

Luca Perri

Astrophysicist and science communicator



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Luca Perri obtained a Ph.D. in Physics and Astrophysics from the University of Insubria. He is an astrophysicist and an astronomer at the Italian Physics Society (SIF), Astronomical Observatory of Milano Brera-Merate, the Planetarium of Milano and the Planetarium of Lecco. He is former member of the National Institute of Astrophysics (INAF) and of the National Institute of Nuclear Physics (INFN). He deals with science communication on radio, television, newspapers, festivals, and social networks. His collaborations include Kilimangiaro (Rai 3), Radio2, Radio DeeJay, Radio Capital, Radio24, La Repubblica, Corriere della Sera, Le scienze, Focus, Focus Junior, Pikaia, CICAP, TeDx, Genoa Science Festival, Lucca Comics & Games, and BergamoScienza. He was the Italian champion and international finalist of FameLab 2015, the talent show on popular science. He is author and host of different columns within various programs of Rai Cultura, for which he is also author and host of the show "Nautilus". He is also author and co-host of the show "Superquark+" with Piero Angela and of the documentary "Infodemic" on Amazon Prime Video. He is teacher in the inter-university courses for Ph.D. students of many Lombard universities, and also author and trainer for DeAgostini Scuola. He is Science Coordinator of Bergamoscienza and a former member of the scientific committee of CICAPFest. He co-hosts science podcasts for Audible and Chora Media, and he has published the books "La pazza scienza" (Sironi), "Errori Galattici" (DeAgostini), "Astrobufale" (Rizzoli), "Partenze a Razzo" (DeAgostini), "Pinguini all'equatore" (DeAgostini), "La scienza di Guerre Stellari" (Rizzoli), "Apollo Credici" (DeAgostini), and "La tempesta imperfetta" (DeAgostini).

GENERAL INFORMATION

Date of birth: July 4, 1986
Place of birth: San Giovanni Bianco (BG), Italy.

Nationality: Italian.
Languages: Italian (mother tongue),
English (C1),
Spanish (basic knowledge)

EXPERIENCES

Science

- Technological development for Cherenkov telescopes, INAF Astronomical Observatory of Milan Brera-Merate, Italy
- Technological development of a specific telescope for muon tomography of the Etna Volcano, INAF Astronomical Observatory of Milan Brera-Merate, Italy
- Development of coatings, production and qualification methods of mirrors, Cherenkov Telescope Array (CTA) international collaboration
- Associate member of the Italian Society of Physics (SIF)
- Former associate member of the Italian National Institute for Astrophysics (INAF) and of the Italian National Institute for Nuclear Physics (INFN)
- Astronomer and telescope specialist, INAF Astronomical Observatory of Milan Brera-Merate, Italy
- Data taking as Deputy Shift Leader of the MAGIC international collaboration, La Palma, Canary Islands, Spain
- Study of Active Galactic Nuclei, University of Insubria, Como, Italy
- Assembling of the ASTRI SST-2M telescope prototype, Sicily, Italy
- Mirrors substitution on the MAGIC Cherenkov telescopes, La Palma, Canary Islands, Spain
- Nuclear spectroscopy and imaging of selected galaxies in the local environment, INAF Astronomical Observatory of Bologna, Italy
- Calibration of a radio telescope, Noto, Syracuse, Italy

Science communication

- Writing and hosting of numerous science shows of the Italian national public broadcasting company (RAI): Superquark+, Noos, Nautilus, Galileo, Newton, Memex
- Writing and co-hosting with Barbascura X of the documentary "Infodemic" (Amazon Prime Video, YouTube)
- Together with various Italian and international personalities, such as the Oscar-winning actress Susan Sarandon, guest of the documentary on sustainability *Materia Viva*, broadcast by Rai3, awarded "Best Green"

Documentary" at the Giffoni Film Festival 2023 and winner of the "Green Drop Award" at the Mostra Venice International Film Festival 2023.

