

# Danilo Lofaro

Researcher (RTD-A) in Biostatistics

Department of Mathematics and Computer Science (DeMaCS), University of Calabria

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## Education and Training

**13/02/2014 – PhD in Operations Research**

*University of Calabria, Faculty of Engineering - Mathematical, Physical, and Natural Sciences.*

Thesis title: *Integrated Models of Survival Analysis Applied to Renal Transplant Prognosis*

**18/02/2009 – Master's Degree in Computer Engineering**

*University of Calabria, Faculty of Engineering*

Thesis title: *Optimal Management of the Follow-up of Patients with Kidney Transplants: Analysis of Clinical Data*

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## Academic Position

**01/03/2024 – Researcher (RTD-A)**

Biostatistics (SC 06/M1, SSD MEDS-24/A)

*Department of Mathematics and Computer Science (DeMaCS), University of Calabria*

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## Teaching Activity

### Undergraduate Teaching

**09/2024 – Lecturer – *Applied Statistics for Sport***

Bachelor's Degree in Sport Sciences · 6 ECTS · SSD: MEDS-24/A

*Department of Biology, Ecology and Earth Sciences (DiBEST), University of Calabria*

**09/2024 – Lecturer – Statistics Course: *Mathematics and Statistics for Medicine***

Master Degree in Medicine and Surgery – Digital Technologies · 3 ECTS · SSD: MATH-03/A

*Department of Pharmacy, Health and Nutritional Sciences (DFSSN), University of Calabria*

**09/2025 – Lecturer – Biostatistics**

Course: *Computer Science and Statistics*

Bachelor's Degree in Physiotherapy · 2 ECTS · SSD: MEDS-24/A DFSSN, University of Calabria

**09/2025 – Lecturer – Health Statistics**

Course: *Evidence-Based Nursing*

Bachelor's Degree in Nursing · 1 ECTS · SSD: SECS-S/02

*DFSSN, University of Calabria*

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- 10/2016 – **Teaching Assistant – *Data Mining Techniques***  
 03/2024 Master's Degree in Management Engineering. Practical sessions and tutoring in R programming for data analysis  
*Department of Mechanical, Energy and Management Engineering (DIMEG), University of Calabria*

### PhD and Residency Programmes

- 05/2025 – **Lecturer – *Biostatistics***  
 Residency Programmes in General Surgery, Clinical Pathology, Cardiovascular Diseases and Nephrology · SSD: MEDS-24/A  
*DFSSN, University of Calabria*
- 09/2014 – **Lecturer – *Statistics for Life Sciences***  
 11/2021 PhD Programme in Life Science and Technology  
*University of Calabria*

### Master's Programmes and Advanced Training Courses

- 01/03/2026 – **Lecturer – *Evidence-Based Medicine (EBM), Clinical Guidelines and Care Pathways***  
 30/04/2026 Second-level Master's Degree in *HealthCare Drivers – Innovation in Healthcare Planning and Management* (2nd edition, A.Y. 2025/2026)  
*DIMEG, University of Calabria*
- 10/10/2025 – **Lecturer – *Statistics for Research***  
 10/10/2026 First-level Master's Degree in *Family and Community Nursing (TD)* (A.Y. 2024/2025)  
*DFSSN, University of Calabria*
- 02/05/2025 – **Lecturer – *Evidence-Based Medicine (EBM), Clinical Guidelines and Care Pathways***  
 31/05/2025 Second-level Master's Degree in *HealthCare Drivers – Innovation in Healthcare Planning and Management* (1st edition, A.Y. 2024/2025)  
*DIMEG, University of Calabria*
- 28/03/2025 – **Lecturer – *Descriptive and Inferential Statistics for Data Management*** Advanced  
 29/03/2025 Managerial Training Programme (PNRR – Mission 6)  
*Department of Business and Legal Sciences (DiScAG), University of Calabria*

