

Curriculum vitae di *Valentina Cauda*

Sottosettori ERC primari (max 3):

LS7_3 Nanomedicine

PE3_10 Nanophysics, e.g. nanoelectronics, nanophotonics, nanomagnetism, nanoelectromechanics

PE5_7 Biomaterials synthesis

PERSONAL DETAILS

Family name, First name: Cauda, Valentina Alice

Birthdate: 29th January 1981

Researcher unique identifier (ORCID): <http://orcid.org/0000-0003-2382-1533>

URL for web site: <https://tnhlab.polito.it/> ; <https://www.polito.it/personale?p=valentina.cauda>

• **Education and key qualifications**

Mar 2008 Ph.D (European Ph.D in Materials Science and Technology) – Supervisors: Prof. E. Garrone, Prof. B. Onida, Department of Applied Science and Technology, Politecnico di Torino, Italy
Oct 2004 Master of Science (Chemical Engineering, Summa cum Laude), Politecnico di Torino, Italy – 110/110 cum laude

• **Current position(s)**

June 2022 – present Full Professor (Italian Scientific Sector: 02/B1, PHYS-03), Dept. of Applied Science and Technology, Politecnico di Torino, Italy
March 2025 – present Co-founder and Scientific supervisor of the Start-up HEMATICA S.r.l.
June 2021 – present Co-founder and Scientific supervisor of the Start-up U-Care Medical S.r.l.

• **Previous position(s)**

May 2016- May 2022 Associate Professor (02/B1, FIS03), Dept. of Applied Science and Technology, Politecnico di Torino, Italy
Jan 2016- May 2016 Visiting Professor, Dept. of Applied Science and Technology, Politecnico di Torino, Italy
Aug 2010 – Dec 2015 Senior Post-doc, Center for Space Human Robotics, Istituto Italiano di Tecnologia (IIT), Turin, Italy
Jan 2008 – Jul 2010 Post-Doc, Dept. of Chemistry, University of Munich, Germany Feb 2015 – Dec 2015
Scientific Consultant, Rocamed, Monaco
Feb 2008 – Jul 2010 Scientific Consultant, Nanoscape AG, Munich, Germany Apr 2006 – Jul 2010
Scientific Consultant, Cook Medical INC. Bloomington, USA Nov 2004
Internship, Rüsche France S.A.R.L., Strasbourg, France

RESEARCH ACHIEVEMENTS AND PEER RECOGNITION

• **Research achievements**

1. Scientific Publications Summary:

- ✓ 175 papers in ISI peer-reviewed journals + 3 edited book + 12 book chapters + >75 conference proceedings
- ✓ 28 papers as first-author + 97 papers as corresponding author
- ✓ H-index: 52 (Source: Scopus 9th March 2026)
- ✓ 9489 total citations by 7798 documents (updated on 10th July 2026, source: Scopus)

- ✓ 719 articles in journals with impact factor (IF) > 5 (Adv. Mater., Nano Lett., JACS, ACS Appl. Mater. Interf, Chem. Eng. J., Chem. Mater, J. Mater. Chem., NanoResearch, Nano-Micro Lett, Cancer Nanotechnology,...)
- ✓ Average citation per article: 54

2. *Most Representative scientific research papers*

Here the three most important papers of my research activity, accompanied by comments on their original and significant results, clearly recognizable contribution, widely spread or having obtained outstanding recognitions by the international scientific community;

