Gianluca Ciardelli (Ph.D) http://orcid.org/0000-0003-0199-1427 has a Master Degree in Chemistry summa cum laude, from the University of Pisa (1994). In 1997 he received the **PhD in Natural Sciences from the Swiss Federal Institute of Technology (ETH) of Zurich** on synthetic degradable polyurethanes for biomedical applications.
He moved in 1997 back to Italy, where he started his activities at Tecnotessile in Prato, a private company for applied research, until June 2002. From 2002 and 2004 he was **assistant professor at the University of Pisa**. In December 2004 he joined **Politecnico di Torino as associated professor**. **He became Full Professor in 2011**. Gianluca Ciardelli is coordinating a group of 15 people on average (Graduate Students and Post-docs, with an interdisciplinary background ranging from chemical, biomedical engineering and chemistry) carrying out research in the development of biomedical polymers and realisation of scaffolds for tissue engineering, drug delivery in nanomedicine, experimental organ models. At Politecnico di Torino, he is currently teaching at Bachelor (Chemical Bioengineering) and Master (Bionanotechnology) Level and he coordinates the Doctorate College for the Ph.D Programme in Bioengineering and Medical-Surgical Sciences. He has been organizer of one national and one international conference and of several symposia in international conferences. Recently, he has been appointed as **Conference Chair for the organization of the Conference of the European Society of Biomaterials in 2025**. He is member of the Editorial Board of "nanomaterials" and of the "Journal of Healthcare Engineering". He has acted as external expert assisting, a.o., REA (since 2007), ESF (2009-2011), Eurostars Programme (2011-2014).
The scopus database reports over 150 articles in peer-reviewed journals, 8 book chapters; 12 patents are cited by espacenet. **His h-index is 41** with more than 6000 citations (SCOPUS).

Examples of leadership in industrial innovation or design:
Gianluca Ciardelli have been involved in several project with the involvement of industrial partners (EU project including Incomera and Manunet projects), cofounder and director of the academic spin off Geltis which has produced injectable polymer formulations for advanced drug delivery (PCT/IT2013/00196). I have presented this polyurethane technology to Chinese Investors, by invitation at the "Science for Industry Forum" in Suzhou (China, June 23-24, 2016).
Other International granted patents: 1. Costantino P, Ciardelli G, Barbani N (2009). Lipopolysaccharides decontamination. WO/2009/087571 PCT/IB2009/000133; 2.Ciardelli G, Tonda-Turo C, Gentile P, Chiono V. (2010) "Implantable Prosthetic Device and Solvent Casting Method for Manufacturing The Same". TO2010A000726 PCT/IB2011/053787; WO2012029020

Invited Talks:
"Biomaterial Design for cardiovascular applications" UK Society for Biomaterials 2016, 30th June-1st 2016, London (UK)
"Bioinspired materials and structures for tissue engineering and their application in cardiac tissue and nerve regeneration" Designer Biology Symposium 2017, Vienna (Austria)
"Design of fibrous and injectable platforms for the release of therapeutic ions and drugs in chronic skin wounds treatment" 10th International Conference on Fiber and Polymer Biotechnology" 2018 Balneario Camboriu' (Brasil)
"Novel Thermo-sensitive and Photo-curable Hydrogels as Potential Bioinks in Regenerative Medicine" 4th International Conference on Biomedical Polymers & Polymeric Biomaterials 2018, Krakow (Poland).
Synthetic and bioartificial polymers by design as enabling tools for 3d structures hosting cells ESB 2019 Dresden, Germany