

## **PERSONAL DATA**

date of birth: July 30, 1974  
citizenship: Italian  
address: Via Villa Lauricella 8, 00176 Rome (Italy)  
contact details: ph. (+39)3280828498 - lucarnaudo@gmail.com  
languages: Italian (native speaker); English, Spanish, French, German (fluent); Greek (basic)

**RESUMÉ** *Full-time civil servant in highest Italian public institutions related to competition and regulation since 2001 // part-time professor of law and economics in a top ranking Italian university since 2016 // visiting professor and scholar in European and American universities // frequent lecturer at institutional and academic venues // 3 books and ca. 40 articles issued in Italian and English on antitrust, regulation, pharmaceutical law, market analysis, geo-economics, and cognitive law // regularly ranking in the top 10% of Authors on SSRN and 5% on Academia.edu by all-time downloads*

## **EDUCATION**

- Ph.D. (dottorato di ricerca) in Law and Economics from LUISS Guido Carli University, Rome («LUISS»). First-class degree (2009-2012)
- P.G. Dip. in Law from Scuola Superiore Sant'Anna, Pisa («SSSA»). First-class degree with honors (1993-1998. SSSA admits only 3-5 students per year upon national selection by exams)
- University of Pisa, J.D. First-class degree with honors (1993-1998)

## **ACADEMIC, RESEARCH AND VISITING POSITIONS**

- Syracuse University College of Law («SUCOL»), Syracuse (NY-USA): invited as visiting professor for the incoming Spring semester (January-May 2022). Scheduled courses: global antitrust; pharma and biotech law and economics
- LUISS, Department of Business and Management: adjunct professor since September 2016
  - every winter semester since AY 2016-2017 responsible of «Markets, Regulations, and Law», a 48 h course taught in English to up to 140 students per year (combined teaching methods used: frontal lectures, group projects, moot court, behavioral economics experiments)
  - April 2021: scientific director of a 12 h special course, «Pharmaceutical regulation», taught in English to 30 international students from the Mediterranean area
  - May 2017: responsible of a 15 h special course, «International Antitrust», financed by the World Intellectual Property Organization and taught in English to 20 international students
  - up to now, ca. twenty students successfully supervised for their final degree thesis to be defended in front of an academic commission
- SUCOL: visiting lecturer in April 2018. Course taught: «Law and Market Economy» (12 h)
- SSSA, Faculty of Law: visiting professor from June to December 2014. Courses taught (in Italian): «cognitive law» (12 h); «pharmaceutical regulation & competition» (12 h). Research associate at SSSA since December 2014
- SSSA, Faculty of Law: lecturer from March to April 2014. Course taught: «antitrust» (30 h)
- SUCOL: visiting scholar in September 2011
- Universidad Nacional de La Matanza, Buenos Aires (Argentina): visiting professor from April to May 2010. Lectures (held in Spanish) on EU consumer's protection

- Oslo Universiteit, Oslo (Norway): visiting scholar in August 2003
- Wien Universität, Vienna (Austria): visiting scholar in August 2000

## **CURRENT RESEARCH INTERESTS**

- antitrust
- pharma and biotech law and economics
- law and geo-economics
- cognitive law (applications of cognitive science to legal theory)
- arts law

In more detail, ongoing research projects focus on:

- multi-dimensional approach to access to fundamental cures (market competition, price negotiation, compulsory licensing)
- legal discipline of new hybrid advanced therapies (CAR-Ts) and ‘hospital exception’
- biotech intersections between agri-food and pharmaceutical sectors (plant molecular pharming discipline; cultured meat regulation)
- transition towards State-organized digital currencies and ‘Cold War II’

## **SPECIAL RESEARCH GROUPS**

- Member of a research group on fair access to anti-Covid-19 vaccines established at the ‘Cortile dei Gentili’, an institution of the Pontifical Council for Culture, Vatican City State (2021 - ongoing)
- Member of a research group on access to essential medicines established at SSSA by NGOs Oxfam and Action Health (2018)