1. L. Racca, V. Cauda (Corr. Author) **“Remotely-activated nanoparticles for anticancer therapy”** NANO-MICRO LETTERS, 2021, Vol. 13 (11), pp. 1-34; EISSN 2150-5551, doi: 10.1007/s40820-020-00537-8.
Impact Factor (JRC 2025): 36.3
N. Citation (Scopus, January 2026): 50
Key features: This review highlights the importance of remotely activated nanoparticles for anticancer purposes in nanomedicine, presenting the different physical stimuli that can be used for therapy in active synergy with several nanomaterials. In this review, we reported examples and the elucidated physical mechanisms of action, while clinical trials involving remotely triggered nanoparticles are collected and discussed for the first time. Here, my role was to give the main idea and concepts for the review and I acted as supervisor of the whole work, being this originally written by my PhD student, Dr. Racca as a result of three intense years of research and literature review on the physics and biology of remotely-activated nanomedicines.
The review is born from the literature search and scientific results linked to my **ERC Starting Grant “Trojananohorse”** (GA n.678151) and the following **ERC Proof-of-Concept “XtraUS”** (GA n. 957563).
2. M. Laurenti, G. Canavese, A. Sacco, M. Fontana, K. Bejtka, M. Castellino, F. C. Pirri, V. Cauda (Corr. author) **“Nanobranched ZnO Structure: p-Type Doping Induces Piezoelectric Voltage Generation and Ferroelectric-Photovoltaic Effect”** ADVANCED MATERIALS, 2015, vol. 27, pp. 4218–4223, ISSN: 0935-9648, doi: 10.1002/adma.20150159
Impact Factor (JRC 2025): 26.8
N. Citation (Scopus, January 2026): 69
Key features: In this paper we synthesized p-Type Sb-doped ZnO nanobranched films by an innovative approach: sputtered nanobranched Zn films were impregnated in an Sb-based solution and thermally treated to simultaneously oxidize Zn and insert the Sb dopant in the wurtzite structure. Remarkably, the Sb doping of ZnO resulted in the rise of the piezoelectric voltage generation and, for the first time, in ferro-electric properties and a novel ferroelectric-driven photovoltaic effect, unprecedented in zinc oxide-based nanomaterials. My contribution to this paper was the initial idea of doping the ZnO nanostructure, then I synthesized the doped nanomaterials, I coordinated the whole work and supervised the characterization steps. I also acted as the corresponding author of the paper and it was published on one of the most important and internationally recognized and highly multidisciplinary journal world-wide, Advanced Materials. As further public recognition by the scientific community, this paper received in 2015 the prize of **Top-10 Papers published** by the Italian Chemical Society.
3. V. Cauda, H. Engelke, A. Sauer, D. Arcizet, C. Bräuchle, J. Rädler, T. Bein **“Colchicine-loaded lipid bilayer-coated 50 nm mesoporous nanoparticles efficiently induce microtubule depolymerization upon cell uptake”**, NANO LETTERS, 2010, vol. 10, issue 7, pp 2484–2492, ISSN:1530-6984, doi: 10.1021/nl100991w
Impact Factor (JRC 2025): 9.1
N. Citation (Scopus, January 2026): 155
Key features: In this paper we reported on an innovative one-step self-assembly route to support artificial lipid bilayers (SLB) on functionalized colloidal mesoporous silica nanoparticles, resulting in a bio-mimetic drug delivery system for the highly toxic colchicine drug. In this paper I performed both the synthesis of mesoporous silica nanoparticles and I developed the self-assembly of lipid bilayers. I carried out the physical-chemical characterizations and the delivery of dye and the antitumoral drug uptake. I drafted the whole paper with also the contribution of other authors.

The importance of this paper is witnessed by the relevant number of citations (155 up to now) and was highlighted in:

- a German journal to the whole public with an article **“Nanopartikel schleusen Wirkstoff in Krebszellen ein”** by V. Cauda, H. Engelke, A. Sauer, D. Arcizet, C. Bräuchle, J. Rädler, T. Bein LABOR-PRAXIS, 2010, Vol. 34 (12), pp. 24. Registergericht Würzburg HRA 5385, DE 231711381.

- in the newsletter of CENS (CEnter of NanoScience, Munich):

<https://www.cens.de/news/archive/archiv-single/article//mit-hoechste/>

Furthermore, thank to this paper I was awarded with:

- the **Prize “Dr. Klaus Römer Stiftung” Best Post-Doc 2010** given from the University of Munich (Germany) in December 2010;

- the **prize “Giovedì Scienza” 2013** - 2nd Edition- Young researchers under 35.

