

CV date	07/10/2021
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PERSONAL INFORMATION

Mir Garcia, Pau
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Current position

University/Institution	Universitat Politècnica de Catalunya
Department/Center	Escola Politècnica Superior d'Edificació de Barcelona. Departament de Matemàtiques. Laboratori de Geometria i Sistemes Dinàmics
Advisor	Eva Miranda Galcerán

Education

Degree/Master	University	Year
Degree in Mathematics	Universitat Autònoma de Barcelona	2019
Degree in Physics	Universitat Autònoma de Barcelona	2019
Master in Advanced Mathematics and Mathematical Engineering	Universitat Politècnica de Catalunya	2020

CV SUMMARY

Research interests: Symplectic Geometry, Dynamical Systems, Quantization, Rigidity

Studies: Double Bachelor Degree in Mathematics and Physics, UAB, 2019.
Master's Degree in Advanced Mathematics, UPC, 2020.

Research experience: Member of the research group *Geometria de Varietats i Aplicacions futur.upc.edu/GEOMVAP* (2017 SGR 932)
Member of the research group *Laboratori de Geometria i Sistemes Dinàmics* at UPC geodys.upc.edu/en.

Fellowships: Granted with *Beca d'Iniciació a la Recerca (INIREC-UPC)* from December 2019 to July 2020.
Funded by ICREA project of Eva Miranda Galcerán, Code V-00238.
Ranked 1st on FI-AGAUR grant at UPC
Selected for the FPI-UPC grant
Selected for the FPI grant
Selected for the INPhINIT Fellowship grant.

Internships: Member of the *Shelios-Ruta de las Estrellas 2013 scientific expedition*. Institut de Recerca en Energia de Catalunya, Barcelona, July 2015.
Centre d'Estudis Demogràfics, Bellaterra, July 2017.

Dissemination: Math Teacher at *Dissabtes de les Matemàtiques*, UAB, 2015-2019.
Organizer of BIYSC 2018 and BIYSC 2019 editions, Barcelona.
Teacher of Proves Cangur Preparation Sessions, UPC, 2019.

Publications

- *Rigidity of Cotangent Lifts and Integrable Systems*. Mir, P., Miranda, E. **Journal of Geometry and Physics**, 2020. [dx.doi.org/10.1016/j.geomphys.2020.103847](https://doi.org/10.1016/j.geomphys.2020.103847). Joint work with Eva Miranda and part of the Master's Thesis.
- *Geometric quantization via cotangent models*. Mir, P., Miranda, E. **Analysis and Mathematical Physics**, (2021). doi.org/10.1007/s13324-021-00559-4.

Conferences and meetings

- Participant at London International Youth Science Forum, London, July 2014.
- Participant at Hilbert-Bernays Summer School, Göttingen, 24-30 July 2016.
- Participant at 17th JISD, Barcelona, 17-21 June 2019.
- Poster presentation at Women in Geometry, Barcelona, 25-27 September 2019.
- Participant at GESTA School, Madrid, 10-14 December 2019.
- Talk at b-lab Virtual Meetings, Barcelona, 26 May 2020.
- Participant at Junior Global Poisson Workshop, online, 14-16 Setembre 2020.
- Participant at Global Poisson Seminars, online, 2020.
- Organization of Seminari Informal de Matemàtiques de Barcelona, 2020-2021.
- Talk at Symposium on Momentum Polytope Theory, ICMAT, July 2021.
- Problem assistant at GEOQUANT 2021 Geometry & Quantization School, Freiburg, 2021
- Problem assistant at Geometry and Dynamics of b-symplectic manifolds, Hénan, 2021