## **ACADEMIC MEMBERSHIPS, SCIENTIFIC COMMITTEES, EDITORIAL BOARDS**

- Member of the Academic Society for Competition Law - ASCOLA, the Italian Society of Law and Economics - SIDE, the Italian Association of Law and Neuroscience (founding member)
- Scientific committee’s member of the Turin School of Regulation («TSR»)
- Member of the editorial board of «Antitrust & Public Policies»
- Peer reviewer of the LUISS University Press («LUP»), the reviews «Mercato Concorrenza Regole» («MCR»), «Rivista Italiana di Medicina Legale» («RIML»), «Opinio Juris in Comparatione» («OJC»). Past European editor of «The Digest», the law journal of the National Italian American Bar Association, published by SUCOL (2013-2019)

## **PROFESSIONAL FULL-TIME ACTIVITIES**

- Italian Medicines Agency («AIFA»): officer at the general directorate since July 2020
  - special advisor of the General Director on competition and legal issues
  - representative of the Italian government in the steering committee for EU joint procurements of anti-Covid19 drugs
  - team leader of the drafting groups of the new national guidelines on drugs pricing negotiation and new clinical trial national regulation
  - negotiator of international bilateral agreements related to trade and safety of drugs
- Italian Competition Authority, Rome («AGCM»): officer at the investigative directorate from September 2001 to July 2020

- case-handler of antitrust proceedings (cartels, abuses of dominant position, merger control) in the areas of pharmaceuticals, agri-food, transports, environmental public utilities, oil & gas
- Pavia & Ansaldo law firm, Milan and Turin, legal practitioner from September 1998 to December 2000 (admitted to the Italian Bar since 2003)

## PAST ACTIVITIES RELATED TO LEGAL MATTERS AND EDUCATION

- Legal trainer of judges and public officers in Albania, Bulgaria, Croatia, Montenegro, Romania, and Serbia, on behalf of EU cooperation programs, with a focus on competition and public procurement (2004 – 2019)
- Legal expert on behalf of the Italian government for defending a case at the EU Court of Justice in Luxembourg (case C-179/16, May 2017)
- National Judge of the European Law Moot Court, XXVI edition (Pisa, February 2015)

## SELECTED ACADEMIC PUBLICATIONS

### Books

1. *La cura della concorrenza. L'industria farmaceutica fra diritti e profitti*, co-authored with G. Pitruzzella (now Advocate General at the EU Court of Justice), LUP, 2019 (topic: pharmaceutical law, antitrust and economics. The book has been presented at various venues, keynote speakers being, among others, the Italian Ministry of Health)
2. *Scambi, mercato, concorrenza*, LUP, 2014 (topic: trade, markets and competition)
3. *La ragione sociale. Saggio di economia e diritto cognitivi*, LUP, 2012 (topic: foundations of cognitive law & economics)

### Book Chapters

1. *Controllo degli investimenti esteri e delle concentrazioni nella nuova età del protezionismo*, in E. A. Raffaelli (ed.), *Antitrust between EU Law and National Law. Acta XIII Treviso Conference*, Bruylant, 2019 (topic: Foreign Direct Investments screening and merger control)
2. *Le concentrazioni. Profili sostanziali*, in A. Frignani and S. Bariatti (eds.), *La disciplina UE della concorrenza*, Cedam, 2012 (topic: EU merger control)
3. *Le concentrazioni. Profili procedurali*, in A. Frignani and S. Bariatti (eds.), *La disciplina UE della concorrenza*, Cedam, 2012 (topic: procedural issues of EU merger control)
4. *Regolamentazione finanziaria e tutela della concorrenza*, in R. D'Apice (ed.), *L'attuazione della MiFiD in Italia*, Il Mulino, 2010; co-authored with R. Pardolesi (topic: antitrust and finance)
5. *Il sistema sanzionatorio e le misure cautelari*, in A. Frignani and R. Pardolesi (eds.), *La concorrenza*, Giappichelli, 2006 (topic: fines and interim measures in EU antitrust)

### Academic articles (most of them available at <https://luiss.academia.edu/LucaArnaudo> and [www.ssrn.com](http://www.ssrn.com))

1. *Lezioni da una pandemia. per uno sviluppo condiviso e un accesso equo a cure essenziali e vaccini*, MCR, n. 3, 2021 - forthcoming; co-authored with N. Magrini, F. Locatelli, E. Costa, C. Caporlae (topic: Covid-19 pandemics and access to essential medicines)
2. *Camere di commercio, borse merci, CUN, rilevazioni e definizioni di prezzi*, MCR, n. 2, 2020 (topic: commodity exchanges and agri-food value chains)
3. *La saga Avastin/Lucentis: ultima stagione*, Il Foro Italiano, n. 10/2019; co-authored with R. Pardolesi (topic: pharmaceutical industry and antitrust)
4. *On foreign investment and merger controls: A law and geo-economics view*, OJC, n. 1, 2017 (topic: Foreign Direct Investments, antitrust merger control, and geo-economics)