Here below a selection of 7 other important papers:

4. G. Savino, G. Rosso, M. D'Aloia, I. Roppolo, V. Cauda (Corr. Author) **“3D bioprinted colorectal co-culture model to explore nanoparticles targeting and stimuli responsive treatments against cancer”** MATERIALS & DESIGN, 2025, Vol. 257, 114478, ISSN 0264-1275, doi: 10.1016/j.matdes.2025.114478, I.F. 7.9
5. V. Vighetto, E. Pascucci, N.M. Percivalle, A. Troia, K.M. Meiburger, M.R.P. van denBroek, T. Segers, V. Cauda (Corr. Author) **“Functional nanocrystal as effective contrast agents for dual-mode imaging: Live-cell sonoluminescence and contrast-enhanced echography”** ULTRASONICS SONOCHEMISTRY, 2025, Vol. 113, 107242, doi:10.1016/j.ultsonch.2025.107242 I.F. 9.7
6. N. M. Percivalle, J. B. Bassila, A. Piccinini, M. Cumerlato, M. Porro, C. Trouki, S. Monti, G. Barcaro, D. Bochicchio, R. Piva, V. Rondelli, G. Rossi V. Cauda (Corr. Author) **“Diving on the Surface of a Functional Metal Oxide through a Multiscale Exploration of Drug–Nanocrystal Interactions”**, ACS APPLIED MATERIALS & INTERFACES, 2025, Vol. 17, pp. 10432–10445, ISSN:1944-8244, doi: 10.1021/acsami.4c19916, I.F. 8.2
7. M. Conte, M. Carofiglio, R. S. Vander Pol, A. Wood, N. Hernandez, A. Joubert, C. Caffey, C. Y. Xuan Chua, A. Grattoni, V. Cauda (Corr. Author) **“Acoustically-driven Hybrid Nanocrystals for In Vivo Pancreatic Cancer Treatment”**, ACS APPLIED MATERIALS & INTERFACES, 2025, Vol. 17, pp. 11873–11887, ISSN:1944-8244, doi: 10.1021/acsami.4c21975 IF 8.2
8. S. Zappalà, F. Alfieri, A. Ancona, F. S. Taccone, R. Maviglia, V. Cauda, S. Finazzi, A. M. Dell'Anna **“Development and external validation of a machine learning model for the prediction of persistent acute kidney injury stage 3 in multi-centric, multi-national intensive care cohorts”** CRITICAL CARE, 2024, Vol. 28, 189, pp. 1-10, doi: 10.1186/s13054-024-04954-8 IF 9.3
9. B. Dumontel, F. Susa, T. Limongi, V. Vighetto; D. Debellis, M. Canta, V. Cauda (Corr. Author) **“Nanotechnological engineering of extracellular vesicles for the development of actively targeted hybrid nanodevices”** CELL & BIOSCIENCE, 2022, Vol 12 (61), pp. 1-18, ISSN: 2045-3701, doi: 10.1186/s13578-022-00784-9. I.F. 6.2
10. Lops, A. Ancona, K. Di Cesare, B. Dumontel, N. Garino, G. Canavese, S. Hernández, V. Cauda (Corr. Author) **“Sonophotocatalytic degradation mechanisms of Rhodamine B dye via radicals generation by micro- and nano-particles of ZnO”** APPLIED CATALYSIS B: ENVIRONMENTAL, 2019, Vol. 243, pp. 629-640, ISSN 0926-3373, doi: 10.1016/j.apcatb.2018.10.078. I.F. 22.1

3. Patents:

- ✓ 10 International patent filed, with research report.
- ✓ 1 patent application
- ✓ 3 patents licensed to companies

