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Decreto Rettore Università di Roma “La Sapienza” n. 1579/2024 del 28/06/2024.

Daniele Gianfrilli  
Curriculum Vitae ai fini della pubblicazione

Place Rome

Date July 18<sup>th</sup> 2024

Part I – General Information

Full Name	Daniele Gianfrilli
Place of Birth	Rome
Citizenship	Italian
Spoken Languages	Italian, English

Part II – Education

Type	Year	Institution	Notes (Degree, Experience,...)
University graduation	2004	“Sapienza” University of Rome	Graduation in Medicine and Surgery 110/110 with honors Research Thesis titled “Interconnections between adipocytes and gonadal and adrenal steroid hormones: in vitro studies” Supervisor: Illustrious Professor Aldo Isidori
Post-graduate studies	2020	“Sapienza” University of Rome	Two-Year Training Program on Teaching Innovation
Post-graduate studies	2017	“Sapienza” University of Rome	Advanced Training Course in "Medical Pedagogy and Didactics"
PhD	2012	“Sapienza” University of Rome, Dpt. of Experimental Medicine	Ph.D in “Endocrinology, Andrology and Metabolism” Research Thesis titled: “Studies on Epidemiology, Information Strategies, Diagnosis, and Treatment of Juvenile Andrological Pathology” Supervisor: Illustrious Professor Andrea Isidori
Specialty	2009	“Sapienza” University of Rome, Dpt. of Experimental Medicine Coordinator Professor Andrea Lenzi	Post Graduation (Residency) in Endocrinology and Metabolic Disorders. Final mark 70/70 with honors

			Research Thesis titled: “Clinical and Biological Implications of Intratissue Metabolism of Steroid Hormones: From Adipose Tissue to Prostate” Supervisor: Illustrious Professor Vincenzo Bonifacio
Licensure 01	2005	“Ordine Provinciale di Roma dei Medici Chirurghi e degli Odontoiatri”	Registration to Italian’s Medical Board, position n. M54238 License to the Practice of Doctor

### Part III – Appointments

#### IIIA – Academic Appointments

Start	End	Institution	Position
15/02/2021	Present	“Sapienza” University of Rome Department of Experimental Medicine	Associate Professor in Endocrinology
14/12/2023	Present	“Sapienza” University of Rome Degree Course in Medicine and Surgery “A”	VICE-PRESIDENT
2023	Present	“Sapienza” University of Rome	LECTURER and COORDINATOR Applied Pathology III – Diseases of the Digestive System, Endocrine System and Metabolism Degree Course in Medicine and Surgery “HT”
15/11/2022	Present	“Sapienza” University of Rome	DIRECTOR of the Post Graduate (Residency) School of Specialization in Food Science and Nutrition
2017	Present	“Sapienza” University of Rome	LECTURER Research Doctorate in Endocrinology, Andrology and Metabolism
15/02/2017	14/02/2020	“Sapienza” University of Rome Department of Experimental Medicine	Researcher (L.240/10 type B) in Endocrinology (MED13)
2016	Present	“Sapienza” University of Rome	Academic Coordinator for Mobility (International and Erasmus Exchanges) - Degree Course in Medicine and Surgery “A”
2016	Present	“Sapienza” University of Rome	LECTURER Post Graduate Training (Residency) in

			Endocrinology, Andrology and Metabolism
2016	Present	“Sapienza” University of Rome Faculty of Pharmacy and Medicine	LECTURER Clinical Sciences Communication – Bachelor's Degree in Biomedical Scientific Communication
2016	2018	“Sapienza” University of Rome Faculty of Medicine and Dentistry	Academic Education Committee Member
2015	Present	“Sapienza” University of Rome	LECTURER Second-level (Post-graduate) Master's Degree in Andrology
01/02/2013	14/02/2017	“Sapienza” University of Rome Department of Experimental Medicine	Researcher (L.240/10 type A) in Endocrinology (MED13)
2013	Present	“Sapienza” University of Rome	LECTURER Applied Pathology V – Infectious Diseases and Reproductive Medicine Degree Course in Medicine and Surgery “E” – Degree Course in Medicine and Surgery “A”
2013	Present	“Sapienza” University of Rome	LECTURER Applied Pathology III – Diseases of the Digestive System, Endocrine System and Metabolism Degree Course in Medicine and Surgery “A”

