

CURRICULUM VITAE

INFORMAZIONI PERSONALI

Nome **Graziano Onder**
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Data di nascita [redacted]
Posizione corrente **Direttore Unità Operativa Complessa Continuità Assistenziale
Fondazione Policlinico Universitario A. Gemelli, Roma**
**Professore II fascia (settore medico-disciplinare MED/09)
Università Cattolica del Sacro Cuore (UCSC), Roma**

ESPERIENZA LAVORATIVA

- Date (da – a) 2014-attuale
- Datore di lavoro Corso di Laurea in Terapia Occupazionale – UCSC , sede di Bolzano, Italia
- Principali mansioni e responsabilità Coordinatore Corso di Studi

- Date (da – a) 2013-attuale
- Datore di lavoro Agenzia Italiana del Farmaco (AIFA), Roma, Italia
- Principali mansioni e responsabilità Membro Geriatric Working Group

- Date (da – a) 2010-attuale
- Datore di lavoro UCSC, Roma, Italia
- Principali mansioni e responsabilità Membro collegio docenti del Dottorato di Ricerca in Scienze Geriatriche e della Riabilitazione

- Date (da – a) 2012 e 2018
- Datore di lavoro Società Italiana di Geriatria e Gerontologia (SIGG). Firenze, Italia
- Principali mansioni e responsabilità Membro Comitato Scientifico

- Date (da – a) 2006-2017
- Datore di lavoro UCSC, Roma, Italia
- Principali mansioni e responsabilità Ricercatore Universitario

- Date (da – a) 2011-2013



- Datore di lavoro IRCCS San Raffaele, Roma, Italia
- Principali mansioni e responsabilità Membro Comitato Etico
- Date (da – a) 2004-2006
- Datore di lavoro Policlinico A. Gemelli, UCSC, Roma
- Principali mansioni e responsabilità Dirigente Medico a contratto
- Date (da – a) 2001-2002
- Datore di lavoro Sticht Center on Aging, Wake Forest University, Winston Salem, NC, USA
- Principali mansioni e responsabilità Research Associate

ISTRUZIONE E FORMAZIONE

- Date (da – a) 2004-2006
- Istituto di istruzione o formazione Institut Universitarie Kurt Bosch, Sion, Switzerland
- Qualifica conseguita Advanced Postgraduate Course of the European Academy for Medicine of Aging
- Date (da – a) 2002-2004
- Istituto di istruzione o formazione UCSC, Roma, Italia
- Qualifica conseguita Specializzazione in Geriatria
- Date (da – a) Luglio 2001
- Istituto di istruzione o formazione Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD, USA
- Qualifica conseguita Courses in Principles of Epidemiology and Statistical Reasoning in Public Health I and II
- Date (da – a) 2000-2001
- Istituto di istruzione o formazione J. Paul Sticht Center on Aging - Wake Forest University, Winston Salem, NC, USA
- Qualifica conseguita Research Fellow
- Date (da – a) 1999 – 2002
- Istituto di istruzione o formazione UCSC, Roma, Italia
- Qualifica conseguita Dottorato in Medicina Preventiva in Età Geriatrica
- Date (da – a) 1992 – 1997
- Istituto di istruzione o formazione UCSC, Roma, Italia
- Qualifica conseguita Laurea in Medicina e Chirurgia

EXPERTISE

- Principali aree di competenza
Medicina Geriatrica. Principali aspetti clinici dell'invecchiamento, sindromi geriatriche, malattie croniche
Sindrome di Down nell'adulto. Aspetti clinici e assistenziali
Ricerca clinica ed epidemiologica nelle seguenti aree:
Farmacoepidemiologia e uso di farmaci nell'anziano. Reazioni avverse ai farmaci, prescrizione inappropriata, aderenza alla terapia farmacologica, politerapia
Prevenzione della disabilità nell'anziano. Sviluppo di scale per la valutazione della disabilità nell'anziano, studio di interventi farmacologici e comportamentali per la prevenzione della disabilità.
Sarcopenia. Determinanti e conseguenze della sarcopenia, studio di interventi per la prevenzione di tale condizione.
Organizzazione dei sistemi sanitari. Organizzazione e indicatori di qualità per anziani in RSA o assistenza domiciliare.