4. *Most relevant Research Grants:*

- 2024 **EIC PATHFINDER OPEN** Horizon Europe Project title “RESYNC - Functional chemical reprogramming of cancer cells to induce antitumor immunity” Project N. 101130218, Budget: 2’966’695.00 Euro, **Role: PI** (dedicated budget: 429’920 euro), Duration: 36 months, Jan 2024-Dec 2026.
- 2023 **POC NODES Accademici SPOKE 5** “NanoZoom” – Industria della Salute e Silver Economy - Ministero dell’Università e della Ricerca and Recovery Plan in Italy (PNRR) Budget: 88’000 euro, **Role: Principal Investigator**, Duration 14 months, Dec 2023 – Jul 2025
- 2023 **POC BiMeC** - Italian Minister of Economical Development (MISE) Budget: 65’900 Euro, **Role: Principal Investigator**, Duration: 15 months, Oct 2023 – Feb 2025
- 2023 **POC Transition-Linea 2 - LifTT funding**, Follow-on project to the previous PoC Instrument 2022, Budget: 98’400 Euro, **Role: Principal Investigator**, Duration: 12 months, Sep 2023 – Mar 2025
- 2023 **POC EIC-Linea 3 - LifTT funding**, Project related to XtraUS ERC PoC, Budget: 99’800 Euro, **Role: Principal Investigator**, Duration: 12 months, Sep 2023 – Mar 2025
- 2022 **ERC Proof-of-Concept call 2022** Project title: “AI CURE - AI to predict Cancer metastasis using Ultra-Echo-Sono imaging” Project N. 101081529, Budget: 150’000 Euro, **Role: Principal Investigator**, Duration: 18 months, Nov 2022 – Apr 2024
- 2022 **PoC Instrument - LifTT funding, CRRT**, Budget: 48’500 Euro, **Role: Principal Investigator**, Duration: 9 months, May 2022 – Feb 2023
- 2021 **PRIN 2020** – Italian Minister of University and Research (MUR), project title “MiTHoS - Multimodal Innovative THERanostic nanoSystem” Project N. 2020MHL8S9, Budget: 474.233 Euro, **Role: Principal Investigator and Project Coordinator** (dedicated budget: 150.000 euro), Duration: 36months, Mar 2022 - Feb 2025
- 2020 **FET OPEN RIA** Horizon 2020 Project title: “MIMIC-KeY - A key to the rational design of extracellular vesicles-mimicking nanoparticles”, Project N. 964386, Budget: 2’902’527 Euro, **Role: Project Coordinator** (dedicated budget: 528’987 euro), Duration: 54 months, June 2021-Nov 2025.
- 2020 **ERC Proof-of-Concept call 2020** Project title: “XtraUS - Fighting cancer relapse with remote activation of smart and targeted nanoconstructs”, Project N. 957563, Budget: 150’000 Euro, **Role: Principal Investigator**, Duration: 18 months, March 2021 – Oct 2022
- 2020 **Industrial Research project** “Sviluppo di algoritmi di AI per la predizione di insorgenza di insufficienza renale acuta” Budget: 12’000 Euro, **Role: Principal Investigator**, Industrial partner: Novasis Innovazione (Hone, Italy), Duration: 12 months, June 2020 – June 2021.
- 2019 **Marie Skłodowska Curie Action - European Fellowship**, Project title “MINT - Multifunctional Immunocompatible NanoTheranostics to modulate tumor microenvironment and improve treatment monitoring: A double blow to pancreatic cancer”, N. 842964 –, Budget: 183’473.28 Euro, **Role: Coordinator/Supervisor**, Duration: 24 months, Sep 2019- Aug 2021.
- 2017 **COST ACTION “ENIUS”** (European Network of multidisciplinary research to improve the Urinary Stents), CA16217, Budget: 131’000 Euro **Role: MC (Management Committee) Member**, duration 48 months, July 2017 – June 2021
- 2015 **ERC Starting Grant call 2015**, Project title: “TROJANANOHORSE - Hybrid immune-eluding nanocrystals as smart and active theranostic weapons against cancer”, Project N. 678151, Budget: 1’489’219 Euro, **Role: Principal Investigator**, Duration: 60 months, Mar 2016 – Aug 2021
- 2015 **Industrial research project** "Encrustation level study on the surfaces of ureteral stents in a Dynamic In-vitro Model (DIM)", Budget: 26’355 Euro, **Role: Principal Investigator** at CSHR@Polito (IIT), Industrial partner: Rocamed, Duration: 11 months, Mar 2015 – Feb 2016
- 2012 **EU Project FP7-NMP-2011-CSA-5** “Piezo Institute” N° 290591, Budget: 443’299 euro, **Role: IIT unit coordinator** (Unit budget: 11’093 euro), Duration: 36 months, Mar 2012 - Feb 2015
- 2009 **COST Action “COINAPO”** (COMposite of Inorganic NANotubes and POLymers) No MP 0902 **Role: MC (Management Committee) Substitute**, Duration: 48 months, Nov 2009 - Feb 2013
- 2009 **Industrial research project** "Endosoft Radiance versus Endosoft: Surface characterization of 72 stents", Budget: 15’000 Euro, **Role: Principal Investigator** at University of Munich, Industrial partner: Cook Medical INC, Duration: 5 months, Aug – Dec 2009