### Other Teaching Activities

- 23/09/2023 – **Lecturer – ECM Course: *Prevention and Control of Healthcare-Associated Infections (PNRR Module A)***  
 25/11/2023 Lecture: *Epidemiological surveillance as a core method for prevention: surveillance systems, statistical management of healthcare-associated infections, data analysis and interpretation.*  
 PNRR Mission 6 “Health” – Sub-investment 2.2(b)  
 “Annunziata – Mariano Santo – S. Barbara” Hospital, Cosenza
- 18/12/2014 – **Lecturer – *Basic Statistics and Epidemiology***  
 29/12/2014 Corporate training programme  
 “Annunziata” Hospital, Cosenza

## Academic and Professional Experience

### Research Experience

- 12/2022 – **Research Fellow**  
07/2023 “Data analysis methods supporting clinical and pharmacological studies”  
*DIMEG, University of Calabria*
- 04/2020 – **Research Fellow**  
06/2022 “Data analysis models and methods supporting clinical and healthcare studies”  
*DIMEG, University of Calabria*
- 02/2019 – **Research Fellow – ALCMEONE Project (PON03PE\_0001\_01)**  
01/2020 “Advanced statistical analyses supporting decision-making in clinical processes”  
*Dep. of Economics, Statistics and Finance (DESF), University of Calabria*
- 04/2015 – **Research Fellow – NEUROMEASURES Project (PON 03PE\_00009\_1)**  
01/2018 Development of statistical models and optimization methods for clinical data analysis in neurodegenerative diseases (Parkinson’s and Alzheimer’s disease)  
*DIMEG, University of Calabria*
- 12/2012 – **Research Fellow – NEUROSTAR Project (PON 01\_01180)**  
03/2015 Development of models and optimization methods for quantitative analysis of clinical data in patients with disorders of consciousness and post-stroke rehabilitation  
*DIMEG, University of Calabria*
- 04/2012 – **Data Scientist**  
07/2021 Clinical study design and development of etiological and prognostic models in nephrology  
*Southern Italy Transplant Association – “Kidney and Transplantation” Research Center, Unit of Nephrology, Dialysis and Transplantation, “Annunziata” Hospital, Cosenza*

### Other Professional Experience

- 06/2021 – **Senior Data Scientist**  
05/2023 Supervision of research and development activities within projects aimed at designing and implementing Big Data platforms in life sciences and omics sciences  
*SCAI srl*
- 09/2020 – **Clinical Project Manager**  
07/2021 Design, implementation and data analysis of clinical studies in the field of nutraceuticals  
*Macrofarm srl*
- 02/2018 – **External Collaborator**  
01/2019 Database design and management; data preprocessing and visualization in R; application of statistical modeling and machine learning methods  
*Quality Assurance and Evaluation Unit (PQA), University of Calabria*

## Advanced Training and Fellowships

- 02/2012 – ERA-EDTA Short-Term Fellowship (STF 21)  
07/2012 Research project: *Application of New Prognostic Models for Predicting Long-term Renal Transplant Survival in a European Pediatric Population*  
*Academic Medical Center, University of Amsterdam (Netherlands)*
- 08/2010 Erasmus Summer Programme — Epidemiology and Biostatistics  
Training in study design, data analysis, clinical decision-making, prognostic research, clinical trials and health economics  
*Netherlands Institute for Health Sciences (NIHES), Erasmus Medical Center, Rotterdam (Netherlands)*

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## Scientific Activity

- 26/04/2021 – 26/04/2032 National Scientific Qualification (VI semester 2020)  
Eligibility for the position of Associate Professor in the sector 06/M1 – SSD MEDS-24/A (former MED/01)  
– Biostatistics

## Bibliometric Indicators (last updated April 2026)

- Scopus: h-index 18 – Total citations 1137
- Web of Science: h-index 17 – Total citations 958

