

Curriculum Vitae del Prof. Giovanni Chillemi

Indirizzi di lavoro:

Dipartimento di Medicina Sperimentale - Università degli Studi di Roma "Tor Vergata", Via Montpellier 1 – 00133 Roma; e-mail: chillemi@med.uniroma2.it

Istituto Nazionale per le Malattie Infettive INMI "Lazzaro Spallanzani", Via Portuense, 292, 00149 Roma; e-mail: giovanni.chillemi@inmi.it

Istruzione

26 Ottobre 2004 Dottorato di ricerca quadriennale (XV ciclo) in "Biochimica e Biologia Molecolare", presso i Dipartimenti di Medicina Sperimentale e Scienze Biochimiche dell'Università degli studi di Roma "Tor Vergata"; titolo della tesi "Studio dei Meccanismi di Riconoscimento Strutturali e Funzionali del complesso DNA-Topoisomerasi I umana".

Febbraio 1992: Laurea in Ingegneria Chimica (110/110) Università di Roma "La Sapienza".

Esperienze professionali

Dal Novembre 2024, il Prof. Giovanni Chillemi è Professore Associato di Genetica Veterinaria (AGRI-09a, ex AGR/17), vice coordinatore del Corso in Medicina Veterinaria, presso il Dipartimento di Medicina Sperimentale dell'Università di Roma Tor Vergata.

Da Gennaio 2025 fa parte della piattaforma congiunta di ricerca tra l'Università di Roma Tor Vergata e l'Istituto Nazionale per le Malattie Infettive INMI "Lazzaro Spallanzani", con il ruolo di referente dell'U.O. di Ricerca di Bioinformatica delle malattie da infezione.

Dal 2018 al 2024 è stato Professore Associato di Zootecnica Generale e Miglioramento Genetico (AGR/17) presso il Dipartimento per l'Innovazione nei Sistemi Biologici, Agroalimentari e Forestali (DIBAF) dell'Università degli Studi della Tuscia.

Dal 1997 al 2018 ha lavorato in centri di Supercalcolo, prima CASPUR e poi Cineca, dove ha applicato strumenti HPC di biologia computazionale a diverse problematiche biologiche, dalla salute umana alla genomica animale, alla caratterizzazione di patogeni, con un approccio multidisciplinare One Health, testimoniato dall'ottenimento di tre Abilitazioni Scientifiche Nazionali (ASN) come Professore Ordinario nei settori concorsuali 07/G1 – Scienze e Tecnologie Animali (scadenza 18/11/2031), 05/E1 - Biochimica Generale (scadenza 13/01/2031) e 05/E2 - Biologia Molecolare (scadenza 10/01/2031).

Incarichi istituzionali

Dal 2018 al 2024 è stato Delegato del rettore dell'Università degli Studi della Tuscia nell'Assemblea Generale della JRU ELIXIR-IIB, nodo italiano dell'Infrastruttura Europea ELIXIR – Distributed Infrastructure for Biological Data

Partecipazione a Collegi di Docenti per scuole di dottorato di ricerca.

Dal 2025 è Membro del Collegio di Docenti per la scuola di dottorato in "Biochimica e Biologia Molecolare", Dipartimento di Medicina Sperimentale dell'Università di Roma Tor Vergata

Dal 2019 al 2025 è stato Membro del Collegio di Docenti per la scuola di dottorato in "Scienze, Tecnologie e Biotecnologie per la Sostenibilità", DIBAF, Università della Tuscia

Attività didattica

Docente degli insegnamenti di “Genetica Veterinaria” e, per l’a.a. 2025/26, “Nutrizione e Alimentazione Animale” nel Corso in Medicina Veterinaria, Università di Roma Tor Vergata. È stato docente dei seguenti insegnamenti presso l’Università degli Studi della Tuscia: “Bioinformatica per la genomica”, 6 CFU; Corso di laurea: DIBAF “Biotecnologie” (L2); “Fisiologia e Miglioramento genetico degli animali allevati” e “Laboratorio di Miglioramento genetico”, 8 CFU, Corso di laurea: DAFNE “Tecnologie per la gestione sostenibile dei sistemi zootecnici” (L-P02); “Strumenti Bioinformatici per la Genomica”, 6 CFU, Corso di laurea: DIBAF “Biotecnologie” (L2); “Zootecnia e Produzioni animali”, 6 CFU, Corso di laurea: DIBAF “Tecnologie Alimentari ed Enologiche” (L-26); “Tecniche genetiche e molecolari per il miglioramento della qualità delle produzioni animali”, 6 CFU, Corso di laurea interateneo con Università di Roma Sapienza “Scienze e Tecnologie Alimentari” (LM 70); "Python for computational sciences", 3 CFU, dottorato dell’Università degli Studi della Tuscia in “Scienze, tecnologie e biotecnologie per la Sostenibilità”