• **Peer recognition**

1. Awards and Prizes:

- Dec 2025 2°ranked winner at national prize for innovation “**Premio Nazionale Innovazione**” (PNI) in the field of **LifeScience** for the entrepreneurial and business idea *Hematica* <https://en.pnicube.it/ivincitori>
- Oct 2025 4° ranked winner at **Start Cup Piemonte e Valle d’Aosta** for the entrepreneurial and business idea *Hematica* <https://www.startcup-piemonte-vda.it/vincitori/xxi-edizione-2025>
- Jan 2021 **Best Paper Award - Nanomaterials 2020** (MDPI), received from the journal *Nanomaterials*-MDPI for the publication *H. Engelke, V. Cauda et al. Nanomaterials 2018, 8(3), 143; https://doi.org/10.3390/nano8030143*
- Dec 2020 **CeNS Publication Award 2020** - Center for NanoScience (CeNS), University of Munich, Germany for the publication: *E. Ploetz, A. Zimpel, V. Cauda, D. Bauer, D. C. Lamb, C. Haisch, S. Zahler, A. M. Vollmar, S. Wuttke and H. Engelke Advanced Materials, 10.1002/adma.201907267 (2020) https://doi.org/10.1002/adma.201907267*
- Dec 2020 Winner at national prize for innovation “**Premio Nazionale Innovazione**” (PNI) in the field of **LifeScience** for the entrepreneurial and business idea *U-Care Medical* <https://en.pnicube.it/ivincitori> The prize was awarded by the **President of the Italian Republic, Sergio Mattarella** -<https://cotec.it/premio-dei-premi-2020/>
- Oct 2020 Winner at **Start Cup Piemonte e Valle d’Aosta** for the entrepreneurial and business idea *U-Care Medical* <https://startcup.i3p.it/editions/zoom/19>
- Jun 2020 **Best Review Paper Award – Coatings 2019**, received from the journal *Coatings*-MDPI for the publication: “Porous Zinc Oxide Thin Films: Synthesis Approaches and Applications”, M. Laurenti, V. Cauda, *Coatings 2018, 8(2), 67; https://www.mdpi.com/2079-6412/8/2/67*
- Feb 2019 **Certificate of Recognition** from Conference Series, from the Editors of *J. Biotechnology & Biomaterials*, and *J. Tissue Science and Engineering* for the Keynote presentation at 4th Annual Conference and Expo on Biomaterials, Feb 25-26th 2019, London (UK).
- Nov 2018 **Best Poster Award** at the Merck and Elsevier Young Chemists Symposium (MEYCS 2018) for the poster B. Dumontel, M. Canta, F. Susa, L. Racca, A. Ancona, N. Garino, T. Limongi, A. Chiodoni, V. Cauda “Enhanced biostability and biocompatibility of zinc oxide nanocrystals shielded by a phospholipid bilayer”.
- Apr 2018 **One among 5 Best Italian Technologies** selected by Netva^{l®} and presented at Biovaria 2018, 25- 26th April 2018, Munich (Germany) referred to Patent WO2019092550 “Biomimetic Non- Immunogenic Nanoassembly for the Antitumor Therapy”, <https://www.biovaria.org/technologies/technologies-2018/details/nanoconstruct-for-antitumor-therapy>
- Nov 2017 **USERN Prize 2017 in Biological Science** (USERN: Universal Scientific Education and Research Network), an international award to top young scientist in the world under 40 years old for the novel advancement in the field of biology
- Jun 2016 **Top-10 Papers** published in 2015 of the Italian Chemical Society under-35 for the publication: *M.Laurenti, V. Cauda ADVANCED MATERIALS, 2015, 27, 4218–4223 doi: 10.1002/adma.201501594*
- Oct 2015 **Zonta Prize** Area 03 Distretto 30 from Zonta International – Scientific Area: **Chemical Sciences**
- May 2015 **Best Paper Award** at the 38th International Spring Seminar on Electronics Technology (ISSE 2015) for the publication: *B. Miccoli, A. Bonanno, V. Cauda, A. Sanginario, D. Demarchi “Interface of aSingle ZnO-Nanowire Assembled onto Custom-Fabricated Nanogap Device for UV Sensing Applications”, Eger (Hungary), 6-10 May 2015, pp. 431-435, doi: 10.1109/ISSE.2015.7248035.*
- Mar 2013 **Prize “Giovedì Scienza” 2013- 2nd Edition- Young researchers under 35**
- Apr 2010 **CeNS Publication Award 2010** – Center for NanoScience (CeNS), University of Munich, Germany for the publication: *A. Sauer, A. Schlossbauer, N. Ruthardt, V. Cauda, T. Bein, C. Bräuchle NANO LETTERS, 2010, vol. 10, issue 9, pp 3684-3691.*
- Dec 2010 **Prize “Dr. Klaus Römer Stiftung” Best Post-Doc 2010** - Departments of Chemistry and of Biochemistry, University of Munich, Germany