- Science communication books translated in many different countries: "La pazza scienza" (Sironi), "Errori Galattici" (DeAgostini), "Astrobufale" (Rizzoli, winner of the COSMOS Student Prize 2019), "Partenze a Razzo" (DeAgostini, finalist of the National Science Communication Prize Giancarlo Dosi 2020), "Pinguini all'equatore" (DeAgostini), "La scienza di Guerre Stellari" (Rizzoli), "Apollo Credici" (DeAgostini, winner of the National Science Communication Prize Giancarlo Dosi 2022), and "La tempesta imperfetta" (DeAgostini)
- Co-hosting of science podcasts on Audible: "VS - Verso lo spazio", "IgNobel - L'utilità dell'inutilità scientifica", "Astrobio" (finalist of ilPod, the prize for the best Italian podcasts), "Cineastri" and "Cineastri 2 - Il ritorno"
- Hosting of the Red Bull podcast "Esperimento 36", produced by Chora Media, on the lives and careers of international athletes
- Science articles for various newspapers and magazines: La Repubblica, Corriere della Sera, Il Sole 24 Ore, Il Manifesto, Le Scienze, Focus, Focus Jr, Topolino, Pikaia
- Speeches in various radio broadcasting stations: Radio DeeJay, Radio 2, Radio 3, Radio 24, Radio Capital, Radio 101, Radio Popolare
- Speeches in TV shows of the national broadcasting companies: Rai2, Rai3, TV2000, Forbes TV
- Observatory outreach at the INAF Astronomical Observatory of Milan Brera-Merate, Italy
- Monthly lectures of the Milano Planetarium and of the Lecco Planetarium
- Conferences, science labs and science tours during the most important Italian scientific festivals: Festival della Scienza di Genova, BergamoScienza, Festival delle Scienze di Roma, Lucca Comics & Games, Focus Live, European Researchers' Night, Wired Next Fest, Play Modena, Campus Party, Mantova Food and Science Festival, GiovedìScienza, FrascatiScienza, and others
- Organisation and coordination of scientific events: Pint of Science Italy, Darwin Day 2009, SIBE 2009
- Science Coordinator of Bergamoscienza
- Former scientific committee member of CICAPFest
- Official collaboration with the European Space Agency (ESA), with the National Research Council (CNR), and with the Ministry of University and Research (MUR) for content creation
- Italian winner and world finalist of FameLab 2015, the international science communication competition
- Speech during TEDx Varese and TEDx Verona
- Design and implementation of the citizen science experiments "Scienza sul Balcone" (Science on the Balcony) with the National Research Council (CNR), a project selected by Nature as one of the most interesting during the pandemic emergency in March 2020
- Science communication on social media (i.e. Facebook, Instagram, Twitter, Tik Tok, and YouTube) with over 160 thousand followers

Education

- Teacher in the inter-university courses focused on transversal skills (i.e. "Effective communication" and "Self branding") promoted by Assolombarda for Ph.D. students of many Lombard universities (i.e. Politecnico di Milano, Università degli Studi di Milano, Università degli Studi di Milano Bicocca, Università Cattolica del Sacro Cuore, Campus Humanitas University, Università IULM, and Università degli Studi di Pavia)
- Science textbooks for middle schools: "Experience", "Scienze Live", "MeetScience" (DeAgostini)
- Education of science teachers for DeAgostini
- Teacher for online school courses organized by the CUBO museum of the Unipol group

EDUCATION

- Ph.D. in Physics and Astrophysics, University of Insubria, Como, Italy
- CORSIKA School in extensive air showers simulations, Karlsruher Institut für Technologie (KIT), Lauterbad, Germany
- M.Sc. in Astrophysics and Space Physics, University of Milano-Bicocca, Milan, Italy
- Graduate School in Contemporary Relativity and Gravitational Physics - Astrophysical black holes, SIGRAV, Como, Italy
- B.Sc. in Physics, University of Milano-Bicocca, Milan, Italy
- Scientific high school diploma, Liceo Scientifico Statale 'F. Lussana', Bergamo, Italy

COMPUTER SKILLS

- Operating systems: Linux/Unix, Windows, Android, Mac OS, iOS, iPadOS
- Softwares: SAOImage DS9, Geomagic, Faro arm, G Suite for Education, Microsoft Office, LibreOffice, iWork, Photoshop, Affinity Photo, Lightroom, Gimp, Final Cut Pro X, CapCut, Logic Pro
- Programming: IDL, C, C++, IRAF, Supermongo, ROOT, Phytion Simulations: CORSIKA, COAST, CoREAS

- Typesetting: LATEX, Beamer

OTHER INTERESTS

Climate change, archaeology, palaeontology, exobiology, biology, anthropology, photography, video making, technology, sailing, cooking, travels