Partecipazione e gestione di progetti di ricerca, nazionali e internazionali

<i>Periodo</i>	<i>Ruolo</i>	<i>Nome progetto</i>
2023-2025	Principal Investigator	PRIN22 “Equine resilience and welfare in Climate change and stressful scenarios using Omic technologies and innovative low cost Sensors – ECOS”. Unitus. Altre due unità operative sono presso le Università degli Studi di Catania e Perugia.
2022-2025	WP leader del WP5.1 “Data recording, management and modeling”	Centro Nazionale PNRR Agritech https://agritechcenter.it/ Spoke 5 Sustainable productivity and mitigation of environmental impact in livestock systems. Nel CN il Prof. G. Chillemi svolge anche il ruolo di Responsabile unità scientifica Unitus nei Task 5.2.2 “Testing of resistant and resilient animals” e 5.3.2 “Testing of less emitting animals”
2024-2029	Responsabile unità UNITUS	EU funded project: HORIZON-HLTH-2023-DISEASE-03: AVITHRAPID - Antiviral Therapeutics for Rapid Response Against Pandemic Infectious Diseases https://avithrapid.eu/
2024-2026	Responsabile unità UNITUS	EU funded project HORIZON-CL6-2023-FARM2FORK-01: European Partnership on Animal health and Welfare https://www.eupahw.eu/
2022-2024	Responsabile unità UNITUS	EU funded project: CEF-TC-2020- 2373580: SEBASTIEN– Smarter livestock Breeding through Advanced Services Tailoring Innovative and multisource data to users’ Needs http://sebastien-project.eu
2021-2025	Responsabile unità CMCC	EU funded project: PRIMA: SCALA-MEDI – Improving sustainability and quality of Sheep and Chicken production by leveraging the Adaptation of LocAl breeds in the MEDiterranean https://www.scale-medi.eu
2019-2023	Responsabile unità UNITUS	EU funded project: CEF-TC-2018- 28180545: HIGHLANDER - HIGH performance computing to support smart LAND sERvices https://highlanderproject.eu
2021-2023	Responsabile unità UNITUS	IZS UM RC 06/21 RC “Evaluation of microRNA expression levels as biomarkers in bovine paratuberculosis

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182. Properzi, M., Dimartino, V., Pietrucci, D., Fontana, C., Rotondo, C., Lembo, L., Ricci, F., Scatozza, F., Di Lella, G., Messina, F., **Chillemi, G.**, Bartolini, B., & Facchiano, A. *Investigating Skin Microbial Community in Malignant Melanoma Lesions*. *Microorganisms*, **2025**; 13(5), 992. <https://doi.org/10.3390/microorganisms13050992>
181. Serva L., Magrin L., **Chillemi G.**, Marchesini G., Pietrucci D., Renzi F., Valentini R., Andrighetto I., Milanese M. *Using selective NIR wavelengths in portable devices to evaluate the chemical composition of cattle feeds*. *Italian Journal of Animal Science*, **2025**; 24(1), 550–567. <https://doi.org/10.1080/1828051X.2025.2459348>
180. Michielon A., Litta P., Bonelli F., Don G., Farisè S., Giannuzzi D., Milanese M., Pietrucci D., Vezzoli A., Cecchinato A., **Chillemi G.**, Gallo L., Mele M., Furlanello C. *Mind the Step: An Artificial Intelligence-Based Monitoring Platform for Animal Welfare*. *Sensors* **2024**, 24(24), 8042. doi: 10.3390/s24248042
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Dichiaro che le informazioni riportate nel presente CV costituiscono autocertificazione ai sensi degli art. 46 e 47 del DPR 445/2000, consapevole della responsabilità penale prevista dall'art. 76 del citato decreto per le ipotesi di falsità in atti e dichiarazioni mendaci ivi indicate.

Autorizzo inoltre il trattamento dei miei dati personali ai sensi del decreto legislativo 30 giugno 2003 n.196 ed all'art. 13 del regolamento UE 2016/679 relativo alla protezione delle persone fisiche con riguardo al trattamento dei dati personali

