

**Name:** Luisa De Cola                            **Nationality:** Italian  
**Position:** since 1 September 2012 Full Professor (Class Exceptionnelle), AXA chair of Supra-molecular and Biomaterial Chemistry, at ISIS, University of Strasbourg and CNRS, France and adjunct Scientist at the Karlsruher Institut für Technologie, Germany.

**Private Address:** 5a Boulevard du President Edwards, 67000 Strasbourg

**Nationality:** Italian

**Country of Residency:** France

## Scientific Career

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|-------------|--|
| 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, Instituto 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 -      | University of Strasbourg/ISIS AXA chair in Supramolecular and Biomaterials Chemistry and Adjunct Scientist at the Karlsruher Institut für Technologie, Germany |

## Awards and Professional Appointments

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|--------------------------------------|--|
| 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   |
| 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                                 | IUPAC prize for the most distinguished women in the field of chemistry and chemical engineering  |
| 2011                                 | Member of the International Advisory Panel of AMADEus, LabEx of the University of Bordeaux, France   |
| 2012                                 | Gutenberg Chair Award  |
| 2013                                 | Member of the Academia Europeae  |
| 2013                                 | President of the Bürgenstock Conference 2013   |
| 2014                                 | Chevalier de la Légion d'Honneur appointed by the President of the Republic of France, François Hollande   |
| 2014                                 | Member of the German Academy of Sciences, Leopoldina   |
| 2014                                 | International Prize for Chemistry from the Academia 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-                                | Member of the Scientific Advisory Board of ICN2 (Institut Català de Nanociència i Nanotecnologia, Spain)   |
| 2015                                 | International Prize Catalán -Sabatier given by the Real Sociedad Española de Química   |
| 2015                                 | Elected as a ChemPubSoc Europe Fellow  |
| 2015                                 | Sir Jesse Boot lecture award, Nottingham, UK   |
| 2016                                 | Weber Prize from Rotary Club, Italy  |
| 2016                                 | Member of the Akademie der Wissenschaften un der Literatur of Mainz  |

2016	Elected member of the “l’Institut Universitaire de France”, IUF
2016	Distinguished lecture “Haddadin symposium” Beirut, Lebanon
2017-2018	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	Melville distinguished lecturer Cambridge, UK
2019	Doctor Honoris Causa, Peiyang Professor Tianjin University, China
2019	The Izatt–Christensen Award in Macroyclic and Supramolecular Chemistry

### Editorial Activity

Member of the editorial board of Chemistry of Materials (ACS), ChemPhysChem (Wiley), ChemPlusChem (Wiley) and Material Horizons (RSC). From January 2018 Member of the editorial board of Angewandte Chemie.

### Some other selected activities

1989-1993	Secretary of the Italian Group of Photochemistry (GIF).
1991	Member of the Organizing Committee of the II NATO Science Forum on Supramolecular Chemistry (Taormina December 15-18).
1992	Co-editor of the book "Supramolecular Chemistry", NATO ASI series, Kluwer, Dordrecht.
1999	Organizer of the 1 <sup>st</sup> BINPHOS (Belgium, Italy, The Netherlands Photochemistry Symposium), Noordwijk, September 1999.
1999	Capita Selecta lectures, University of Leuven, Belgium (1999).
1999-2003	Coordinator of the Eu-COST D11 project: “Photo-, redox- and pH responsive nano-sized dendrimers”.
2000	Member of the Scientific Committee of the IUPAC on Photochemistry, Dresden, Germany September 2000.
2001-2004	Member of the Editorial board of Inorganic Chemistry.
2002-2006	Member of the Editorial board of Chemical Society Reviews.
2002	Member of the Organizing Committee of the QUANTASOL, Austria March 2002.
2002	Organizer of the ESF meeting “Supramolecular Chemistry: Molecular rods, wires and switches” (Spain September 2002).
2002-2005	Coordinator of the EC project (IST-2001-35503) Light Induced Molecular Motion: Photo-gated devices.
2002-2006	Coordinator of the Marie Curie Training Site (MolPhotonics, HPMT-CT-2001-00311).
2001-	Participant of several EC projects.
2003	Organizer of the EPA Summer School on Photochemistry, (The Netherlands June 2003).
2005-	Member of the International Graduate School in Chemistry of Muenster.
2007	Member of the International Committee of the 8 <sup>th</sup> Material Chemistry Conference, MC8, London, 2007.
2007/2011	Organizer of the CeNTech Nanoscience Day 2007, 2008, 2009, 2011.
2007-2008	President of the Evaluation Committee for the Department of Chemistry University of Padova (Italy) and member of the Evaluation Committee for the Department of Chemistry Université Louis Pasteur and of the ISIS, Strasbourg, France.
2008	Organizer of the EPA Summer School on Photochemistry, (The Netherlands 2008).
2009-2012	Coordinator of the European project, ERA-NET: <i>Interfacing Nano-objects for functional Electronic and Optofluidic Systems</i> (INOFEQ).
2010	Member of the International Organizing Committee of the F-Pi-9 Symposium, Atlanta, USA, May 2010.
2010-2014	Member of the board of the Physical Chemistry, section photochemistry and photophysics, of the German Chemical Society (GDCh).
2010	Co-founder of the Center for Soft Nanoscience (SoN), Muenster, Germany