ULTERIORI INFORMAZIONI

Nell'Aprile 2017 ha conseguito la **Medaglia di Bronzo al Merito della Sanità Pubblica**

Ha partecipato come **relatore** ad oltre 100 convegni di carattere scientifico in Italia o all'estero.

Ha svolto attività di **reviewer** per oltre 20 riviste internazionali con Impact Factor, tra cui JAMA, The Lancet, Canadian Medical Association Journal, Archives of Internal Medicine, BMJ.

Ha svolto attività di **reviewer** per richieste di finanziamento per istituzioni nazionali ed internazionali, tra cui European Commission-DG Research & Innovation - Horizon 2020 calls, National Science Center (Polonia), La Caixa Banking Foundation (Spagna), Research Funding and Policy Division, Health Research Board (Irlanda), Medical Research Scotland (Scozia), Università di Padova (Italia), Bupa Foundation (Irlanda), The Netherlands Organisation for Health Research and Development (Olanda).

E' membro dell'**editorial board** di Current Drugs Safety, The Scientific World Journal, Journal of Gerontology & Geriatric Research, Journals of Gerontology Medical Sciences, Frontiers in Internal Medicine.

Dal 2015 al 2018 è stato Associate Editor di European Journal of Internal Medicine

Attività di ricerca:

Coordina lo studio finanziato dal Ministero della Salute (Ricerca Finalizzata) dal titolo 'Multimorbidity Patterns: a new approach to the



care of patients with chronic diseases' (2018-2021)

E' leader di Workpackage nella seconda Joint Action on Chronic Diseases and Promoting Healthy Ageing across the Life Cycle (CHRODIS+; 2016-2019) finanziata dalla Comunità Europea - Health Programme 2014-202'.

E' leader di Workpackage nella Joint Action on Frailty (ADVANTAGE; 2016-2019) finanziata dalla Comunità Europea - Health Programme 2014-2020.

Ha coordinato un progetto finanziato dal Ministero della Salute dal titolo 'Sviluppo di criteri per valutare l'uso appropriato farmaci tra i pazienti anziani complessi: progetto CRIME' (2010-2012)

Ha partecipato a progetti europei:

- AgeD in the Home Care Project - AD-HOC (2001-2003), finanziato dal 5 ° programma quadro della Comunità Europea (FP)
- Services and health for elderly in long term care – SHELTER (2010-2012), finanziato dal 7° FP
- Identifying best practices for care-dependent elderly by Benchmarking Costs and outcomes of Community Care – IbenC (2013-2016), finanziato dal 7°FP
- COST IS1402 'Ageism from a multinational, interdisciplinary perspective'(2015-2017) finanziato dalla Comunità Europea
- Joint Action on Chronic Diseases and Promoting Healthy Ageing across the Life Cycle (CHRODIS; 2014-2016) finanziata dalla Comunità Europea - Health Programme 2008-2013.

Ha partecipato in qualità a numerosi progetti di ricerca finanziati in abito nazionale (AIFA e Ministero della Salute)

PUBBLICAZIONI

E' autore di 322 pubblicazioni in riviste internazionali.

H-index Web of Science (aggiornato al 2/1/2019): 56

H-index Scopus (aggiornato al 2/1/2019): 61

Roma, 2/1/2019



Categoria 1. Pubblicazioni scientifiche

Lista pubblicazioni su riviste internazionali (aggiornato al 2/1/2019)

