

Alba Dolores García Ruiz

[CUNEF UNIVERSIDAD](#)
Almansa 101, 28040 Madrid Spain
alba.garcia.ruiz@cunef.edu
[CUNEF Website](#)
[Google Scholar](#)
[ORCID](#)

EMPLOYMENT

- Assistant Professor (CUNEF Universidad) 01/09/2025-present
- PhD researcher Predoc ERC (ICMAT) 01/10/2021-15/07/2025
- SOMdM research Internship (ICMAT) 01/09/2020-30/06/2021

EDUCATION

- University Master in Mathematics and Applications (Universidad Autónoma de Madrid) 2020-2021
- Degree in Mathematics (Universidad de Granada) 2016-2020
- PhD in Mathematics (ICMAT-Universidad Autónoma de Madrid) 2025

FIELDS OF INTEREST

Mathematical Analysis, Partial Differential Equations, and Spectral Geometry.

PUBLICATIONS

- Enciso, Alberto; García-Ruiz, Alba; Peralta-Salas, Daniel: “Inverse localization and global approximation for some Schrödinger operators on hyperbolic spaces”, *J. Math. Phys.* 65, 062102, 2024.
- Enciso, Alberto; García-Ruiz, Alba; Peralta-Salas, Daniel: “Localization properties of high-energy eigenfunctions on flat tori”, *IMRN*. Vol.23, Issue 24, pages 20988–21014, 2024.

WORKING PAPERS

- García-Ruiz, Alba: “A relation between two different formulations of Berry’s conjecture”, arXiv Preprint, 2111.06810, 2023.
- Enciso, Alberto; García-Ruiz, Alba; Peralta-Salas, Daniel: “Local limits of high energy eigenfunctions on integrable billiards”, arXiv Preprint, 2502.01291, 2025.
- García-Ruiz, Alba; Ingremeau, Maxime: “Improved L^∞ Bounds Under Random Perturbations in a Confining Potential”, In preparation.

SELECTED PRESENTATIONS

CONFERENCES

Invited lecture (5h course) at the 14th International Summer School on Geometry, Mechanics and Control, Universidad de Burgos (Spain), 2022 (co-presented with Alberto Enciso); 1h talk at the AGAPI DAYS VII, Madrid (Spain), 2022; 1h talk at the Fifth meeting of the ANR ADYCT Laboratoire J. A. Dieudonné, Nice (France), 2023; Contributed talk at the RSME's 7th Congress of Young Researchers, Bilbao (Spain), 2025; Contributed talk at the Math SOMMa Junior Meeting, Centre de Recerca Matemàtica, Barcelona (Spain), 2024; Contributed talk at the VI Congreso de Jóvenes Investigadores de la RSME, Universidad de León (Spain), 2023; Contributed talk at the Young researchers in PDEs, ICMAT-UAM, Madrid (Spain), 2023.

SEMINARS

Seminar at the Probability & Statistics Group of the Université du Luxembourg, Belval Esch-sur-Alzette (Luxembourg), 2024; Seminar of the Groupe de Travail EDP et Théorie Spectrale of the Institut de Mathématiques de Bordeaux, Bordeaux (France), 2024; Partial Differential Equations and Numerical Analysis Seminar of the Lab. J. A. Dieudonné, Nice (France), 2023; Seminar of the Red de Doctorandos UCM (Madrid), 2023; Seminar of PDEs of the Mathematics Department of the UAM, Madrid (Spain), 2022

PROFESSIONAL ACTIVITIES

- Organizer of the Junior Joint Mathematical Colloquium ICMAT-UAM-UCM-UC3M, during the years 2022-2024
- Organizer of the Fifth BYMAT Conference (Bringing Young Mathematicians Together), that took place in Nov. 2023
- Organizer of the Parallel session of Geometric Analysis at the RSME's 7th Congress of Young Researchers, that took place in Jan. 2025
- Member of the [EMS Young Academy](#) since Jan. 2025
- Teacher of the [Pequeño Instituto de Matemáticas](#) between Sep. 2023 and May 2025
- Member of the [Mathematical Culture Unit](#) of ICMAT since Sep. 2024