

Oriol Romero-Isart

Brief CV as of December 11, 2023



Personal Information

Place of Birth Terrassa, Catalonia
Date of Birth May 16th 1981
Work Address IQOQI – Institute for Quantum Optics and Quantum Information of the Austrian Academy of Sciences, Technikerstr. 21a, 6020 Innsbruck, Austria.
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Education

2004–2008 **PhD Physics**, *Universitat Autònoma de Barcelona (UAB)*, Bellaterra, Catalonia, *Excellent cum laude and Extraordinary Prize*
Title: Quantum Information with Strongly Correlated Systems: from Engineering to Detection (Supervised by Prof. Anna Sanpera)
1999–2004 **Llicenciat (Graduate) in Physics**, *Universitat Autònoma de Barcelona (UAB)*, Bellaterra, Catalonia

Current Position(s)

2018–present **University Professor in Theoretical Quantum Physics**, *University of Innsbruck*, Austria
2018–present **Research Group Leader (Senior Research Associate)**, *Institute for Quantum Optics and Quantum Information of the Austrian Academy of Sciences*, Innsbruck, Austria
2021–present **Deputy Managing Director**, *Institute for Quantum Optics and Quantum Information of the Austrian Academy of Sciences*, Innsbruck, Austria

Previous Positions

2013–2018 **University Professor (tenure track) in Theoretical Quantum Physics**, *University of Innsbruck*, Austria

- 2013–2018 **Research Group Leader (Junior Director)**, *Institute for Quantum Optics and Quantum Information of the Austrian Academy of Sciences*, Innsbruck, Austria
- 2011–2013 **Associate Researcher**, *Max-Planck-Institute for Quantum Optics*, Garching, Germany
Theory Division led by Prof. J. I. Cirac
- 2009–2011 **Alexander von Humboldt Postdoctoral Fellow**, *Max-Planck-Institute for Quantum Optics*, Garching, Germany
Theory Division led by Prof. J. I. Cirac

Fellowships and Awards

- 2020 **ERC Synergy Grant (Corresponding PI)**, *European Research Council*
- 2015 **QIPC Young Investigator Award**
- 2013 **ERC Starting Grant**, *European Research Council*
- 2013 **Emmy Noether Research Programme (Declined)**, *German Research Foundation*
- 2012 **National Prize Investigador Novel en Física Teórica**, *Royal Physical Society of Spain and BBVA Foundation*
- 2011 **PhD Extraordinary Prize**, *Universitat Autònoma de Barcelona*
- 2009 **Humboldt Research Fellowship for Postdoctoral Researchers**, *Alexander von Humboldt Foundation*

Scientific Output

- Publications 75 scientific articles (5 under review): 26 Physical Review Letters, 1 Science, 3 Nature Physics, 1 Physical Review X, 1 PRX Quantum, 26 Physical Review (A, B, Applied, Research), 4 New Journal of Physics, and 8 others. 50 as first or last author.
- Talks 50+ invited talks at international conferences, 40+ invited seminars / colloquia at universities and research institutes worldwide
- Lecturer 6 invited lecturer in international schools
- Visits 65+ research visits at universities and research institutes worldwide

Funding ID

- Since 2013 +4.3 MEur total funding for my group: ERC Starting Grant (QSuperMag), ERC Synergy Grant (Q-Xtreme), 2 FET Open (MaQSenS and IQLev), 2 Marie Skłodowska-Curie Action (PWAQUTEC and DecoXtreme), 1 Feodor Lynen Research Fellowship.
- Since 2023 Member of the Board of Directors of the Cluster of Excellence QuantA (35 MEur).

Supervision & Teaching

- Since 2013 11 PostDocs (4 ongoing), 9 PhD students (4 defended, 4 ongoing, 1 terminated due to sickness), 12 Master Students (12 defended).
- Since 2013 Professor at the Institute for Theoretical Physics of University of Innsbruck. 8 hours of teaching per week and semester at the Bachelor (in German) and Master level. Supervision of 12 Bachelor theses.