5. *À l'économie comme à la guerre. Note su golden power, concorrenza e geo-economia*, MCR, n. 3, 2017 (topic: geo-economics and economic wars)
6. *On vaccines, pharmaceutical markets, and a role for competition law in protecting (also) human rights*, European Competition Law Review n. 7, 2017; co-authored with G. Pitruzzella (topic: pharmaceutical industry, competition and human rights)
7. *Sul giusto prezzo, tra Aquino e Aspen*, MCR, n. 3, 2016; co-authored with R. Pardolesi (topic: fair price of drugs and antitrust)
8. *In vino auctoritas. L'industria vinicola tra consorziativismo e coopetition*, MCR, n. 2, 2016 (topic: wine industry and competition)
9. *Whistleblowing: le parole e le cose*, MCR, n. 3, 2015 (topic: whistleblowing policies)
10. *Dispute farmaceutiche e concorrenza: il caso Lundbeck*, Il Foro Italiano, n. 6/2015 (topic: pharmaceutical industry, reverse payment settlements and antitrust)
11. *Il patent linkage nel settore farmaceutico e nell'ordinamento italiano*, MCR, n. 2, 2014 (topic: pharmaceutical industry, antitrust and intellectual property rights)
12. *The strange case of Dr. Lucentis and Mr. Avastin*, European Competition Law Review n. 7, 2014 (topic: commentary of an antitrust proceedings against a pharmaceutical cartel)
13. *The Quest for Behavioural Antitrust*, The Dovenschmidt Quarterly, n. 2, 2013 (topic: antitrust, behavioral economics and cognitive science)
14. *Equivalenti, biosimilari, gare: appunti di governo concorrenziale della spesa farmaceutica*, MCR, n. 2, 2013 (topic: public procurement and regulation of pharmaceutical products)
15. *Riforme, regolazione, retorica: il caso dei servizi idrici in Italia*, L'Industria, n. 3, 2012 (topic: water industry, regulation and competition)
16. *Cognitive Law. An Introduction*, The Digest, n. 1, 2011 (topic: cognitive science and legal theory)
17. *The Competition Environment of Packaging Waste Management*, European Competition Law Review, n. 10, 2011 (topic: waste management regulation and competition)
18. *Holes in the water. The reform of water sector in Italy*, Competition and Regulation in Network Industries, n. 2, 2011 (topic: water industry, regulation and competition)
19. *Diritto in evoluzione*, Materiali per una storia della cultura giuridica, n. 2, 2011 (topic: evolutionary science and legal theory)
20. *ConSORZI, concorrenza, ecologia politica*, MCR, n. 1, 2011; co-authored with G. Pietropaolo (topic: waste management regulation and competition)
21. *Raising Rival's Ghosts*, Il Diritto industriale, n. 1, 2011 (topic: commentary of antitrust case-law)
22. *Concorrenza tra autorità indipendenti*, Giurisprudenza Commerciale, n. 5, 2010 (topic: economic analysis of public law)
23. *Mercosur: progressi e prospettive*, La Comunità Internazionale, n. 3, 2010 (topic: institutional analysis of the Common Market of South America)
24. *Diritto cognitivo: prolegomeni a una ricerca*, Politica del Diritto, n. 1, 2010 (topic: cognitive science, law and economics)
25. *I servizi pubblici dall'anarchia al disordine*, Bollettino Astrid, November 2009 (topic: public utilities regulation and competition)
26. *I servizi pubblici, l'antitrust e l'articolo 23 bis. Bandoli da un imbroglio*, MCR, n. 2, 2009 (topic: public utilities regulation and competition)
27. *Le misure cautelari nel diritto antitrust nazionale e comunitario*, Rivista italiana di diritto pubblico comunitario, n. 6, 2006 (topic: antitrust and interim measures)
28. *Costituzione e concorrenza*, Rivista italiana di diritto pubblico comunitario, n. 3, 2005 (topic: Italian constitutional law and antitrust)

