

Name: Luisa De Cola (1960) **Nationality:** Italian
Position: since 1 November 2020 Professor at the University of Milano (chiamata per chiara fama) and Director of the Materials for Health Laboratory at the Istituto di Ricerche Farmacologiche Mario Negri, IRCCS, Milano (Italy). She is also adjunct Scientist since 2013 at the Karlsruher Institut für Technologie, Germany, and since 2019 she is also Honorary Professor at Tianjin University, China.

Scientific Career

1978 - 1983 Laurea in Chemistry summa cum laude, University of Messina (Italy), supervisor Prof. Raffaello Romeo.
 1984 -1986 Postdoctoral fellow (National Institute of Health fellowship) at the Virginia Commonwealth University, Richmond, USA (supervisor: Prof. Lidia M. Vallarino).
 1986-1990 Researcher at the National Research Council, CNR, Istituto F.R.A.E, Bologna (group leader Prof. Vincenzo Balzani).
 1990-1998 Assistant Professor 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.
 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

Awards

1986 Prize for Chemistry "Fondazione U. Bonino e M.S. Pulejo"
 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"
 2004 Finalist of the Descartes Prize 2004
 2011 IUPAC prize for the most distinguished women in the field of chemistry and chemical engineering
 2012 Gutenberg Chair Award
 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 Accademia dei Lincei, Tartufari Prize, given by the President of the Republic of Italy, Giorgio Napolitano
 2014 Luigi Sacconi lecture award, Firenze, Italy
 2014 Sigma Aldrich Material Science lecture award, EPFL, Switzerland
 2015 International Prize Catalán -Sabatier given by the Real Sociedad Española de Química
 2016 Weber Prize from Rotary Club, Italy
 2019 The Izatt–Christensen Award in Macrocyclic and Supramolecular Chemistry
 2019 Medal from the University of Messina
 2019 She is one of the 39 selected women chemists, from all times, at the Science Museum of Valencia (Ciutat de les Arts y de les Ciències), Spain
 (https://www.cac.es/media/pdfs/catalogo_ellastienelaformula.pdf).
 2019 Prize Anassilaos Arte Cultura Economia e Scienze
 2020 Gold Medal "Giulio Natta" from the Italian Chemical Society

Other Recognitions and Professional Appointments

2003-2007 Member of the Advisory Board for the Chemistry Department, Imperial College of London
 2009 European Research Council, ERC Advanced Grant Award
 2010-2015 Member of the evaluation panel of the ERC starting grant.
 2010 Distinguished lecture, Atlanta, USA

2011	Member of the International Advisory Panel of AMADEus, LabEx of the University of Bordeaux, France
2013	Member of the Academia Europeae
2013	President of the Bùrgenstock Conference 2013
2014	Member of the German Academy of Sciences, Leopoldina
2015-	Member of the Scientific Advisory Board of ICN2 (Institut Català de Nanociència i Nanotecnologia, Spain)
2015	Elected as a ChemPubSoc Europe Fellow
2015	Sir Jesse Boot lecture award, Nottingham, UK
2016	Member of the Akademie der Wissenschaften und der Literatur of Mainz
2016	Elected member of the “Institut Universitaire de France”, IUF
2017-2020	Member of the Committee for the Rey Jaime I Prize, Spain (together with 16 Nobel Laureates)
2017-2021	Member of the Scientific Advisory Board of the Nanoscience and Nanotechnology Department Chalmers University of Technology, Sweden
2018- 2022	Member of the International Advisory Board of Tianjin University, Health Science Platform (Tianjin, China)
2018- 2022	Member of the Scientific Advisory Board of the Adolphe Merkle Institute (Fribourg, CH)
2019-2022	Member of the Scientific Council of the Italian CNR, section Chemical Sciences and Materials Technology
2019-	Member of the Centre for Endoscopic Research Therapeutics and Training - CERTT
2019	Melville distinguished lecturer, University of Cambridge, UK
2019	Honorary Professor (Peyiang Professor) Tianjin University, China
2019	Elected member of the Istituto Lombardo Accademia di Scienze e Lettere
2019-2022	Member of the advisory board of CIBER-BNN, Spain
2020-2022	President of the 8 th EuChemS Chemistry Congress, Lisbon, Portugal
2021	Elected to the American Institute for Medical and Biological Engineering, AIMBE, College of Fellows Class of 2021
2022	Doctor Honoris Causa from Universidad Internacional Menéndez Pelayo Santander, Spain
2022	Elected member of the Accademia dei Lincei