Totale pubblicazioni: 322

Statistiche *Scopus*

H-index: 61

Numero citazioni: 13457

Statistiche *Web of science*

H-index: 56

Numero citazioni: 11650

Elenco pubblicazioni

1. Vetrano DL, Palmer KM, Galluzzo L, Giampaoli S, Marengoni A, Bernabei R, Onder G; Joint Action ADVANTAGE WP4 group. Hypertension and frailty: a systematic review and meta-analysis. *Bmj open*. 2018;8:e024406.
2. Covino M, Petruzzello C, Onder G, Migneco A, Simeoni B, Franceschi F, Ojetti V. A 12-year retrospective analysis of differences between elderly and oldest old patients referred to the emergency department of a large tertiary hospital. *Maturitas*. 2019;120:7-11.
3. Marengoni A, Vetrano DL, Onder G. Target Population for Clinical Trials on Multimorbidity: Is Disease Count Enough? *Journal of the American Medical Directors Association*. 2018 Nov 28.
4. Corsonello A, Cozza A, D'Alia S, Onder G, Volpato S, Ruggiero C, Cherubini A, Di Rosa M, Fabbietti P, Lattanzio F. The excess mortality risk associated with anticholinergic burden among older patients discharged from acute care hospital with depressive symptoms. *European journal of internal medicine*. 2018 Nov 15.
5. Calle A, Onder G, Morandi A, Bellelli G, Ortolani E, Pérez LM, Mesas M, Sanniti A, Mazzanti P, Platto CN, Gentile S, Martinez N, Roquè M, Inzitari M. Frailty Related Factors as Predictors of Functional Recovery in Geriatric Rehabilitation: The Sarcopenia And Function in Aging Rehabilitation (SAFARI) Multi-Centric study. *The journal of nutrition, health & aging*. 2018;22:1099-1106.
6. Rea F, Calusi G, Franchi M, Vetrano DL, Roberto G, Bonassi S, Kirchmayer U, Chinellato A, Bettiol A, Sultana J, Mugelli A, Corrao G; I-GrADE Investigators. Adherence of Elderly Patients with Cardiovascular Disease to Statins and the Risk of Exacerbation of Chronic Obstructive Pulmonary Disease: Evidence from an Italian Real-World Investigation. *Drugs & aging*. 2018;35:1099-1108.
7. Calderón-Larrañaga A, Vetrano DL, Ferrucci L, Mercer SW, Marengoni A, Onder G, Eriksdotter M, Fratiglioni L. Multimorbidity and functional impairment: bidirectional interplay, synergistic effects and common pathways. *Journal of internal medicine*. 2018 Oct 24.
8. Palmer K, Vetrano DL, Marengoni A, Tummolo AM, Villani ER, Acampora N, Bernabei R, Onder G. The Relationship between Anaemia and Frailty: A Systematic Review and Meta-Analysis of Observational Studies. *The journal of nutrition, health & aging*. 2018;22:965-974.
9. Palmer K, Onder G, Cesari M. The geriatric condition of frailty. *European journal of internal medicine*. 2018;56:1-2.

10. Valdiglesias V, Marcos-Pérez D, Lorenzi M, Onder G, Gostner JM, Strasser B, Fuchs D, Bonassi S. Immunological alterations in frail older adults: A cross sectional study. *Experimental gerontology*. 2018;112:119-126.
11. Liperoti R, Fusco D, Cipriani MC, Lo Monaco MR, Onder G. Balancing the risks and benefits of antipsychotic medications for symptom management in older patients with cancer. *Journal of geriatric oncology*. 2018;9:693-695.
12. Brombo G, Bianchi L, Maietti E, Malacarne F, Corsonello A, Cherubini A, Ruggiero C, Onder G, Volpato S. Association of Anticholinergic Drug Burden with Cognitive and Functional Decline Over Time in Older Inpatients: Results from the CRIME Project. *Drugs & aging*. 2018;35:917-924.
13. Lattanzio F, Onder G, La Fauci MM, Volpato S, Cherubini A, Fabbietti P, Ruggiero C, Garasto S, Cozza A, Crescibene L, Tarsitano A, Corsonello A. Anticholinergic Burden is Associated With Increased Mortality in Older Patients With Dependency Discharged From Hospital. *Journal of the American Medical Directors Association*. 2018;19:942-947.
14. Ten Koppel M, Onwuteaka-Philipsen BD, Pasma HR, Bernabei R, Carpenter I, Denkinger MD, Onder G, van der Roest HG, Topinkova E, van Hout HPJ. Are older long term care residents accurately prognosticated and consequently informed about their prognosis? Results from SHELTER study data in 5 European countries. *Plos one*. 2018;13:e0200590.
15. Mangin D, Bahat G, Golomb BA, Mallery LH, Moorhouse P, Onder G, Petrovic M, Garfinkel D. International Group for Reducing Inappropriate Medication Use & Polypharmacy (IGRIMUP): Position Statement and 10 Recommendations for Action. *Drugs & aging*. 2018;35:575-587.
16. Russo P, Prinzi G, Proietti S, Lamonaca P, Frustaci A, Boccia S, Amore R, Lorenzi M, Onder G, Marzetti E, Valdiglesias V, Guadagni F, Valente MG, Cascio GL, Fraietta S, Ducci G, Bonassi S. Shorter telomere length in schizophrenia: Evidence from a real-world population and meta-analysis of most recent literature. *Schizophrenia Research*. 2018;202:37-45.
17. Villani ER, Tummolo AM, Palmer K, Gravina EM, Vetrano DL, Bernabei R, Onder G, Acampora N. Frailty and atrial fibrillation: A systematic review. *European journal of internal medicine*. 2018;56:33-38.
18. Junius-Walker U, Onder G, Soleymani D, Wiese B, Albaina O, Bernabei R, Marzetti E; ADVANTAGE JA WP4 group. The essence of frailty: A systematic review and qualitative synthesis on frailty concepts and definitions. *European journal of internal medicine*. 2018;56:3-10.
19. Vetrano DL, Villani ER, Grande G, Giovannini S, Cipriani MC, Manes-Gravina E, Bernabei R, Onder G. Association of Polypharmacy With 1-Year Trajectories of Cognitive and Physical Function in Nursing Home Residents: Results From a Multicenter European Study. *Journal of the American Medical Directors Association*. 2018;19:710-713.
20. Damiani A, Onder G, Valentini V. Large databases (Big Data) and evidence-based medicine. *European journal of internal medicine*. 2018;53:1-2.
21. Fabbietti P, Ruggiero C, Sganga F, Fusco S, Mammarella F, Barbini N, Cassetta L, Onder G, Corsonello A, Lattanzio F, Di Rosa M. Effects of hyperpolypharmacy and potentially inappropriate medications (PIMs) on functional decline in older patients discharged from acute care hospitals. *Archives of gerontology & geriatrics*. 2018;77:158-162.