2. Most recent Invited Talks:

- 26th Oct 2025 Invited Keynote talk at the annual meeting of the French Association Nanomedicine (Lyon, France)

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- 24th Oct 2024 Invited Keynote talk at NanoBioMed Barcelona 2024 (Barcelona, Spain)
12th Sept 2024 Invited Talk at NanoInnovation Rome 2024
16th Nov 2022 Invited Keynote talk at NanoBioTech Montreux <https://www.nanotech-montreux.com/>
9th Nov 2022 Invited talk at as Virtual Speaker at the 7th International USERN Congress ad PrizeFestival
31th Aug 2022 Invited talk at EuCHEMS 2021 in Lisbon (Portugal) – frameworks ERC talks
19th Nov 2021 Invited Seminar at University of Milan in the context “The Chemist's Interactions”
20-22nd Oct 2021 Invited talk at NanoMed 2021 Milan (Italy) <https://www.setcor.org/conferences/nanomed-2021>
4th Sept 2020 Invited talk at ESOF 2020 (EuroScience Open Forum), Trieste (Italy) “The EU & You: European Research Funding and Career development” <https://www.esof.eu/en/programme/programme-event-list-all-events/event-information/the-eu-you-european-research-funding-and-career-development.html>
26th April 2017 University of Padua, Palazzo Bo’, “The ERC and the societal impact of frontier research” <http://www.unipd.it/ilbo/european-research-council-and-impact-frontier-research>
16th Mar 2017 ERC-Chem Day, Accademia dei Lincei, Rome for the 10th Anniversary of the European Research Council www.erc-chemday.it