### IIIB – Other Appointments

Start	End	Institution	Position
04/06/2024	Present	Ministry of University and Research	Representative on the Presidential Committee of the National Observatory for Health Professions
19/06/2024	Present	Italian Society for Gender, Identity, and Health (SIGIS)	Coordinator of the Committee for Relations with Other Scientific Societies and Institutions.
24/04/2024	Present	Italian Society of Embriology, Reproduction and Research (SIERR)	Member of Scientific Committee
2023	Present	Italian Society of Endocrinology (S.I.E.)	Member of the Drugs Committee
12/02/2021	Present	Ministry of University and Research	Board Member for Area 06 Medical Sciences and SECRETARY GENERAL OF THE NATIONAL UNIVERSITY COUNCIL (CUN)
05/01/2023	Present	Endocrine – Springer Nature Group	Editorial board member - Associate Editor
08/06/2022	Present	Italian Society of Andrology and Sexual Medicine (S.I.A.M.S.)	Coordinator of the “Prevention and Territory” committee

18/01/2022	Present	United Nations Educational, Scientific and Cultural Organization UNESCO	Chair group leader of UNESCO Chair on "Urban Health - education and research for improved health and wellbeing in the cities", Department of Experimental Medicine "Sapienza" University of Roma.
2021	Present	Springer Nature, 2021	Editor for “PEDIATRIC AND ADOLESCENT ANDROLOGY” Volume of the book series: Trends in Andrology and Sexual Medicine (TASM)
2020	Present	Policlinico Umberto I of Rome U.O.C. SMIC08 Endocrinology, Metabolic Diseases and Andrology Unit	Senior Physician
2020	Present	Policlinico Umberto I of Rome Integrated Activity Departments (DAI) of Internal Medicine, Endocrine-Metabolic Sciences and Infectious Diseases	Elected Member of the Integrated Activity Departments (DAI) Board
11/09/2019	Present	Italian Medicines Agency (AIFA)	Member of the Support and Coordination Secretariat for the Pre-Authorization Area
2019	2023	Italian Society of Endocrinology (S.I.E.)	TREASURER and Member of Executive Council
2016	2018	Italian Ministry of Health and Italian Ministry of University and Research	Member of the Interministerial Working Group on Education in Emotional, Sexual, and Fertility Education in Schools
2016	2017	Italian Ministry of Health	Member of the Scientific Committee on Sexual and Reproductive Health
2016	2020	Italian Society of Endocrinology (S.I.E.)	Member of the Editorial Board for the “Week Endo” issue – Published on the “L’Endocrinologo” journal.
2015	Present	“L’Endocrinologo” – Springer	Editorial Board member
2014	Present	Italian Ministry University and Research	Member of the Scientific Committee on Food Education “Cibo a Scuola” (“Food at School”)
2014	2018	Italian Society of Andrology and Sexual Medicine (S.I.A.M.S.)	Member of Scientific Committee
2013	2017	Italian Society of Endocrinology (S.I.E.)	Member of the Scientific Update Committee

## Part IV – Teaching experience

Year	Institution	Lecture/Course
2023 – Present	“Sapienza” University of Rome	Applied Pathology III – Diseases of the Digestive System, Endocrine System and Metabolism - Degree Course in Medicine and Surgery “HT”
2017 - Present	“Sapienza” University of Rome	Research Doctorate in Endocrinology, Andrology and Metabolism
2016 - Present	“Sapienza” University of Rome	Post Graduate Training (Residency) in Endocrinology, Andrology and Metabolism
2015 – Present	“Sapienza” University of Rome	Second-level (Post-graduate) Master’s Degree in Andrology
2013 - Present	“Sapienza” University of Rome	Applied Pathology V – Infectious Diseases and Reproductive Medicine - Degree Course in Medicine and Surgery “E”
2013 - Present	“Sapienza” University of Rome	Applied Pathology V – Infectious Diseases and Reproductive Medicine - Degree Course in Medicine and Surgery “A”
2013 - Present	“Sapienza” University of Rome	Applied Pathology III – Diseases of the Digestive System, Endocrine System and Metabolism - Degree Course in Medicine and Surgery “A”