## Journal Publications

1. Ferrisi S, Guido R, Lofaro D, Ambrogio G. Advancing sustainable milling: A novel framework for tool wear prediction. *Proc CIRP* 2026;138:444–9. <https://doi.org/10.1016/j.procir.2026.01.077>.
2. Bossio S, La Russa D, Antonucci G, Lofaro D, Urlandini L, Mandal'a M, et al. Caloric restriction attenuates oxidative and inflammatory markers of aging, while compromising germinative epithelium homeostasis in the rat aged testis. *J Endocrinol Invest* 2026;1–14. <https://doi.org/10.1007/s40618-025-02806-y>.
3. Di Agostino S, La Padula D, Rago V, Gabriele C, Conforti F, Aprigliano E, et al. Proteomic profiling identifies a stromal TGF- $\beta$ 1 podoplanin axis as a driver of colorectal cancer progression. *J Exp Clin Canc Res* 2025;44:247. <https://doi.org/10.1186/s13046-025-03496-3>.
4. Augimeri G, Lofaro D, Vivacqua A, Barone I, Giordano C, Morelli C, et al. Associations among skin carotenoids, anthropometric parameters and healthy lifestyle behaviors in young adults: A cross-sectional, population-based study. *J Transl Med* 2025;23:952. <https://doi.org/10.1186/s12967-025-06978-2>.
5. Martino E, Caridà G, Lofaro D, Bruzzese A, Labanca C, Mendicino F, et al. A network meta-analysis of randomized clinical trials in lenalidomide-exposed or -refractory multiple myeloma patients. *ESMO Open* 2025;10. <https://doi.org/10.1016/j.esmoop.2025.105514>.
6. Bossio S, Ruffolo SA, Lofaro D, Perri A, La Russa MF. Endocrine toxicity of micro-and nanoplastics, and advances in detection techniques for human tissues: A comprehensive review. *Endocrines* 2025;6:23. <https://doi.org/10.3390/endocrines6020023>.
7. Urlandini L, Leonetti AE, Conforti F, Perri A, Lofaro D, Antonucci G, et al. Calorie-restriction treatment mitigates the aging in rat liver model. *Biogerontology* 2025;26:1–19. <https://doi.org/10.1007/s10522-025-10245-8>.
8. Ferrisi S, Guido R, Lofaro D, Zangara G, Conforti D, Ambrogio G. A CNN architecture for tool condition monitoring via contactless microphone: Regression and classification approaches. *Int J Adv Manuf Tech* 2025;136:601–18. <https://doi.org/10.1007/s00170-024-14860-6>.
9. Spina A, Amone F, Zaccaria V, Insolia V, Perri A, Lofaro D, et al. Citrus bergamia extract, a natural approach for cholesterol and lipid metabolism management: A randomized, double-blind placebo-controlled clinical trial. *Foods* 2024;13:3883. <https://doi.org/10.3390/foods13233883>.

