

Giulia Grancini

Giulia received an MS in Physical Engineering in 2008 and obtained her **PhD in Physics** cum laude in **2012** at the Politecnico of Milano. Her experimental thesis focused on the realisation of a new femtosecond-microscope for mapping the ultrafast phenomena at organic interfaces. During her PhD, she worked for one year at the Physics Department of Oxford University where she pioneered new concepts within polymer/oxide solar cell technology.

From 2012-2015, she was a post-doctoral researcher at the Italian Institute of Technology in Milan working on the photophysics of advanced polymer/oxide and hybrid solar cells. In 2015, she joined the Ecole Polytechnique Fédérale de Lausanne (EPFL) with a **Co-Funded Marie Skłodowska-Curie Fellowship**.

From 2016 to 2019, she has been awarded by the Swiss **Ambizione Energy Grant** providing a platform to lead her independent research group at EPFL focused on the development of new generation hybrid perovskite solar cells. Within this grant she led a research team within the group of Prof. Nazeeruddin.

Since July 2019, Giulia is **Associate Professor** at Physical Chemistry Unit at University of Pavia, leading the *PVsquared2* team, and running the European Grant **ERCStG Project "HYNANO"** aiming at the development of advanced hybrid perovskites materials and innovative functional interfaces for efficient, cheap and stable photovoltaics. Within this field, Giulia contributed to reveal the fundamental light-induced dynamical processes underlying the operation of such advanced optoelectronic devices whose understanding is paramount for a smart device development. In addition, she is also leader of the Italian Project **FARE "Express"** aiming to design novel hybrid perovskites for electronic applications beyond photovoltaics and from 2022 she has been awarded by the **ERC-POC 2021**.

As principal investigator she attracted funding from EU and industrial partners of around 4.300.000 €.

She is author of **130** peer-reviewed scientific papers bringing her h-index to **50** (>20'000 citations), focused on development and understanding of the interface physics which governs the operation of new generation solar cells. She is also author of two patents in the field of hybrid solar cells. She has been invited at more than 80 international conference, she is member of the Material Research society (MRS) and active MRS Conference Organizer. She counts a number of national, european and international collaboration with academic and industrial partners. She obtained the Abilitazione Scientifica Nazionale as Professore Associato in FIS02/B1 and in CHIM/02.

She is part of the Editorial Board of *Chem*, Chief Editor of *the International Journal of Photoenergy* and of *SN applied science*.

In 2018 she has been awarded with the **IUPAP Young Scientist Prize in Optics 2017** for "deep knowledge on photophysical properties and ultrafast light-induced dynamical processes" and in 2019 she received the **Swiss Physical Society Prize in Applied Physics** for Young Researchers. In 2019 she received the **USERN prize 2019** in Physical Science while in 2020 she received the **Journal of Materials Chemistry Lectureship** from Royal Society of Chemistry.

She is currently USERN Ambassador for Italy and member "100 donne nella scienza contro gli stereotipi"-Fondazione Bracco from June 2020. In 2019, 2020 and 2021 she has been included among the Highly Cited Reseracher List.

More can be found at <https://pvsquared2.unipv.it>.



Giulia Grancini è Professore Associato di Chimica all'Università di Pavia, dirige il gruppo *PVsquared2* – composto da 15 giovani ricercatori provenienti da tutto il mondo – ed è Principal Investigator del progetto ERC Starting Grant "HYNANO" che si focalizza sullo sviluppo di una tecnologia fotovoltaica innovativa basata su semiconduttori a perovskiti ibride. Ha conseguito il dottorato di ricerca in Fisica al Politecnico di Milano nel 2012 e ha lavorato come Ricercatrice presso l'IIT di Milano. Dal 2015 al 2019 è stata prima Marie Curie Fellow e poi Team Leader premiata con il prestigioso grant Ambizione Energy presso l'EPFL (Svizzera). Nel 2019 rientra in Italia come Professore con chiamata diretta dall'estero. Nel 2019, nel 2020 e nel 2021 è apparsa nella lista degli Highly Cited Scientist (Web of Science). E' autrice di oltre 130 pubblicazioni e 2 brevetti con più di 20 000 citazioni.