## Part V - Society memberships, Awards and Honors

Year	Title
2020	Andrology Award for the best paper published in 2019 European Academy of Andrology
2019	Premio Fondazione Foresta Onlus for biomedical research
2012	Best Oral Communication Prize in Andrology II FISSR “Federazione Italiana delle Società Scientifiche della Riproduzione” Congress, Riccione Italy
2010	Travel Grants 14th International Congress of Endocrinology “ICE 2010”, Kyoto Japan
2009	“Premio Marrama” – best researcher in endocrinology younger than 32 XXXIII SIE “Società Italiana di Endocrinologia” Congress, Sorrento Italy
-	Membership - Italian Society of Endocrinology (S.I.E.)
-	Membership - Italian Society of Andrology and Sexual Medicine (S.I.A.M.S.)
-	Membership – Italian Society of Embriology, Reproduction and Research (S.I.E.R.R.)
-	Membership – European Academy of Andrology (E.A.A.)
-	Membership – Italian Society for Gender, Identity, and Health (S.I.G.I.S.)

## Part VI - Funding Information [grants as PI-principal investigator or I-investigator]

Year	Title	Program	
2023	Principal Investigator - "Age - it - a novel publicprivate alliance to generate socioeconomic, biomedical and technological solutions for an inclusive italian ageing society" – Spoke 3, PE08	National Plan for Recovery and Resilience	
2022	Head of Unit - “Prevention of HPV and Other Sexually Transmitted Infections: Education in Lower and Upper Secondary Schools and Support for the Network of Reference Figures for Youth”	Program of the National Center for Disease Prevention and Control (CCM) - Italian Ministry of Health	
2022	Principal Investigator - “The endocrine, vascular and sexual crosstalk in people living with HIV (PLWH): exploratory trial on the role of phosphodiesterase 5 inhibitors”	PRIN 2022 Ministry of University and Research	
2019	Principal Investigator - "IN Search of early clinical and molecular Predictors of diagnosis and treatment response In patients with Rare Endocrine disorders: retrospective analysis on large healthcare e database network and translational cohort studies the INSPIRE project"	PRIN 2017 Ministry of University and Research	
2018	Head of Unit - “Territorial Services and Sexual and Reproductive Health of Youth: Analysis of the Activities of Family Counseling Centers and Proposal for a Territorial Network Model. CUPIDO Project (Family Counseling and Prevention of Youth Infertility)”	Program of the National Center for Disease Prevention and Control (CCM) - Italian Ministry of Health	
2016	Principal Investigator – “Evaluation of biopsychosocial factors and establishment of integrated medical and psychosexological intervention protocols for ejaculatory disorders in early adulthood.”	Bando Ateneo – “Sapienza” University of Rome	
2015	Head of Unit – “National Fertility Study”	Program of the National Center for Disease Prevention and Control (CCM) - Italian Ministry of Health	

2014	Head of Unit – Multidisciplinary Projects “Life Styles And Urban Enhancement In Health Prevention”	Bando Ateneo – “Sapienza” University of Rome	
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## Part VII – Research Activities

Keywords	Brief Description
Andrology	Professor Daniele Gianfrilli is a distinguished researcher and academic specializing in endocrinology and andrology. His scientific contributions span hormonal metabolism, sexual and reproductive health, and the prevention and treatment of related disorders. His research delves into PDE5 pathways and their implications for cardiovascular health and metabolic conditions, as well as hypogonadism and other andrological conditions such as Klinefelter syndrome and testicular tumors. Additionally, his work includes imaging studies of the testicles and thyroid, and the development of new diagnostic tools in endocrinology and andrology.
Hypogonadism	
Steroid hormones	
PDE5i	
Testosterone	

## Part VIII – Summary of Scientific Achievements

Product type	Number	Data Base	Start	End
Papers [international]	128	Scopus	2004	2024
Papers [national]				
Books [scientific]	2			
Books [teaching]	2			

Total Impact factor	563
Average Impact Factor	4.4
Total Citations	4291
Average Citations per Product	33
Hirsch (H) index	36

## Part IX– Selected Publications

List of the publications selected for the evaluation.

