

Pablo Romero Gómez (PRG) studied a Physics degree at the University of Córdoba, Spain (UCO). His grade was 8.2 (10). Then, in 2006 he joined the Nanotechnology on Surfaces Laboratory group in Materials Science Institute of Sevilla-National Researcher Council (ICMSE-CSIC) in Seville, Spain, where he started his PhD funded by a JAE-CSIC GRANT 06 studentship from the CSIC. During the development of his PhD thesis, he stayed as visiting student in prestigious research centers from Europe: the Fraunhofer Institute for Interfacial Engineering and Biotechnology IGB, the European Synchrotron Radiation Facility and the Forschungszentrum Dresden-Rossendorf. He obtained the PhD degree in 2011 with Cum Laude.

After finishing his PhD, the applicant moved to the Institute of Photonic Sciences (ICFO), where he has been working on improving the optical properties of organic photovoltaic cells. His main field of study is the efficiency enhancement of transparent organic solar cells by infrared light trapping. He has achieved a significant improvement of efficiency of over 30 % while maintaining the cell's transparency. These results were published in Nature Photonics (October 2013). During his postdoctoral time.

In 2016 the applicant was granted with an individual Marie Skłodowska-Curie fellowship and moved to EPFL in Switzerland. The candidate was working in the upscaling of nanowire solar cell technologies achieving independent thinking leading the research and publishing the results as the last and corresponding author in several papers. In 2018 the candidate tried to launch a startup in Switzerland based on his knowledge generated at EPFL. In 2019-2021, the candidate moved to the industry and was working in the machine learning sector, leading 2 industrial projects granted by the French government. Nowadays, The candidate works as teacher in the physics department at the University of Cordoba.

In resume, the applicant has a solid scientific formation with multidisciplinary approach, with several stays in well recognized institutions, including a five years postdoctoral stay at ICFO and 3 years at EPFL. He has participated in more than 12 Projects (3 of them European Union-funded projects), and published more than 40 articles in reviewed international journals of high prestige, including a paper in Nature Photonics as a first coauthor. To date, he has an h-index of 21, with more than 1300 citations (google scholar). He is also a usual referee for Advance Optical Materials journals. He has contributed 40 presentations at internationally recognized conferences mostly in Europe and USA. He has four patents, which shows he has high experience in the transfer of technology. Also, the applicant's work has been selected finalist of the La Vanguardia's Vanguardia de la Ciencia 2014 award and he won the prize Duran Farell in 2018.