10. Amone F, Spina A, Perri A, **Lofaro D**, Zaccaria V, Insolia V, et al. Standardized grape (*vitis vinifera* L.) extract improves short-and long-term cognitive performances in healthy older adults: A randomized, double-blind, and placebo-controlled trial. *Foods* 2024;13:2999. <https://doi.org/10.3390/foods13182999>.
11. Zaccone V, Perri A, **Lofaro D**, Bossio S, Rago V, Di Dio M, et al. Life-threatening gross hematuria caused by giant renal artery branch aneurysm coexistent with artero-venous fistula leading to acute rupture of renal pelvis. *Chirurgia (Bucur)* 2024;37:287–91. <https://doi.org/10.23736/S0394-9508.23.05596-1>.
12. Bossio S, Perrotta ID, **Lofaro D**, Russa DL, Rago V, Bonofiglio R, et al. The missense variant in the signal peptide of  $\alpha$ -GLA gene, c.13 a/g, promotes endoplasmic reticular stress and the related pathway's activation. *Genes (Basel)* 2024;15. <https://doi.org/10.3390/genes15070947>.
13. Rago V, Conforti F, La Russa D, Antonucci G, Urlandini L, **Lofaro D**, et al. The effects of caloric restriction on inflammatory targets in the prostates of aged rats. *Int J Mol Sci* 2024;25:5236. <https://doi.org/10.3390/ijms25105236>.
14. Guido R, Ferrisi S, **Lofaro D**, Conforti D. An overview on the advancements of support vector machine models in healthcare applications: A review. *Information (Basel)* 2024;15:235. <https://doi.org/10.3390/info15040235>.
15. **Lofaro D**, Amparore D, Perri A, Rago V, Piana A, Zaccone V, et al. Comparing perioperative complications of off-clamp versus on-clamp partial nephrectomy for renal cancer using a novel energy balancing weights method. *Life (Basel)* 2024;14:442. <https://doi.org/10.3390/life14040442>.
16. Mellai M, Allesina M, Benedetto E, Cascella F, Nobile V, Spina A, et al. A randomized, double-blind, placebo-controlled trial: Efficacy of opuntia ficus-indica prebiotic supplementation in subjects with gut dysbiosis. *Nutrients* 2024;16:586. <https://doi.org/10.3390/nu16050586>.
17. Rago V, Bossio S, **Lofaro D**, Perri A, Di Agostino S. New insights into the link between SARS-CoV-2 infection and renal cancer. *Life (Basel)* 2024;14:52. <https://doi.org/10.3390/life14010052>.
18. Ferrisi S, Zangara G, Izquierdo DR, **Lofaro D**, Guido R, Conforti D, et al. Tool condition monitoring for milling process using convolutional neural networks. *Procedia Comput Sci* 2024;232:1607–16.
19. La Russa A, **Lofaro D**, Montesanto A, La Russa D, Zaza G, Granata S, et al. Association between NLRP3 rs10754558 and CARD8 rs2043211 variants and susceptibility to chronic kidney disease. *Int J Mol Sci* 2023;24. <https://doi.org/10.3390/ijms24044184>.
20. Carullo G, Spizzirri UG, Malivindi R, Rago V, Motta MF, **Lofaro D**, et al. Development of quercetin-DHA ester-based pectin conjugates as new functional supplement: Effects on cell viability and migration. *Nutraceuticals (Basel)* 2022;2:278–88. <https://doi.org/10.3390/nutraceuticals2040021>.
21. Perri A, **Lofaro D**, Bossio S, Maltese L, Casaburi I, Tucci L, et al. Different expression patterns of metabolic reprogramming proteins in testicular germ cell cancer. *Endocrines* 2022;3:578–89. <https://doi.org/10.3390/endocrines3040049>.
22. Perri A, **Lofaro D**, Iuliano S, Bossio S, Rago V, Damiano R, et al. Effects of one-shot hyaluronic acid injection in lifelong premature ejaculation: A pilot study. *Endocrines* 2022;3:538–44. <https://doi.org/10.3390/endocrines3030044>.
23. Lupinacci S, Perri A, Toteda G, Vizza D, **Lofaro D**, Pontrelli P, et al. Rapamycin promotes autophagy cell death of kaposi's sarcoma cells through P75NTR activation. *Exp Dermatol* 2022;31. <https://doi.org/10.1111/exd.14438>.
24. Perri A, **Lofaro D**, La Russa A, Lupinacci S, Toteda G, Curti A, et al. Proinflammatory profile of visceral adipose tissue and oxidative stress in severe obese patients carrying the variant rs4612666 c of NLRP3 gene. *Minerva Endocrinol (Torino)* 2021;46. <https://doi.org/10.23736/S2724-6507.21.03460-X>.
25. Perri A, Rago V, Malivindi R, Maltese L, **Lofaro D**, Greco EA, et al. Overexpression of p75NTR in human seminoma: A new biomarker? *Life (Basel)* 2021;11. <https://doi.org/10.3390/life11070632>.
26. Leto E, **Lofaro D**, Lucca LF, Ursino M, Rogano S, Scola P, et al. External validation and calibration of the decapret prediction model for decannulation in patients with acquired brain injury. *Brain Sci* 2021;11. <https://doi.org/10.3390/brainsci11060799>.
27. Lucca LF, **Lofaro D**, Leto E, Ursino M, Rogano S, Pileggi A, et al. The impact of medical complications in predicting the rehabilitation outcome of patients with disorders of consciousness after severe traumatic brain injury. *Front Hum Neurosci* 2020;14. <https://doi.org/10.3389/fnhum.2020.570544>.
28. Santoro D, La Russa A, Toteda G, Perri A, Vizza D, Lupinacci S, et al. Identification of a new complement factor h mutation in a patient with pregnancy-related acute kidney injury. *Kidney Int Rep* 2020;5. <https://doi.org/10.1016/j.ekir.2020.06.028>.
29. Caparello G, Galluccio A, Giordano C, **Lofaro D**, Barone I, Morelli C, et al. Adherence to the mediterranean diet pattern among university staff: A cross-sectional web-based epidemiological study in southern italy. *Int J Food Sci Nutr* 2020;71. <https://doi.org/10.1080/09637486.2019.1686753>.