29. *Considerazioni di efficienza nel nuovo controllo comunitario delle concentrazioni*, MCR, n. 1, 2005 (topic: EC merger regulation and antitrust)
30. *Principi, procedura e restrizioni accessorie nel diritto antitrust comunitario*, Contratto e Impresa/Europa, n. 1, 2003 (topic: antitrust and ancillary restraints)
31. *Gestione giuridica delle acque e concorrenza nei servizi idrici*, MCR, n. 3, 2003 (topic: water industry, regulation and competition)
32. *Le restrizioni accessorie nel diritto antitrust*, Contratto e Impresa/Europa, n. 2, 2002 (topic: antitrust and ancillary restraints)
33. *Abuso di posizione dominante: la reimmatricolazione delle auto storiche*, Il diritto industriale, n. 3, 2002 (topic: commentary of antitrust case-law)
34. *Aiuti di stato, tariffe e concorrenza*, Rivista italiana di diritto pubblico comunitario, n. 6, 2000 (topic: EU state aids regulation)
35. *Gli aiuti di stato in una prospettiva di rilevanza e controllo nazionale*, Rivista di diritto dell'impresa, n. 2, 2000 (topic: EU state aids regulation)
36. *La tutela della concorrenza sospesa tra giurisdizione ordinaria e autorità garanti*, Giurisprudenza Italiana, 2000 (topic: antitrust and conflicts of jurisdiction)
37. *Leopoldina e lesa maestà: i brevi lumi di una grande riforma*, Nuova rivista storica, n. 2, 1999 (topic: historical analysis of the first abolition of the death penalty)
38. *Mediazione e diritto penale: una proposta di conciliazione*, Sociologia del Diritto, n. 2, 1999 (topic: criminal law and alternative disputes resolution)
39. *Un diritto penale per l'Unione Europea? Appunti su di un rapporto complesso*, Il Ponte, n. 1, 1999 (topic: EU criminal law)
40. *Le sanzioni comunitarie della concorrenza*, Rivista italiana di diritto pubblico comunitario, n. 3-4, 1998 (topic: antitrust fines)
41. *L'abuso di informazioni nel gruppo creditizio*, The Cardozo Electronic Law Bulletin, 1996 (topic: insider trading and banking law)

#### Translations

1. Robin Paul Malloy, *Adam Smith nelle corti degli Stati Uniti* (essay translated from English to Italian, MCR, n. 3, 2012)
2. Benjamin Constant, *La libertà degli antichi e dei moderni* (collection of essays translated from French to Italian), Macerata 2001, 4<sup>th</sup> edition 2018

#### **SELECTED SPEECHES AND LECTURES**

*Regular lecturer at academic and institutional venues, including, among others, the World Health Organization and national competition authorities. Frequent professional meeting activities - not detailed here - at the highest ministerial levels in Italy and with the European Commission*

1. *Frontiers of therapeutic innovation, market regulations, and access to cures: the case of CAR-Ts*, lecture held at Universidad de Navarra, Pamplona, October 2021 (delivered in English)
2. *On drugs, competition, and Covid-19*, lecture held at the LEAR Competition Festival, Rome, June 2021 (ENG)
3. *Covid-19 and excessive pricing*, presentation held at the CeBIL - Centre for Advanced Studies in Biomedical Innovation Law - Copenhagen University, January 2021 (ENG)
4. *Fair and equitable pricing in health: on competition law and access to medicines*, presentation held at a South Centre-IDEA international conference, December 2020 (ENG)

