

PABLO LECHÓN ALONSO

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EDUCATION

MSc Computational Methods for Ecology and Evolution *September 2019 - September 2020*
Imperial College London (ICL)

B.S. in Physics (50 ECTS) *August 2018 - May 2019*
University of North Carolina at Chapel Hill (UNC).

- Relevant courses: Research in Astronomy (Final thesis) and Observational Astronomy (Graduate level)

- Average Grade: 8.75/10

B.S. in Physics (225 ECTS) *September 2014 - June 2018*
Universidad Complutense de Madrid (UCM).

- Relevant courses: Research in Astronomy, Computational Physics, Statistics and Data Analysis, Astrophysics and Extragalactic Astrophysics.

- Average Grade: 8.1/10

High school diploma in Science and Technology (GCE). *September 2012 - June 2014*
Colegio ESTUDIO .

- Average Grade: 9.59/10
- University entrance grade: 13.1/14

RESEARCH PROJECTS

Binning Code for 2D Spectroscopy. **Research supervisor: Dr. Sheila Kannappan (UNC)**
I wrote code to improve the signal-to-noise ratio (S/N) of spectroscopic data from the RESOLVE survey.

Star Forming Galaxies. **Research supervisor: Dr. Jesús Gallego Maestro (UCM)**
I used machine learning to detect the [O III] line at 4363 Å of hundreds of thousands of spectra from the Sloan Digital Sky Survey (SDSS) to determine underpinnings of galaxy evolution.

Metabolic Theory of Ecology **Research supervisor: Dr. Samraat Pawar (ICL)**
Currently contributing to develop theory on the effects of climate change (temperature) ecosystems.

ACADEMIC ACHIEVEMENTS

Excellence Award Scholarship (Ministry of Education Government of Spain) *2014-2015*

Trans Atlantic Science Student Exchange Program (TASSEP) Scholarship (UCM) *2018-2019*

Collaboration Scholarship (UCM) *2019*

PROFESSIONAL SKILLS

Programming Languages	Python, R, Matlab, Maple, SQL
Software & Tools	Latex, Github, Vim, Emacs, MacOS, Linux
Languages	Spanish (native) and fluent English (TOEFL iBT: 108/120).

EXTRA-CIRRICULAR

- Conference of Undergraduate Research (CUR) at UNC. Poster presentation *2019*
- Observation nights with SOAR telescope in Chile at the UNC remote observatory. *2019*
- UCM Science Week. Run workshops on the muon detector *2017*
- Completed a Stanford online course on Machine Learning. *2017*
- Completed a UCM online course on Introduction to python programming. *2018*
- "Challenges in life sciences-Redefining Disease" —A series of three meetings and one workshop. *2017*
- National Center of Biotechnology (CNB) Open Day —Attended two seminars on systems biology and macromolecular structures. *2017*
- Student Union Vicepresident Imperial College London (Silwood Park Campus) *2019*
- Climbing Society President Imperial College London *2019*
- Gender Equality Workshops at UCM *2017-2018*
 - "Detection and prevention of male violence in the university"
 - "Gender Equality and new social roles of men and women"
 - "Reflections on our masculinities. A critical analysis and healthy alternatives"
- Active member of INAKWA —an NGO that fights against gender inequality in Africa through education. *2019*
- Active member of Extinction Rebellion Spain —a socio-political movement which uses nonviolent resistance to protest against climate breakdown, biodiversity loss, and the risk of human extinction and ecological collapse. *2019*

HOBBIES

- Ultimate Frisbee
- Acoustic guitar
- Climbing
- Origami