30. Perri A, Izzo G, **Lofaro D**, La Vignera S, Brunetti A, Calogero AE, et al. Erectile dysfunction after kidney transplantation. *J Clin Med* 2020;9. <https://doi.org/10.3390/jcm9061991>.
31. Perri A, **Lofaro D**, Izzo G, Aquino B, Bitonti M, Ciambrone G, et al. The risky health behaviours of male adolescents in the southern italian region: Implications for sexual and reproductive disease. *J Clin Med* 2019;8. <https://doi.org/10.3390/jcm8091414>.
32. Lucca LF, **Lofaro D**, Pignolo L, Leto E, Ursino M, Cortese MD, et al. Outcome prediction in disorders of consciousness: The role of coma recovery scale revised. *BMC Neurol* 2019;19. <https://doi.org/10.1186/s12883-019-1293-7>.
33. Lupinacci S, Perri A, Toteda G, Vizza D, Puoci F, Parisi OI, et al. Olive leaf extract counteracts epithelial to mesenchymal transition process induced by peritoneal dialysis, through the inhibition of TGF $\beta$ 1 signaling. *Cell Biol Toxicol* 2019;35. <https://doi.org/10.1007/s10565-018-9438-9>.
34. Vizza D, Lupinacci S, Toteda G, Puoci F, Parisi OI, De Bartolo A, et al. An olive leaf extract rich in polyphenols promotes apoptosis in cervical cancer cells by upregulating p21Cip1/WAF1 gene expression. *Nutr Cancer* 2019;71. <https://doi.org/10.1080/01635581.2018.1559934>.
35. Leone F, Gigliotti P, La Russa A, **Lofaro D**, Perri A, Vizza D, et al. NFKB1 promoter polymorphism: A new predictive marker of cytomegalovirus infection after kidney transplantation. *Transpl Infect Dis* 2019;21. <https://doi.org/10.1111/tid.13027>.
36. Toteda G, Vizza D, Lupinacci S, Perri A, Scalise MF, Indiveri C, et al. Olive leaf extract counteracts cell proliferation and cyst growth in an: In vitro model of autosomal dominant polycystic kidney disease. *Food Funct* 2018;9. <https://doi.org/10.1039/c8fo01481g>.
37. **Lofaro D**, Perri A, Aversa A, Aquino B, Bonofiglio M, La Russa A, et al. Testosterone in renal transplant patients: Effect on body composition and clinical parameters. *J Nephrol* 2018;31. <https://doi.org/10.1007/s40620-018-0513-3>.
38. Vizza D, Perri A, Toteda G, Lupinacci S, Perrotta I, **Lofaro D**, et al. Rapamycin-induced autophagy protects proximal tubular renal cells against proteinuric damage through the transcriptional activation of the nerve growth factor receptor NGFR. *Autophagy* 2018;14. <https://doi.org/10.1080/15548627.2018.1448740>.
39. Cerasa A, **Lofaro D**, Cavedini P, Martino I, Bruni A, Sarica A, et al. Personality biomarkers of pathological gambling: A machine learning study. *J Neurosci Meth* 2018;294. <https://doi.org/10.1016/j.jneumeth.2017.10.023>.
40. Lupinacci S, Toteda G, Vizza D, Perri A, Benincasa C, Mollica A, et al. Active compounds extracted from extra virgin olive oil counteract mesothelial-to-mesenchymal transition of peritoneal mesothelium cells exposed to conventional peritoneal dialysate: In vitro and in vivo evidences. *J Nephrol* 2017;30. <https://doi.org/10.1007/s40620-016-0368-4>.
41. Toteda G, Lupinacci S, Vizza D, Bonofiglio R, Perri E, Bonofiglio M, et al. High doses of hydroxytyrosol induce apoptosis in papillary and follicular thyroid cancer cells. *J Endocrinol Invest* 2017;40. <https://doi.org/10.1007/s40618-016-0537-2>.
42. Bonofiglio D, Catalano S, Perri A, Santoro M, Siciliano L, **Lofaro D**, et al. Monitoring the effects of iodine prophylaxis in the adult population of southern italy with deficient and sufficient iodine intake levels: A cross-sectional, epidemiological study. *Brit J Nutr* 2017;117. <https://doi.org/10.1017/S0007114516004499>.
43. Coppo R, **Lofaro D**, Camilla RR, Bellur S, Cattran D, Cook HT, et al. Risk factors for progression in children and young adults with IgA nephropathy: An analysis of 261 cases from the VALIGA european cohort. *Pediatr Nephrol* 2017;32. <https://doi.org/10.1007/s00467-016-3469-3>.
44. Gigliotti P, **Lofaro D**, Leone F, Papalia T, Senatore M, Greco R, et al. Early subclinical rejection treated with low dose i.v. Steroids is not associated to graft survival impairment: 13-years' experience at a single center. *J Nephrol* 2016;29. <https://doi.org/10.1007/s40620-015-0206-0>.
45. Perri A, Vizza D, Lupinacci S, Toteda G, De Amicis F, Leone F, et al. Adiponectin secreted by tubular renal cells during LPS exposure worsens the cellular inflammatory damage. *J Nephrol* 2016;29. <https://doi.org/10.1007/s40620-015-0220-2>.
46. Leone F, Gigliotti P, Mauro MV, **Lofaro D**, Greco F, Tenuta R, et al. Early cytomegalovirus-specific t-cell response and estimated glomerular filtration rate identify patients at high risk of infection after renal transplantation. *Transpl Infect Dis* 2016;18. <https://doi.org/10.1111/tid.12509>.
47. **Lofaro D**, Jager KJ, Abu-Hanna A, Groothoff JW, Arikoski P, Hoecker B, et al. Identification of subgroups by risk of graft failure after paediatric renal transplantation: Application of survival tree models on the ESPN/ERA-EDTA registry. *Nephrol Dial Transpl* 2016;31. <https://doi.org/10.1093/ndt/gfv313>.
48. **Lofaro D**, Vogelzang JL, van Stralen KJ, Jager KJ, Groothoff JW. Infection-related hospitalizations over 30 years of follow-up in patients starting renal replacement therapy at pediatric age. *Pediatr Nephrol* 2016;31. <https://doi.org/10.1007/s00467-015-3209-0>.