5. *On Pharmaceutical antitrust, bargaining - and fair pricing*, presentation held at the World Health Organization, Geneva, February 2020 (ENG)
6. *Pharmaceutical antitrust*, round of seminars (tot. 8 hours) held at the Serbian Competition Authority, Belgrade, December 2019 (ENG)
7. *Unfair commercial practices and agri-food value chains: the new EU discipline*, seminar delivered at a professional meeting, Milan, November 2019 (Italian)
8. *Exploitative conducts in the pharma sector*, lecture held at an EU Training program of national judges, Valencia, October 2019 (ENG)
9. *Taking care of the cures*, roundtable held at the journalistic festival Internazionale, Ferrara (Teatro Comunale, a venue with ca. 500 paying spectators), October 2019 (IT)
10. *How to guarantee competition in the pharma sector*, lecture held at the National Superior Institute of Health, Rome, July 2019 (IT)
11. *FDI screening and antitrust merger control in the new age of protectionism*, presentation held at the Int. Investment Law & Competition Law Colloquium, Zaragoza, September 2018 (ENG)
12. *FDI screening and antitrust merger control in the new age of protectionism*, lecture held at the XIII Treviso Antitrust Conference, Treviso, May 2018 (IT)
13. *An Introduction to the Italian legal system*, lecture at the SUCOL, April 2018 (ENG)
14. *On foreign investment and merger controls: A law and geo-economics view*, lecture held at the Indian Law Institute, New Delhi, November 2017 (ENG)
15. *IPRs, competition, and drugs*, lecture at the 1<sup>st</sup> World Conference on Access to Medical Products and International Laws for Trade and Health, New Delhi, November 2017 (ENG)
16. *How much is enough? On drug's pricing*, lecture at SSSA, November 2017 (ENG)
17. *On drug's pricing and right to health*, speech at the Tribunal of Milan, October 2017 (IT)
18. *Pharma Food: A competition view*, lecture at SSSA, Pisa, September 2017 (ENG)
19. *Access to essential medicines, pharmaceutical industry, and human rights protection*, speech at the 2017 Economics Festival, Trento, June 2017 (IT)
20. *Competition, ethics, and enhancing drugs*, speech at the National Order of Physicians and Dentists Conference, Rome, March 2017 (IT)
21. *Public procurement and competition*, lecture at RomaTre University, Rome, June 2016 (IT)
22. *The Italian competition authority: main features and activities*, lecture at LUMSA University, Rome, April 2016 (ENG)
23. *The Italian competition authority: features and activities*, lecture at LUISS, Rome, April 2016 (IT)
24. *Regulation and competition: the pharmaceutical sector as a case study*, lecture at The University of Basilicata, March 2016 (ENG)
25. *A very short introduction to Roman Law*, lecture at the Biblioteca Vallicelliana in Rome to a delegation of students from SUCOL, March 2016 (ENG)
26. *Competition law in the pharmaceutical sector*, speech at the IBC Legal Conference, Brussels, December 2015 (ENG)
27. *Regulation and competition: the pharmaceutical sector as a case study*, master class at LUISS, November 2015 (ENG)
28. *Antitrust and intellectual property rights: an introduction*, presentation at the EU-Central Asia Rule of Law Platform, Cassation Court, Rome, November 2015 (IT)
29. *Antitrust public enforcement in the pharmaceutical industry*, speech at the III national congress of the AAI-Italian Antitrust Association, Rome, September 2015 (IT)