22. Vetrano DL, Palmer K, Marengoni A, Marzetti E, Lattanzio F, Roller-Wirnsberger R, Lopez Samaniego L, Rodríguez-Mañas L, Bernabei R, Onder G; Joint Action ADVANTAGE WP4 group. Frailty and multimorbidity: a systematic review and meta-analysis. *The journals of gerontology. Series A, Biological sciences and medical sciences*. 2018 May 3.
23. Giovannini S, Onder G, Lattanzio F, Bustacchini S, Di Stefano G, Moresi R, Russo A, Bernabei R, Landi F. Selenium Concentrations and Mortality among Community-Dwelling Older Adults: Results from IISIRENTE Study. *The journal of nutrition, health & aging*. 2018;22(5):608-612.
24. Dekker AD, Sacco S, Carfi A, Benejam B, Vermeiren Y, Beugelsdijk G, Schippers M, Hassefras L, Eleveld J, Grefelman S, Fopma R, Bomer-Veenboer M, Boti M, Oosterling GDE, Scholten E, Tollenaere M, Checkley L, Strydom A, Van Goethem G, Onder G, Blesa R, Zu Eulenburg C, Coppus AMW, Rebillat AS, Fortea J, De Deyn PP. The Behavioral and Psychological Symptoms of Dementia in Down Syndrome (BPSD-DS) Scale: Comprehensive Assessment of Psychopathology in Down Syndrome. *Journal of alzheimer's disease*. 2018;63:797-819.
25. Jurevičienė E, Onder G, Visockienė Ž, Purnaitė R, Petrikonytė D, Gargalskaitė U, Kasiulevičius V, Navickas R. Does multimorbidity still remain a matter of the elderly: Lithuanian national data analysis. *Health Policy*. 2018;122:681-686.
26. Biffi A, Scotti L, Rea F, Lucenteforte E, Chinellato A, Vetrano DL, Vitale C, Agabiti N, Sultana J, Roberto G, Mugelli A, Corrao G; Italian Group for Appropriate Drug prescription in the Elderly (I-GrADE). Adherence to Antidepressants and Mortality in Elderly Patients with Cardiovascular Disease. *Clinical drug investigation*. 2018;38:593-602.
27. Lorenzi M, Bonassi S, Lorenzi T, Giovannini S, Bernabei R, Onder G. A review of telomere length in sarcopenia and frailty. *Biogerontology*. 2018;19:209-221.
28. Onder G, Vetrano DL, Marengoni A, Bell JS, Johnell K, Palmer K; Optimising Pharmacotherapy through Pharmacoepidemiology Network (OPPEN). Accounting for frailty when treating chronic diseases. *European journal of internal medicine*. 2018;56:49-52.
29. Vetrano DL, Rizzuto D, Calderón-Larrañaga A, Onder G, Welmer AK, Bernabei R, Marengoni A, Fratiglioni L. Trajectories of functional decline in older adults with neuropsychiatric and cardiovascular multimorbidity: A Swedish cohort study. *Plos medicine*. 2018;15:e1002503.
30. Wazzan AAA, Tommelein E, Foubert K, Bonassi S, Onder G, Somers A, Petrovic M, Boussery K. Development and Application of the GheOP(3)S-Tool Addendum on Potentially Inappropriate Prescribing (PIP) of Renally Excreted Active Drugs (READS) in Older Adults with Polypharmacy. *Drugs & aging*. 2018;35:343-364.
31. Marengoni A, Vetrano DL, Manes-Gravina E, Bernabei R, Onder G, Palmer K. The Relationship Between COPD and Frailty: A Systematic Review and Meta-Analysis of Observational Studies. *Chest*. 2018;154:21-40.
32. Windhaber T, Koula ML, Ntzani E, Velivasi A, Rizos E, Dumas MT, Pappas EE, Onder G, Vetrano DL, Roudriguez Laso A, Roudriguez Manjas L, Illario M, Roller-Wirnsberger RE; ADVANTAGE JA WP8 group. Educational strategies to train health care professionals across the education continuum on the process of frailty prevention and frailty management: a systematic review. *Aging clinical and experimental research*. 2018;30:1409-1415.
33. Palmer K, Onder G. Comprehensive geriatric assessment: Benefits and limitations. *European journal of internal medicine*. 2018;54:e8-e9.