Supervision of Graduate students and post-doctoral fellows

2020-	5 Post-Docs/ 4 PhD students at the University of Milano and Mario Negri.
2012 – 2020	21 Post-docs/19 PhD/26 Master Students at ISIS UMR 7006, Université de Strasbourg, France and and 5 post-docs and 2 PhDs in KIT, Karlsruhe, Germany
2004 – 2012	27 Postdocs/ 15 PhD/ more than 20 Master Students Nanoelectronics and Nanophotonics Laboratory, University of Münster, Germany
1998 – 2004	12 Postdocs/ 12 PhD/ about 10 Master Students University of Amsterdam.
1996 – 1998	co-supervision of 2 PhD and 2 post-docs University of Bologna.

Editorial Activities

2001-2004	Member of the editorial board of Inorganic Chemistry (ACS)
2002-2006	Member of the editorial board of Chemistry of Materials (ACS)
2011- 2019	Member of the editorial board of ChemPhysChem (Wiley) and ChemPlusChem (Wiley)
2013- 2016-2019	Member of the editorial board of Material Horizons (RSC)
2019-2023	Member of the editorial board of Angewandte Chemie (Wiley)
2020-2024	Member of the editorial board of Materials Today Bio (Elsevier)

Member of the American Chemical Society, German Chemical Society, Italian Chemical Society and French Chemical Society

Scientific Output

Prof. Luisa De Cola is working in 2 main research areas: a) luminescent and electro-luminescent assemblies and supramolecular structures; b) responsive nanomaterials and soft matrices for imaging, diagnostics and

therapy. She has published 390 papers (including Nature, Nature Chemistry, Nature Communications) and filed 38 international patents. She has a H-index = 83 and more than 24000 citations (from google scholars).

She has been invited to more than 250 conferences as plenary or as invited speaker (Gordon Conferences, ESF, Solvay Conference 2011, Accademia dei Lincei, distinguished lecture 2010 Georgia Tech, Bürgenstock Conference 2012, E-MRS 2012, ACS 2015, MRS 2016, MRS 2017, ICC 2018, Nanomedicine, ICOMM, EuCheMs...) and she has delivered more than 500 seminars/talks all over the world. She has organized several international conferences, schools and workshops. She is also in the panel of scientific organization and evaluation committee (Swiss National Science Foundation (SNSF) for chemistry, ERC starting grant..) including the famous Premios Rei Jaume I (section new technologies) with 16 Nobel Laureates.

She has been visiting professor in Japan, USA, France, Italy and Belgium.

She has completed 50 PhD thesis, supervised more than 80 post-docs and several Master students.

Prof. De Cola is a member of the German Chemical Society (GDCh), the Italian Chemical Society, the French Chemical Society and the American Chemical Society. She is fellow of the Royal Chemical Society.

She has been a devoted teacher and she has received several recognitions for her excellent student supervision and for the encouragement she gives to her coworkers. Her group has been awarded with several prizes: e.g. E-MRS award for the best PhD presentation (F. Fiorini 2015), Wissenschaft Prize (Nanoscience Award 2011 for C. Strassert and in 2008 for Z. Popovic), DSM Science and Technology award (finalist Z. Popovic 2008) Elsevier award 2011 (M. Tsotsalas), best PhD thesis awards: 2015 (A. Aliprandi), 2017 (S. Sinn), and electrochemical society 2017 S. Carrara, just to cite some of them. Most of her former coworkers are now university professors or cover important roles in the private sector.

Finally she enjoys to give talk to general public, EXPO Milano, Berzelius lecture Sweden, TV shows, several interviews, Settimo Torinese festival della scienza and she is a AXA funding ambassador. In 2008 with the University of Muenster she has organized, and participated with a stand, to a 2 weeks exhibition "High-Tech Underground" (<https://www.uni-muenster.de/AFO/projekte/abgeschlossen/hightechunderground.html>) to present to the general public the most important fields of research at the University of Muenster.

She loves chocolate and give scientific talks on this subject (<http://www.canalc2.tv/video/10866>).