49. Lattanzio F, Corsonello A, Montesanto A, Abbatecola AM, Lofaro D, Passarino G, et al. Disentangling the impact of chronic kidney disease, anemia, and mobility limitation on mortality in older patients discharged from hospital. *J Gerontol A Biol Sci Med Sci* 2015;70:1120–7. <https://doi.org/10.1093/gerona/glv068>.
50. Vizza D, Perri A, Toteda G, Lupinacci S, Leone F, Gigliotti P, et al. Nerve growth factor exposure promotes tubular epithelial-mesenchymal transition via TGF- $\beta$  1 signaling activation. *Growth Factors* 2015;33. <https://doi.org/10.3109/08977194.2015.1054989>.
51. Leone F, Lofaro D, Gigliotti P, Perri A, Vizza D, Toteda G, et al. Soluble klotho levels in adult renal transplant recipients are modulated by recombinant human erythropoietin. *J Nephrol* 2014;27. <https://doi.org/10.1007/s40620-014-0089-5>.
52. Vizza D, Perri A, Lofaro D, Toteda G, Lupinacci S, Leone F, et al. Exposure to nerve growth factor worsens nephrotoxic effect induced by cyclosporine a in HK-2 cells. *PLoS One* 2013;8. <https://doi.org/10.1371/journal.pone.0080113>.
53. Papalia T, Greco R, Lofaro D, Mollica A, Roberti R, Bonofiglio R. Anthropometric measures can better predict high blood pressure in adolescents. *J Nephrol* 2013;26. <https://doi.org/10.5301/jn.5000235>.
54. Gigliotti P, Lofaro D, Leone F, Perri A, Vizza D, Papalia T, et al. High nerve growth factor blood concentration in renal transplantation: A new prognostic marker? *Transplant Proc* 2013;45. <https://doi.org/10.1016/j.transproceed.2013.07.020>.
55. Perri A, Vizza D, Lofaro D, Gigliotti P, Leone F, Brunelli E, et al. Adiponectin is expressed and secreted by renal tubular epithelial cells. *J Nephrol* 2013;26. <https://doi.org/10.5301/jn.5000269>.
56. Senatore M, Coppolino G, Papalia T, Greco R, Lofaro D, Bonofiglio R. Does concomitant administration of sevelamer hydrochloride and lanthanum carbonate modify the control of phosphatemia? *Eur Rev Med Pharmacol Sci* 2011;15.
57. Bonofiglio R, Lofaro D, Greco R, Senatore M, Papalia T. Proteinuria is a predictor of posttransplant anemia. *Transplant Proc* 2011;43. <https://doi.org/10.1016/j.transproceed.2011.01.125>.
58. Papalia T, Greco R, Lofaro D, Mollica A, Bonofiglio R. Thyroid status and kidney transplantation outcomes. *Transplant Proc* 2011;43. <https://doi.org/10.1016/j.transproceed.2011.01.126>.
59. Lofaro D, Greco R, Papalia T, Bonofiglio R. Increasing levels of hemoglobin improve renal transplantation outcomes. *Transplant Proc* 2011;43. <https://doi.org/10.1016/j.transproceed.2011.01.127>.
60. Papalia T, Greco R, Lofaro D, Maestripieri S, Mancuso D, Bonofiglio R. Impact of body mass index on graft loss in normal and overweight patients: Retrospective analysis of 206 renal transplants. *Clin Transplant* 2010;24. <https://doi.org/10.1111/j.1399-0012.2010.01258.x>.
61. Papalia T, Greco R, Lofaro D, Maestripieri S, Mancuso D, Bonofiglio R. Impact of continuous value of body mass index on graft loss in overweight patients. *Transplant Proc* 2010;42. <https://doi.org/10.1016/j.transproceed.2010.03.049>.
62. Lofaro D, Maestripieri S, Greco R, Papalia T, Mancuso D, Conforti D, et al. Prediction of chronic allograft nephropathy using classification trees. *Transplant Proc* 2010;42. <https://doi.org/10.1016/j.transproceed.2010.03.062>.
63. Greco R, Papalia T, Lofaro D, Maestripieri S, Mancuso D, Bonofiglio R. Decisional trees in renal transplant follow-up. *Transplant Proc* 2010;42. <https://doi.org/10.1016/j.transproceed.2010.03.061>.