1. Molecular study of the presence and transcriptional activity of HPV in semen. Faja, F., Pallotti, F., Bianchini, S., Buonacquisti, A., Cicolani, G., Conflitti, A. C., Fracella, M., Cavallari, E. N., Sciarra, F., Pierangeli, A., Paoli, D., Lenzi, A., Antonelli, G., Lombardo, F., & **Gianfrilli, D.** Journal of endocrinological investigation 2024, 47(3), 557–570. IF 3,9. Citations: 1
2. Total osteocalcin levels are independently associated with worse testicular function and a higher degree of hypothalamic–pituitary–gonadal axis activation in Klinefelter syndrome. Carlomagno, F., Hasenmajer, V., Spaziani, M., Tenuta, M., Sesti, F., Tarantino, C., Pozza, C., Isidori, A. M., & **Gianfrilli, D.** Journal of endocrinological investigation 2024, 10.1007/s40618-024-02390-7. Advance online publication. IF: 3,9. Citations: 0
3. New perspectives in functional hypogonadotropic hypogonadism: beyond late onset hypogonadism. Spaziani, M., Carlomagno, F., Tarantino, C., Angelini, F., Vincenzi, L., **Gianfrilli, D.** Frontiers in endocrinology 2023, 14, 1184530. IF: 3,9. Citations: 7
4. Altered Thyroid Feedback Loop in Klinefelter Syndrome: From Infancy Through the Transition to Adulthood. Carlomagno, F., Minnetti, M., Angelini, F., Pofi, R., Sbardella, E., Spaziani, M., Aureli,