34. Giovannini S, van der Roest HG, Carfi A, Finne-Soveri H, Garms-Homolová V, Declercq A, Jónsson PV, van Hout H, Vetrano DL, Gravina EM, Bernabei R, Onder G. Polypharmacy in Home Care in Europe: Cross-Sectional Data from the IBenC Study. *Drugs & aging*. 2018;35:145-152.
35. Vetrano DL, Pisciotta MS, Laudisio A, Lo Monaco MR, Onder G, Brandi V, Fusco D, Di Capua B, Ricciardi D, Bernabei R, Zuccalà G. Sarcopenia in Parkinson Disease: Comparison of Different Criteria and Association With Disease Severity. *Journal of the American Medical Directors Association*. 2018;19:523-527.
36. Roberto G, Bartolini C, Rea F, Onder G, Vitale C, Trifirò G, Kirchmayer U, Chinellato A, Lucenteforte E, Corrao G, Mugelli A, Lapi F, Gini R; Italian Group for Appropriate Drug prescription in the Elderly (I-GrADE). NSAIDs utilization for musculoskeletal indications in elderly patients with cerebro/cardiovascular disease. *European journal of clinical pharmacology*. 2018;74:637-643.
37. Tan ECK, Sluggett JK, Johnell K, Onder G, Elseviers M, Morin L, Vetrano DL, Wastesson JW, Fastbom J, Taipale H, Tanskanen A, Bell JS; Optimizing Geriatric Pharmacotherapy through Pharmacoepidemiology Network (OPPEN) Group. Research Priorities for Optimizing Geriatric Pharmacotherapy: An International Consensus. *Journal of the American Medical Directors Association*. 2018;19:193-199.
38. Onder G, Giovannini S, Sganga F, Manes-Gravina E, Topinkova E, Finne-Soveri H, Garms-Homolová V, Declercq A, van der Roest HG, Jónsson PV, van Hout H, Bernabei R. Interactions between drugs and geriatric syndromes in nursing home and home care: results from Shelter and IBenC projects. *Aging clinical and experimental research*. 2018;30:1015-1021.
39. Joling KJ, van Eeoo L, Vetrano DL, Smaardijk VR, Declercq A, Onder G, van Hout HPJ, van der Roest HG. Quality indicators for community care for older people: A systematic review. *Plos one*. 2018;13:e0190298.
40. Lattanzio F, Corica F, Schepisi R, Amantea D, Bruno F, Cozza A, Onder G, Volpato S, Cherubini A, Ruggiero C, Maggio MG, Corsonello A. Anticholinergic burden and 1-year mortality among older patients discharged from acute care hospital. *Geriatrics & gerontology international*. 2018;18:705-713.
41. Poscia A, Stojanovic J, La Milia DI, Duplaga M, Grysztar M, Moscato U, Onder G, Collamati A, Ricciardi W, Magnavita N. Interventions targeting loneliness and social isolation among the older people: An update systematic review. *Experimental gerontology*. 2018;102:133-144.
42. Vetrano DL, Collamati A, Magnavita N, Sowa A, Topinkova E, Finne-Soveri H, van der Roest HG, Tobiasz-Adamczyk B, Giovannini S, Ricciardi W, Bernabei R, Onder G, Poscia A. Health determinants and survival in nursing home residents in Europe: Results from the SHELTER study. *Maturitas*. 2018;107:19-25.
43. Onder G, Marengoni A. Polypharmacy. *Jama*. 2017;318:1728.
44. Poscia A, Collamati A, Carfi A, Topinkova E, Richter T, Denkinge M, Pastorino R, Landi F, Ricciardi W, Bernabei R, Onder G. Influenza and pneumococcal vaccination in older adults living in nursing home: a survival analysis on the shelter study. *European journal of public health*. 2017;27:1016-1020.
45. Biffi A, Rea F, Scotti L, Mugelli A, Lucenteforte E, Bettiol A, Chinellato A, Onder G, Vitale C, Agabiti N, Trifirò G, Roberto G, Corrao G; Italian Group for Appropriate Drug prescription in the Elderly (I-GrADE). Antidepressants and the risk of arrhythmia in elderly affected by a previous cardiovascular