## Conference Proceedings

1. Chianello A, Delfino A, Lofaro D, Guzzi PH, Veltri P, Di Dio M, et al. A novel solution for the integration and management of clinical data in surgery procedure. *2025 IEEE 13th international conference on healthcare informatics (ICHI)*, IEEE; 2025, p. 675–6. <https://doi.org/10.1109/ICHI64645.2025.00094>.
2. Lofaro D, Armentaro G, Vizza P, Veltri P, Sciacqua A, Conforti D. Prediction of atrial fibrillation 10-year risk with optimal survival tree models. *XIII congresso nazionale SISMEC*, 2025. <https://doi.org/10.54103/2282-0930/29402>.
3. Lofaro D, Vizza P, Tradigo G, Guido R, Armentaro G, Sciacqua A, et al. Using optimal survival tree model for AF event-free survival time prediction. *Intelligent health systems—from technology to data and knowledge*, IOS Press; 2025, p. 148–52. <https://doi.org/10.3233/SHTI250291>.
4. Lofaro D, Conforti D. Stroke 5.0: A technology ecosystem to support acute stroke integrated clinical management. *Proceedings of pHealth 2024*, IOS Press; 2024, p. 58–62. <https://doi.org/10.3233/SHTI250291>.
5. Lettere M, Guerri D, La Manna S, Groccia MC, Lofaro D, Conforti D. HeartDrive: A broader concept of interoperability to implement care processes for heart failure. *MIE* 2016, vol. 224, 2016. <https://doi.org/10.3233/978-1-61499-653-8-158>.