30. *Product life-cycle management and pharmaceutical "patent-ability"*, presentation at the Russian Federal Antimonopoly Commission, Moscow, September 2015 (ENG)
31. *The Roche-Novartis/Avastin-Lucentis case*, speech at the 24<sup>th</sup> EU Pharmaceutical Law Forum, Bruxelles, May 2015 (ENG)
32. *The reform of EU agricultural policy and competition*, speech at the Italian Ministry of Agriculture, March 2015 (IT)
33. *The competition framework of the pharmaceutical industry*, master class at LUISS, Regulation Lecture Series, November 2014 (ENG)
34. *IP rights and antitrust*, seminar at AGCM, March 2014 (IT)
35. *An introduction to competition laws and policies*, seminar at the University of Palermo for EU judges, Palermo, November 2013 (ENG)
36. *Cognitive antitrust*, seminar at AGCM, November 2013 (IT)
37. *Understanding/designing agents. Perspectives on cognitive law and economics*, seminar at the Harz University, Halberstadt, October 2013 (ENG)
38. *Regulation and competition in environmental network industries*, master class at the TSR Summer School, Turin, September 2013 (ENG)
39. *On cognitive Law, economics, and legal theory*, lecture at SSSA, June 2013 (IT)
40. *Pharmaceutical markets and industrial issues*, speech at the Headquarter for Joint Investigations of Antimonopoly Violations in the CIS Member-States, Moscow, March 2013 (ENG)
41. *Regulation and competition, theory and practice in the public utilities*, master class at the TSR Summer School, Turin, September 2012 (ENG)
42. *Regulation, competition, and public utilities*, round of seminars (tot. 6 hours) held at the Albanian Competition Authority, Tirana, September 2012 (ENG)
43. *Fines and Commitments in Italian antitrust enforcement*, Post-degree seminar at LUISS, Rome, May 2012 (IT)
44. *The quest for behavioral antitrust*, presentation at the 7<sup>th</sup> SIDE National Convention, Turin, December 2011 (ENG)
45. *An Introduction to the Italian Legal System*, lecture at SUCOL, September 2011 (ENG)
46. *Neuroscientific perspectives for law and economics*, lecture at the 1<sup>st</sup> DI.ME.CE. Symposium, University of Turin, April 2011 (IT)
47. *On new evolutionary studies, the experimental method, and the law*, presentation at the 6<sup>th</sup> SIDE National Convention, Bozen, December 2010 (ENG)
48. *Environmental public utilities and antitrust*, master class at the Fondazione per l'Ambiente, Turin, September 2010 (ENG)
49. *International antitrust*, master class at the Università della Tuscia, Viterbo, June 2010 (IT)
50. *Procedural issues of EU antitrust*, seminar at the Argentinian Competition Authority, Buenos Aires (Argentina), April 2010 (Spanish)
51. *The administrative organization of the EU*, lecture at the Universidad de Buenos Aires, April 2010 (Spanish)
52. *Principles of Italian administrative law*, lecture at the Universidad Catolica de Salta, Salta (Argentina), April 2010 (Spanish)
53. *Exclusionary conducts, monopolization, and the Google Books Program*, PhD seminar at LUISS, Rome, January 2010 (IT)

54. *In-house providing of waste management services and antitrust*, seminar at TiForma Meeting, Florence, March 2009 (IT)
55. *Water services and antitrust*, seminar at TiForma Meeting, Florence, February 2009 (IT)
56. *Public local utilities and competition*, master class at the Fondazione per l'Ambiente, Turin, September 2008 (IT)
57. *Water markets and European antitrust*, master class at the Università di Roma-Tor Vergata, Rome, July 2008 (ENG)
58. *Ancillary restraints and competition*, master class at Università RomaTre, Rome, June 2008 (IT)
59. *Competition and public procurement*, seminar at the Euro-PA Fair, Rimini, June 2008 (IT)
60. *Towards a competitive regulation of public utilities*, seminar at the COMPA-Fair, Bologna, November 2007 (IT)
61. *Competition and environmental law*, roundtable at LUISS University, Rome, December 2005 (IT)
62. *An introduction to Italian antitrust*, lecture at the Turin Bar Association, Turin, March 2005 (IT)
63. *Energy markets, regulation and antitrust*, master class at ESCP-EAP European School of Management, Turin, December 2004 (ENG)
64. *Energy markets, regulation and antitrust*, master class at Università Federico II, Naples, October 2004 (IT)
65. *Modes of payment and international trade*, masterclass at the University Institute of European Studies, Turin, April 2001 (ENG)

## OTHER ACTIVITIES

- Writer of
  - novels (*SAILON*, Andante Books, 2018. Original text in English, see <https://www.andantebooks.com/>)
  - short stories (*Sic Transit*, Nerosubianco, 2009; *Esperipenti*, Nerosubianco, 2007)
  - children's tales (*Ninnananna del temporale*, Nerosubianco, 2016)
  - prosimetra (*Miradar*, Il Bulino, 2011)
  - poetry (*Prima della parole*, Andante Books, 2017; *Vita eccetera*, Unotempore, 2006)
  - travelogues (*Atelier Nord*, Nerosubianco, 2005)
  - essays on contemporary literature
- Art critic and curator (expertise in contemporary arts)
  - author of ca. 100 articles on art reviews (regular contributor to the leading Italian arts magazine *Artribune*)
  - curator of ca. 40 exhibitions in public museums (the Italian National Library and the Napoleonic Museum in Rome among others) and private galleries, in Italy and abroad
  - director of the artist-in-residence program for international artists and writers at Villa De Sanctis on the Turano Lake, Colle di Tora (Rieti)
- Numismatist (expertise in ancient Greek and Roman coinages, with a few articles issued on the specialized review *Monete Antiche*).

Curriculum Vitae up to date as of November 7, 2021