- A., Anzuini, A., Paparella, R., Tarani, L., Porcelli, T., De Stefano, M. A., Pozza, C., **Gianfrilli, D.**, & Isidori, A. M. The Journal of clinical endocrinology and metabolism 2023, 108(11), e1329–e1340. IF: 5. Citations: 2
5. Testicular Dysfunction in 47,XXY Boys: When It All Begins. A Semilongitudinal Study. Pozza, C., Sesti, F., Tenuta, M., Spaziani, M., Tarantino, C., Carlomagno, F., Minnetti, M., Pofi, R., Paparella, R., Lenzi, A., Radicioni, A., Isidori, A. M., Tarani, L., & **Gianfrilli, D.** The Journal of clinical endocrinology and metabolism 2023, IF: 5. Citations: 3
6. The effects of non-andrological medications on erectile dysfunction: a large single-center retrospective study. Mazzilli, R., Zamponi, V., Mangini, F., Olana, S., Defeudis, G., Faggiano, A., & **Gianfrilli, D.** Journal of endocrinological investigation 2023, 46(7), 1465–1473. IF: 3,9. Citations: 1
7. Erectile dysfunction and diabetes: A melting pot of circumstances and treatments. Defeudis, G., Mazzilli, R., Tenuta, M., Rossini, G., Zamponi, V., Olana, S., Faggiano, A., Pozzilli, P., Isidori, A.M., **Gianfrilli, D.** Diabetes/Metabolism Research and Reviews 2022, 38 (2), art. no. e3494. IF: 8. Citations: 80
8. Sex-specific effects of daily tadalafil on diabetic heart kinetics in RECOGITO, a randomized, double-blind, placebo-controlled trial. Pofi R., Giannetta E., Feola T., Galea N., Barbagallo F., Campolo F., Badagliacca R., Barbano B., Ciolina F., Defeudis G., Filardi T., Sesti F., Minnetti M., Vizza C.D., Pasqualetti P., Caboni P., Carbone I., Francone M., Catalano C., Pozzilli P., Lenzi A., Venneri M.A., **Gianfrilli D.**, Isidori A.M. Science Translational Medicine 2022, 14(649), eab18503. IF: 17,1. Citations: 26
9. Diabetic Cardiomyopathy Progression is Triggered by miR122-5p and Involves Extracellular Matrix: A 5-Year Prospective Study. Pofi, R., Giannetta, E., Galea, N., Francone, M., Campolo, F., Barbagallo, F., **Gianfrilli, D.**, Venneri, M.A., Filardi, T., Cristini, C., Antonini, G., Badagliacca, R., Frati, G., Lenzi, A., Carbone, I., Isidori, A.M. JACC: Cardiovascular Imaging 2021, 14 (6), pp. 1130-1142. IF: 16,1. Citations: 84
10. Somatotrophic-Testicular Axis: A crosstalk between GH/IGF-I and gonadal hormones during development, transition, and adult age. Tenuta, M., Carlomagno, F., Cangiano, B., Kanakis, G., Pozza, C., Sbardella, E., Isidori, A.M., Krausz, C., **Gianfrilli, D.** Andrology 2021, 9 (1), pp. 168-184. IF: 4,5. Citations: 28
11. Testicular ultrasound score: A new proposal for a scoring system to predict testicular function. Pozza, C., Kanakis, G., Carlomagno, F., Lemma, A., Pofi, R., Tenuta, M., Minnetti, M., Tarsitano, M.G., Sesti, F., Paoli, D., Anzuini, A., Lenzi, A., Isidori, A.M., **Gianfrilli, D.** Andrology 2020, 8 (5), pp. 1051-1063. IF: 3,8. Citations: 22
12. Predictors of malignancy in high-risk indeterminate (TIR3B) cytopathology thyroid nodules. Cozzolino, A., Pozza, C., Pofi, R., Sbardella, E., Faggiano, A., Isidori, A.M., Giannetta, E., Pernazza, A., Rullo, E., Ascoli, V., Lenzi, A., **Gianfrilli, D.** Journal of Endocrinological Investigation 2020, 43 (8), pp. 1115-1123. IF: 4,3. Citations: 12
13. Clinical presentation, management and follow-up of 83 patients with Leydig cell tumors of the testis: A prospective case-cohort study. Pozza, C., Pofi, R., Tenuta, M., Tarsitano, M.G., Sbardella, E., Fattorini, G., Cantisani, V., Lenzi, A., Isidori, A.M., **Gianfrilli, D.** Human Reproduction 2019, 34 (8), pp. 1389-1403. IF: 5,7. Citations: 44
14. Effect of once-daily, modified-release hydrocortisone versus standard glucocorticoid therapy on metabolism and innate immunity in patients with adrenal insufficiency (DREAM): a single-blind, randomised controlled trial. Isidori, A.M., Venneri, M.A., Graziadio, C., Simeoli, C., Fiore, D., Hasenmajer, V., Sbardella, E., **Gianfrilli, D.**, Pozza, C., Pasqualetti, P., Morrone, S., Santoni, A., Naro, F., Colao, A., Pivonello, R., Lenzi, A. The Lancet Diabetes and Endocrinology 2018, 6 (3), pp. 173-185. IF: 24,5. Citations: 158
15. PDE5 inhibition ameliorates visceral adiposity targeting the miR-22/SIRT1 pathway: Evidence from the CECSID trial. Fiore, D., **Gianfrilli, D.**, Giannetta, E., Galea, N., Panio, G., Di Dato, C., Pofi, R., Pozza, C., Sbardella, E., Carbone, I., Naro, F., Lenzi, A., Venneri, M.A., Isidori, A.M. Journal of Clinical Endocrinology and Metabolism 2016, 101 (4), pp. 1525-1534. IF: 5,5. Citations: 44
16. Differential diagnosis of nonpalpable testicular lesions: Qualitative and quantitative contrast-enhanced US of benign and malignant testicular tumors. Isidori, A.M., Pozza, C., **Gianfrilli, D.**, Giannetta, E., Lemma, A., Pofi, R., Barbagallo, F., Manganaro, L., Martino, G., Lombardo, F., Cantisani, V., Franco, G., Lenzi, A. Radiology 2014, 273 (2), pp. 606-618. IF: 6,9. Citations: 102

Roma, 18/07/2024

Daniele Gianfrilli