disease: a real-life investigation from Italy. *European journal of clinical pharmacology* 2018;74:119-129.

46. Van Eenoo L, van der Roest H, Onder G, Finne-Soveri H, Garms-Homolova V, Jonsson PV, Draisma S, van Hout H, Declercq A. Organizational home care models across Europe: A cross sectional study. *International journal of nursing studies*. 2018;77:39-45.
47. Bettiol A, Lucenteforte E, Vannacci A, Lombardi N, Onder G, Agabiti N, Vitale C, Trifirò G, Corrao G, Roberto G, Mugelli A, Chinellato A; Italian Group for Appropriate Drug prescription in the Elderly (I-GrADE). Calcium Channel Blockers in Secondary Cardiovascular Prevention and Risk of Acute Events: Real-World Evidence from Nested Case-Control Studies on Italian Hypertensive Elderly. *Clinical drug investigation* 2017;37:1165-1174.
48. Palmer K, Marengoni A, Forjaz MJ, Jureviciene E, Laatikainen T, Mammarella F, Muth C, Navickas R, Prados-Torres A, Rijken M, Rothe U, Souchet L, Valderas J, Vontetsianos T, Zaletel J, Onder G; Joint Action on Chronic Diseases and Promoting Healthy Ageing Across the Life Cycle (JA-CHRODIS). Multimorbidity care model: Recommendations from the consensus meeting of the Joint Action on Chronic Diseases and Promoting Healthy Ageing across the Life Cycle (JA-CHRODIS). *Health policy*. 2018;122:4-11.
49. Vetrano DL, Calderón-Larrañaga A, Marengoni A, Onder G, Bauer JM, Cesari M, Ferrucci L, Fratiglioni L. An International Perspective on Chronic Multimorbidity: Approaching the Elephant in the Room. *The journals of gerontology. Series A, Biological sciences and medical sciences*. 2018;73:1350-1356.
50. Malek Makan A, van Hout H, Onder G, Finne-Soveri H, van der Roest H, van Marum R. Prevalence of Preventive Cardiovascular Medication Use In Nursing Home Residents. Room for Deprescribing? The SHELTER Study. *Journal of the American Medical Directors Association*. 2017;18:1037-1042.
51. Gutiérrez-Valencia M, Martínez-Velilla N, Vetrano DL, Corsonello A, Lattanzio F, Ladrón-Arana S, Onder G. Anticholinergic burden and health outcomes among older adults discharged from hospital: results from the CRIME study. *European journal of clinical pharmacology*. 2017;73:1467-1474.
52. Carfi A, Liperoti R, Fusco D, Giovannini S, Brandi V, Vetrano DL, Meloni E, Mascia D, Villani ER, Manes Gravina E, Bernabei R, Onder G. Bone mineral density in adults with Down syndrome. *Osteoporosis international*. 2017;28:2929-2934.
53. Vetrano DL, Bianchini E, Onder G, Cricelli I, Cricelli C, Bernabei R, Bettoncelli G, Lapi F. Poor adherence to chronic obstructive pulmonary disease medications in primary care: Role of age, disease burden and polypharmacy. *Geriatrics & gerontology international*. 2017;17:2500-2506.
54. Picciotti PM, Carfi A, Anzivino R, Paludetti G, Conti G, Brandi V, Bernabei R, Onder G. Audiologic Assessment in Adults With Down Syndrome. *American journal of intellectual & developmental disabilities*. 2017;122:333-341.
55. Liperoti R, Vetrano DL, Bernabei R, Onder G. Herbal Medications in Cardiovascular Medicine. *Journal of the american college of cardiology*. 2017;69:1188-1199.
56. Marengoni A, Fratiglioni L, Onder G. Improving Public Awareness of Multimorbidity. *Journal of the American Medical Directors Association*. 2017;18:372-373.
57. Liperoti R, Sganga F, Landi F, Topinkova E, Denking MD, van der Roest HG, Foebel AD, Finne-Soveri H, Bernabei R, Onder G. Antipsychotic Drug Interactions and Mortality Among Nursing Home Residents With Cognitive Impairment. *The Journal of clinical psychiatry*. 2017;78:e76-e82.