6. **Lofaro D**, Groccia MC, Guido R, Conforti D, Caroleo S, Fragomeni G. Machine learning approaches for supporting patient-specific cardiac rehabilitation programs. *Computing in cardiology 2016*, vol. 43, 2016. <https://doi.org/10.22489/cinc.2016.047-209>.
7. Groccia MC, **Lofaro D**, Guido R, Conforti D, Sciacqua A. Predictive models for risk assessment of worsening events in chronic heart failure patients. *Computing in cardiology 2018*, vol. 2018-Septe, 2018. <https://doi.org/10.22489/CinC.2018.249>.

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### Invited Talks and Conference Presentations

- **Invited Speaker** – 24th National Congress of S.I.S.S., Catania, Italy, 13–15 November 2025 *Stroke 5: An Integrated Organizational Model*
- **Speaker** – 13th SISMEC National Congress, Pavia, Italy, 9–12 September 2025 *Prediction of 10-Year Atrial Fibrillation Risk Using Optimal Survival Tree Models*
- **Speaker** – pHealth 2024: 20th International Conference on Personalised Health, Rende, Italy, 27–28 May 2024 *Stroke 5.0: A Technology Ecosystem to Support Integrated Acute Stroke Management*
- **Speaker** – 57th SIN Congress, Milan, Italy, 14 October 2016 *Metabolomic Characterization of Peritoneal Dialysis Effluent by NMR Spectroscopy*
- **Speaker** – 51st ERA-EDTA Congress, Amsterdam, Netherlands, 2 June 2014 *The Burden of Infection-Related Hospitalizations in RRT Patients: A 30-Year Follow-up Analysis*
- **Speaker** – 50th ERA-EDTA Congress, Istanbul, Turkey, 19 May 2013 *Identification of Subgroups at High Risk of Graft Failure After Paediatric Renal Transplantation*
- **Speaker** – 45th ESPN Congress, Kraków, Poland, 7 September 2012 *Identification of Subgroups at High Risk of Graft Failure After Paediatric Renal Transplantation*
- **Speaker** – 28th SINEPE Congress, Milan, Italy, 25 October 2012 *Identification of Subgroups at High Risk of Graft Failure After Paediatric Renal Transplantation*
- **Speaker** – 35th National Congress of SITO, Rome, Italy, 29 October 2011 *Predictive Factors of Post-Transplant Anemia Using Classification Trees*
- **Speaker** – 34th National Congress of SITO, Ancona, Italy, 8 November 2010 *Increasing Hemoglobin Levels Improve Renal Transplant Outcomes*
- **Speaker** – 33rd National Congress of SITO, Milan, Italy, 12 December 2009 *Early Prediction of Chronic Allograft Nephropathy Using Decision Trees*

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### Awards and Honors

- **Best Abstract Award (Young Authors)** – 53rd ERA-EDTA Congress, Vienna, Austria, 21–24 May 2016 *Metabolomic Characterisation of Peritoneal Dialysis Effluent Using NMR Spectroscopy*
- **Best Abstract Award (Young Authors)** – 50th ERA-EDTA Congress, Istanbul, Turkey, 18–21 May 2013 *Identification of Subgroups at High Risk of Graft Failure after Paediatric Renal Transplantation*
- **ERA-EDTA Young Fellowship Programme (STF 21)** International competitive fellowship. Project: *Pediatric dialysis after transplantation in the ESPN/ERA-EDTA registry*  
*ESPN/ERA-EDTA Registry, Academic Medical Center, Amsterdam, Netherlands, Feb–Jul 2012*

## **Editorial Roles**

11/2025 – Associate Editor – *Frontiers in Medicine*

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