

PERSONAL DETAILS

First name, Family name: **Luisa, De Cola**

Nationality: Italian

Work Addresses: University of Milan, Department DISFARM

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Researcher unique identifier(s): 0000-0002-2152-6517; Scopus ID: 7004523435

URL for web site: <https://www.decolalab.com>



• **Education and key qualifications**

- 01/07/1983 Laurea in Chemistry (summa cum laude) Department of Chemistry, University of Messina, Italy
- 1983/1986 Post-doctoral Fellow Virginia Commonwealth University, Richmond (VA) USA (Prof. Lidia M. Vallarino, National Institute of Health fellowship).
- 01-02, 2000 Visiting scientist, Prof. Jeffrey Zink, UCLA, Los Angeles USA
- 06-09, 2007 Visiting scientist, Prof. George Whitesides Harvard University, Boston, USA
- 06-09, 2010 Visiting scientist, Prof. Robert Langer MIT, Boston, USA
- 2017/18/19 Visiting scientist Prof. Michael Sailor, University of California, San Diego, USA
- 02-05, 2025 Visiting professor Prof. Ralph Weisseleder, MGH, Harvard, Boston, USA

• **Current position(s)**

- 2020 – Full Professor (chiamata per chiara fama) at the Department of Pharmaceutic Science University of Milan, Italy
- 2012- Scientific collaborator at the Karlsruher Institut für Technologie, IFG, Germany

• **Previous position(s)**

- 1986-1990 Researcher at the National Research Council, CNR, Istituto F.R.A.E, Bologna, Italy, Supervisor: Prof. Vincenzo Balzani
- 1990-1998 Assistant Professor, Department of Chemistry, University of Bologna, Italy
- 1998-2004 Full Professor, University of Amsterdam (the Netherlands), Chair of Molecular Photonic Materials
- 2004-2012 Full Professor (C4) in Physics and Chemistry, University of Münster (Germany), Chair of Nanoelectronics and Nanophotonics and director of the nanomaterials at CenTech.
- 2006 - 2012 Part-time Professor Department of Chemistry University of Twente, The Netherlands
- 2012 – 2020 Full Professor (Class Exceptionnelle), AXA chair of Supra-molecular and Biomaterial Chemistry, at ISIS, University of Strasbourg and CNRS, France.

• **Research achievements**

The research of Prof. De Cola has been always characterized by a strong multidisciplinary character and driven by curiosity in its more fundamental aspects, but in some cases combined with applied facets. She has published > 420 papers in peer reviewed journals (Hindex =88 and more than 27000 citations, Scopus), and filed 42 patents. She is one of the three founders of the diagnostics spin off Bionys, <https://www.bionys.eu>, dealing with the detections of pathogens.

She has supervised 58 PhD students and more than 100 post-docs.

• **Peer recognition: Selected awards**

- 1993 Prize for Chemistry of the "Accademia di Scienze Fisiche e Matematiche di Napoli".
- 1995 Federchimica National Prize " per un futuro intelligente (for a smart future)".
- 1995 International Prize of the European Photochemistry Association "Grammaticakis Neumann"
- 2009 European Research Council, ERC Advanced Grant Award, acronym: Magic.
- 2011 IUPAC prize for the most distinguished women in the field of chemistry and chemical engineering
- 2014 Chevalier de la Légion d'Honneur appointed by the President of the Republic of France, François Hollande
- 2014 International Prize for Chemistry from the Academia dei Lincei, Tartufari Prize, given by the President of the Republic of Italy, Giorgio Napolitano
- 2014 Sigma Aldrich Material Science lecture award, EPFL, Switzerland

- 2015 International Prize Catalán -Sabatier given by the Real Sociedad Española de Química
- 2019 The Izatt–Christensen Award in Macrocyclic and Supramolecular Chemistry
- 2019 She is one of the 39 selected women chemists, from all times, Valencia Science Museum (https://cac.es/en/catalogos_cpt/ellas-tienen-la-formula).
- 2019 Honorary Professor (Peyiang Professor) Tianjin University, China
- 2020 Gold Medal “Giulio Natta” from the Italian Chemical Society
- 2022 Doctor Honoris Causa from Universidad Internacional Menéndez Pelayo Santander, Spain
- 2024 Centenary Prize for Chemistry and Communication from the Royal Society of Chemistry
- 2025 JPA Honda-Fujishima Lectureship and JSPS Award, Tokyo Japan.
- 2025 Ziegler-Natta lecture award from the German Chemical Society
- 2025 Nitti-Casassas Award from the Societat Catalana de Química (SCQ), Spain.

• **Elected memberships of scientific societies**

- 2014 Member of the German Academy of Sciences, Leopoldina
- 2014 Fellow of the Royal Society of Chemistry
- 2015 Elected as a ChemPubSoc Europe Fellow
- 2016 Member of the Akademie der Wissenschaften und der Literatur of Mainz
- 2016 Member of the “Institut Universitaire de France”, IUF
- 2021 Elected to the American Institute for Medical and Biological Engineering, AIMBE, College of Fellows Class of 2021
- 2022 Member of the Accademia dei Lincei
- 2024 Member of the Accademia di Ingegneria e Tecnologia

• **Few selected contributions to the research community**

- 2013 President of the Bürgenstock Conference 2013, Switzerland
- 2019 Member of the organizing committee of the IUPAC in chemistry 2019, Paris, France (2450 Participants)
- 2017-2020 Member of the Committee for the Rey Jaime I Prize, Spain (together with 16 Nobel Laureates)
- 2018- 2022 Member of the International Advisory Board of Tianjin University, Health Science Platform (Tianjin, China)
- 2022 President of the 8th EuChemS Chemistry Congress, Lisbon, Portugal, (1260 Participants)

She was/is also a member of several Scientific Advisory Board: ICN2 (Institut Català de Nanociència i Nanotecnologia, Spain); Ciber-BBN and IMDEA, Spain, and Adolphe Merckel Institute, Switzerland. She is a member of the American Chemical Society, German Chemical Society, Italian Chemical Society and French Chemical Society

She served for 7 years in the evaluation panel of ERC starting grant, she is in the evaluation committees of the Swiss National Science Foundation since 2016. She is also member of several committees for prizes and scholarships.

• **Current Editorial Activities**

- 2019- Member of the editorial board of *Angewandte Chemie* (Wiley)
- 2020- Member of the editorial board of *Materials Today Bio* (Elsevier)
- 2022- Editor in chief of *Chemistry Europe*, (Wiley)

• **Dissemination and outreach**

She has organized several conferences and schools and she has contributed to about **500 communications** presented in scientific meetings (of which more than 250 as plenary or keynote speaker), including the prestigious Solvay conference (2011), Bürgenstock Conference 2012, several Gordon Conferences, ACS, MRS, ICCS, IUPAC, EuChemS, just to cite some of them. Finally, she enjoys to give talk to general public, (EXPO Milano, Berzelius lecture Sweden, TV shows, several interviews and AXA funding ambassador) and to high school (Lincei Scuola). In 2028 she will be the Chair of the Scientific Committee of the Chemistry Olympiad (IChO). She loves chocolate and she gives talks on the *science of chocolate*.