58. Laffon de Mazières C, Morley JE, Levy C, Agenes F, Barbagallo M, Cesari M, De Souto Barreto P, Donini LM, Fitten J, Franco A, Izquierdo M, Kane RA, Martin FC, Onder G, Ouslander J, Pitkälä K, Saliba D, Sinclair A, Manas LR, Vellas B, Rolland Y. Prevention of Functional Decline by Reframing the Role of Nursing Homes? *Journal of the American Medical Directors Association*. 2017;18:105-110.
59. Onder G, Cesari M, Maggio M, Palmer K. Defining a care pathway for patients with multimorbidity or frailty. *European journal of internal medicine*. 2017;38:1-2.
60. Marengoni A, Onder G, Degli Esposti L, Russo P, Sangiorgi D, Buda S, Fini M, Marchionni N, Bonassi S, Mammarella F, Marrocco W, Pozzi G, Palmer K, Monaco A, Pecorelli S, Pani L; Geriatrics Steering Committee of the Italian Medicines Agency on behalf of the OsMed Health-DB Network. Adherence to Selective Serotonin and Serotonin-Norepinephrine Reuptake Inhibitor Prescriptions Affects Overall Medication Adherence in Older Persons: Evidence From the Italian Nationwide OsMed Health-DB Database. *The Journal of clinical psychiatry*. 2016;77:1712-1718.
61. Calderón-Larrañaga A, Vetrano DL, Onder G, Gimeno-Feliu LA, Coscollar-Santaliestra C, Carfí A, Pisciotta MS, Angleman S, Melis RJF, Santoni G, Mangialasche F, Rizzuto D, Welmer AK, Bernabei R, Prados-Torres A, Marengoni A, Fratiglioni L. Assessing and Measuring Chronic Multimorbidity in the Older Population: A Proposal for Its Operationalization. *The journals of gerontology. Series A, Biological sciences and medical sciences*. 2017;72:1417-1423.
62. Petrovic M, Tangiisuran B, Rajkumar C, van der Cammen T, Onder G. Predicting the Risk of Adverse Drug Reactions in Older Inpatients: External Validation of the GerontoNet ADR Risk Score Using the CRIME Cohort. *Drugs & aging*. 2017;34:135-142.
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315. Incalzi RA, Pedone C, Onder G, Pahor M, Carbonin PU. Predicting length of stay of older patients with exacerbated chronic obstructive pulmonary disease. *Aging (Milan, Italy)*. 2001;13:49-57
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320. Landi F, Tua E, Onder G, Carrara B, Sgadari A, Rinaldi C, Gambassi G, Lattanzio F, Bernabei R. Minimum data set for home care: A valid instrument to assess frail older people living in the community. *Medical care*. 2000;38:1184-1190
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Categoria 2. Attività istituzionali.

2017-attuale. Direttore dell'Unità Operativa Complessa di Continuità Assistenziale - Fondazione Policlinico Universitario A. Gemelli, Roma (17 posti letto).

2017-attuale. Professore II fascia (settore scientifico-disciplinare MED/09) – Istituto di Medicina Interna e Geriatria, Università Cattolica del Sacro Cuore, Roma.

