderborn
05/14    Simons Lectures, MIT
08/14    ICM Plenary Lecture, Seoul
05/15    Bellow Lectures, Northwestern
09/21    Richard and Louise Guy Lecture

## Workshops organised* or co-organised

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|---|---|
| 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. |
| LMS-CMI research school on Bounded Gaps Between Primes | Sep 22nd-Sep 26th 2014. |
| Harvard Workshop on Additive Combinatorics | October 2017 |
| Timothy Gowers 60th birthday conference | April 2024 |

**Editorial duties**

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|---|---|
| Glasgow Mathematical Journal | International Editor |
| Proceedings of Cambridge Philosophical Society | Managing Editor (since 2012) |
| Journal de Théorie des Nombres de Bordeaux | Editor (until 2020) |
| Discrete Analysis | Editor (2016-present) |
| Algebra and Number Theory | Editor (2019-present) |
| Communications of the AMS | Associate Editor (2021-present) |
| MathSciNet Reviews | Contributor (316 reviews so far) |

**Other professional duties**

Member of various programme committees and prize committees including ICM, twice
Director of studies and senior lecturer, Trinity College (2008–)
Pastoral tutor, Trinity College (2010–12)
Buildings Committee, Trinity College (2007–13)
Fellowship Shortlisting Committee, Trinity College (2012)
Fellowship Committee, Magdalen College Oxford (2014-16)
Various Royal Society Committees
Abel Prize Committee, (2017-18)
Associate Head of Department (Research), Oxford (2020-22)

**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 | (D. Phil, Oxford 2016) |
| Sean Eberhard | (D. Phil, Oxford 2016) |
| Przemysław Mazur | (D. Phil, Oxford 2016) |
| Rudi Mrazovic | (D. Phil, Oxford 2016) |
| Jakub Konieczny | (D. Phil, Oxford 2017) |
| Aled Walker | (D. Phil, Oxford 2018) |
| Sofia Linqvist | (joint with Roger Heath-Brown, D. Phil, Oxford 2019) |
| James Aaronson | (D. Phil, Oxford 2020) |
| Daniel Altman | (D. Phil, Oxford 2023) |
| Zahcary Chase | (D. Phil, Oxford 2023) |
| Benjamin Bedert | (expected graduation 2025) |
| Cédric Pilatte | (joint with James Maynard, expected 2026) |
| Katherine Thomas | (joint with Thomas Bloom, expected 2027) |
| Aleksandra Kowalska | (expected graduation 2028) |

**Postdoctoral fellows**

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|---|---|
| Boris Bukh | (2009–12) |
| Bob Hough | (2012–15) |
| Michael Bateman | (2012–13) |
| Yonatan Gutman | (2012–14) |
| Miguel Walsh | (2013–14) |
| Sean Prendiville | (2015-16) |
| Eric Naslund | (visiting PhD student, 2015-16) |
| George Shakan | (2019-21) |
| Akshat Mudgal | (2021-24) |
| Yifan Jing | (2021-24) |

**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 |
| Ergodic Theory (16hrs) | Part C, Oxford | 2014, 2015 |
| Analytic Number Theory (16hrs) | Part C, Oxford | 2016, 2018, 2024 |
| Number Theory (8hrs) | Part A, Oxford | 2017, 2018, 2019, 2020 |
| Analysis III: Integration (8hrs) | Prelims, Oxford | 2017, 2018, 2019, 2020 |
| Algebraic Number Theory (16hrs) | Part B, Oxford | 2020, 2024 |
| Metric Spaces and Complex Analysis (first half, 16 hrs) | Part A, Oxford | 2020, 2021 |
| Additive and Combinatorial Number Theory (16hrs) | Part C, Oxford | 2018, 2019 |
| Additive Combinatorics (16hrs) | Part C, Oxford | 2022, 2023, 2025 |