ADDITIONAL INFORMATION

Other contributions to the research community

1. Dissemination events:

- Since 2022: Participation with activities/open lab at the **Biennale di Tecnologia – Politecnico di Torino**, an 3-days event every 2 years (2022, 2024, 2026 editions) in April where Politecnico open the doors to the public and citizens, showing research and innovations.
- Since 2018 Yearly participation with conferences and activities/open labs to “**Just the Woman I Am**” organised by Centro Universitario Sportivo (CUS), Politecnico di Torino and University of Turin to promote gender equality, sport, well-being and research against female cancer. Every years the event is for three days, centered on 8th March.
- 2019 Organization of the exhibition, supply of materials drawings and video, and guided tours to the “**Uomo Virtuale - Corpo, Mente, Cyborg**” Exhibit from 4th May to 13th October 2019 at Mastio della Cittadella, Turin organized by INFM and IIT with the partnership of Politecnico di Torino <https://www.mentelocale.it/torino/eventi/132998-mostra-scientziato-uomo-virtuale-corpo-mente-cyborg.htm>
- 10th October 2018 Participation to the **RAI Scuola TV program “Vita da Ricercatore”** on the life of Valentina Cauda and the research activities of the TNH Lab.
- 8th May 2018 “Innovation in Italy” event organized by Johnson&Johnson at Janssen, Cologno Monzese (Milan) https://www.youtube.com/watch?reload=9&v=n0_zDnOL9HQ&feature=youtu.be&a=
- 14th March 2018 Valentina Cauda presents the TrojaNanoHorse project at **RAI studios in Rome** within the program Memex Galileo of RAI Scuola conducted by Prof. Valerio Rossi Albertini
- Nov 2017 TV interview by the famous comedian Enrico Bertolino in the program “**Meravigliosa Mente**” on the TV Italian **Channel La7**, transmitted on Saturday 11th November 2017.
- 2017 Preparation and supply of a 3 minutes video interview for the Exhibition “Giornata della Ricerca 2017” held on 21th March 2017 at Politecnico di Torino, Aula Magna Giovanni Agnelli
- 10th May 2014 **Salone Internazionale del Libro 2014**, Turin <http://www.codicedizioni.it/i-nostri-appuntamenti-al-salone-del-libro-sabato-10-maggio/>
- 20th Feb 2014 Giovedì Scienza -28th Edition- Teatro Colosseo, Turin, Italy – plenary talk Italian version: https://www.youtube.com/watch?v=jp7V4fyg0_w&t=93s

2. Memberships of Scientific Societies or Academy

- 2024-present Member of Scientific Committee of Festival della Scienza di Genova (Genoa, Italy)
2023-present Member (Socio Corrispondente non residente) of Istituto Lombardo-Accademia di Scienze e Lettere Classe di Scienze Matematiche e Naturali – Sezione di Chimica.
2023-present Member of Scientific Committee of Centro Scienza- Italian association for science dissemination 2022-2023 Senior Member of EVITA- Italian Association of Extracellular Vesicles
2022-present Member of AERG, association of ERC grantees
2022-present American Chemical Society (ACS) Membership - regular member 31614051

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2021-present	Member of ERC IN ITALY, association of ERC Italian grantees
2021-present	Invited Member to Academia-net.org, the portal to excellent women academics, founded by swissNational Science Foundation https://www.academia-net.org/profile/valentina-cauda/77170
2017- present	Honorary Member of USERN: Universal Scientific Education and Research Network
2017-present	Supporter of FET-Flagships NANO4P-Precision Nanomedicine for People http://www.nano4p.eu/2014 –
2020	Member, Società Chimica Italiana (Italian Chemical Society)
2011- 2016	Member, Piezo Institute (European network bridging piezoelectric materials and facilities)

3. *Language knowledge:*

Italian: mother tongue

English, French, Spanish and German: very fluent in speaking, good writing

Career breaks, diverse career paths and major life events

4th Nov 2013 – 4th May 2014 Maternity leave, 6 months

I authorize the personal data treatment.

Valentina Cauda

