# Giacomo Ageno

*Curriculum Vitæ*

*Department of Pure Mathematics
and Mathematical Statistics
University of Cambridge
UK*

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## Personal information

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|---|---|
| Place and date of birth | Albenga (Italy), March 13, 1992 |
| Citizenship | Italian |
| Language | Italian (native), English (fluent) |
| Civil status | single |

## Research Positions

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|---|---|
| Sept 2023 – present | **Research Associate**, *University of Cambridge* <br> Host: Prof. Pierre Raphaël |
| June 2023 – Aug 2023 | **Research Associate**, *University of Bath* <br> Host: Prof. Manuel del Pino |

## Education

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|---|---|
| Oct 2018 – April 2023 | **PhD in Mathematics**, *University of Bath* <br> Advisors: Manuel Del Pino & Monica Musso <br> Thesis: Infinite-time blow-up for the nonlinear heat equations in low dimension |
| Apr 2018 | **Master degree in Mathematics**, *Università degli Studi di Milano*, <br> Graduation date: 13 April 2018, grade: 110/110 cum Laude <br> Advisor: Bernhard Ruf <br> Thesis: On the De Giorgi-Nash-Moser theory and an application in fluid dynamics <br> Erasmus (1 semester) at Wrocław University of Science and Technology |
| 2016 | **Bachelor degree in Mathematics**, *Università degli Studi di Milano* |

## Research

### Preprint

[1] G. Ageno and M. del Pino. Infinite time blow-up for the three dimensional energy critical heat equation in bounded domains, 2023. **arXiv:2301.10442**

## Grants

| | |
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| 2018-2022 | Royal Society PhD grant (4 years). University of Bath |
| 2017 | Lombardy region grant for merit (1 year). Università degli Studi di Milano |
| 2017 | Erasmus scholarship (6 months). Università degli Studi di Milano |

## Teaching

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| 2019-2023 | **Teaching assistant**, *University of Bath* |
| | Tutorial classes for: mathematical analysis, complex analysis, probability, vector calculus and PDEs |

## Invited talks in seminars

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| October 2023 | Young researchers in PDEs, ICMAT Madrid, *Upcoming* |
| 16 March 2023 | Analysis Seminar, University of Bath |
| 29 May 2023 | Seminario di Analisi Matematica, Università degli Studi di Milano |

## Participation in conferences

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|---|---|
| Sept 2023 | Young researchers in PDEs, ICMAT Madrid |
| July 2023 | Non-linear elliptic PDE, ICMAT, Madrid |
| May 2023 | Advances in Nonlinear Analysis and Nonlinear Waves, a conference in honor of Frank Merle, Paris |
| May 2019 | Courses on PDE and Fluid Mechanics, Warwick |
| Feb 2019 | Winter School in Calculus of Variations, CIMI institute, Toulouse |
| Jun 2018 | $16^{th}$ School on Interaction between Dynamical Systems, and Partial Differential Equations, Barcelona |
| Jun 2018 | Summer School in Geometric Analysis, CIME, Cetraro |
| Jun 2018 | Nonlinear PDEs in Geometry and Physics, INDAM, Cortona |

## Referee for

Calculus of Variations and Partial Differential Equations