2011	Co-organizer of the International Conference on the Photochemistry and Photophysics of Coordination Compounds, 19 <sup>th</sup> ISPPCC, Strasbourg July 2011.
2011-2014	Member of the editorial board of Chemistry of Materials (ACS), ChemPhysChem (Wiley) and ChemPlusChem (Wiley).
2011-2019	Member of the advisory board of the excellence initiative: LABEX Amadeus, Bordeaux
2012	Member of the International Organizing Committee of the International Conference on the Science and Technology of Synthetic Metals July 2012, USA.
2013-2016	Member of the editorial board of Material Horizons (RSC)
2014-	Member of different committees of the Swiss National Science Foundation
2015	Organizer of the 10 <sup>th</sup> International Symposium on Macroyclic and Supramolecular Chemistry, ISMSC 2015
2015	Co-organizer of the 13th European Conference on Molecular Electronics (ECME)
2016	Member of the scientific committee, and organizer of the Material section of the 6th European Association of Chemical and Materials Societies (EuCheMS), Seville, Spain.
2017-2021	Coordinator of the H2020 MSCA-RISE-2017 “Nano-OligoMed”
2019	Member of the organizing committee of the IUPAC in chemistry 2019
2020	President of the EuCheMS meeting Lisbon, 2020

### Scientific Output

Prof. Luisa De Cola is working in 2 main research areas: a) luminescent and electro-luminescent materials for optical devices and diagnostics; b) nanomaterials and soft matrices for imaging, diagnostics and therapy. She has published 360 papers and filed 36 international patents. She has an H-index=72 and more than 19000 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, ICCC 2018, Nanomedicine, ICOMM, EuCheMs...) and she has delivered more than 300 seminars/talks all over the world. She has been visiting professor in Japan, USA, France, Italy and Belgium.

She has completed 41 PhD thesis, supervised more than 60 post-docs and several Master students.

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

She is also a member of several international boards and evaluation committee including the ERC, SNSF, NCCR. She has organized several international conferences, schools and workshops.

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 poster prizes, E-MRS award for the best PhD presentation (F. Fiorini 2015), Wissenschafts Prise (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) and the best PhD thesis awards 2015 (A. Aliprandi), 2017 (S. Sinn), and electrochemical society 2017 S. Carrara, 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).

### Industrial collaboration and technology transfer

Professor De Cola has collaborated with companies since 1997. She has a very long standing cooperation with Roche Diagnostics, and she collaborated, for 12 years, with Philips Research.

She has contracts with Syngenta, Qventis, Solvay and L’Oreal. She has filed 36 patents and 8 of them constitute the technology that allowed in 2018 the foundation of the spin-off SiBreaX AG, located in Switzerland, of which she is the major owner.