2014-attuale. Coordinatore del corso di laurea in Terapia Occupazionale dell'Università Cattolica del Sacro Cuore – sede di Bolzano.

2013-attuale. Membro Geriatric Working Group dell'Agenzia Italiana del Farmaco (AIFA), Roma.

2010-attuale: membro collegio docenti del Dottorato di Ricerca in Scienze Geriatriche e della Riabilitazione, Università Cattolica del Sacro Cuore, Roma.

2012 e 2018. Membro del Comitato Scientifico della Società Italiana di Geriatria e Gerontologia (SIGG)

2006-2017. Ricercatore Universitario confermato - Istituto di Medicina Interna e Geriatria, Università Cattolica del Sacro Cuore, Roma.

2011-2013. Membro del Comitato Etico IRCCS San Raffaele, Roma.

2004-2006. Dirigente Medico a contratto – Reparto di Geriatria, Policlinico A. Gemelli, Università Cattolica del Sacro Cuore, Roma.

2001-2002 Research Associate, Department of Geriatrics - Sticht Center on Aging, Wake Forest University, Winston Salem, NC, USA.

Dal 2004 ad oggi, numerose docenze presso corsi istituzionali (vedere sezione categoria 4)

Categoria 3. Esperienza manageriale.

Dal 2014 è Coordinatore del corso di studi in Terapia Occupazionale dell'Università Cattolica del Sacro Cuore della sede di Bolzano.

Dal 2017 è Direttore dell'Unità Operativa Complessa di Continuità Assistenziale della Fondazione Policlinico Universitario A. Gemelli (17 posti letto).

Attività di coordinamento con diretta responsabilità di gestione di progetti di ricerca nazionali ed internazionali multicentrici:

1. Development and validation of a score to identify older adults at risk of adverse drug reactions. Finanziato da Servier (2007). Durata: 12 mesi. *Principal Investigator*.
2. Development of CRiteria to assess Appropriate Medication use among Elderly complex patients: CRIME project. Finanziato dal Bando Giovani Ricercatori del Ministero della Salute (2009) Durata: 36 mesi. *Principal Investigator*.
3. Services and health for elderly in long term care – SHELTER. Finanziato dal 7° Framework Programme della Comunità Europea (2010). Durata: 36 mesi. *Project manager*.
4. Identifying best practices for care-dependent elderly by Benchmarking Costs and outcomes of Community Care (IBenC). Finanziato dal 7° Framework Programme della Comunità Europea (2013). Durata 48 mesi. *Workpackage Leader*.
5. Joint Action on Chronic Diseases (CHRODIS). Finanziato dall'Health Programme della Comunità Europea (2014). Durata: 36 mesi. *Workpackage Leader*.
6. COST-action (IS1402) ageism from a multinational, interdisciplinary perspective. Finanziato dalla Comunità Europea (2015). Durata: 36 mesi. *Workgroup Leader*.
7. Joint Action on Frailty management prevention (Advantage). Finanziato dall'Health Programme della Comunità Europea (2016). Durata: 36 mesi. *Workpackage Leader*.
8. Second Joint Action on Chronic Diseases (CHRODIS+). Finanziato dall'Health Programme della Comunità Europea (2017). Durata: 36 mesi. *Workpackage Leader*.
9. Multimorbidity Patterns: a new approach to the care of patients with chronic diseases. Finanziato dal Bando Ricerca Finalizzata del Ministero della Salute (2017). Durata: 36 mesi. *Principal Investigator*.

Categoria 4. Titoli formativi e professionali (dottorati di ricerca, specializzazioni, incarichi di responsabilità nella gestione di strutture, incarichi di responsabilità di Progetti, incarichi universitari, docenze in corsi istituzionali).

Titoli formativi

1. *Laurea in Medicina e Chirurgia* conseguita presso l'Università Cattolica del Sacro Cuore in data 22.07.1997 con votazione 110/110 e lode;
2. Abilitazione all'esercizio della professione di medico chirurgo conseguita nella sessione di maggio 1998 con votazione 110/110;
3. *Research fellow* presso lo Sticht Center on Aging, Wake Forest University. Data: 01.08.2000-30.04.2001;
4. Certificate of Clinical Research Investigator/Coordinator Certificate (CRICC) Program – Wake Forest University Baptist. Data: 11 Settembre 2001
5. Courses in Principles of Epidemiology and Statistical Reasoning in Public Health I and II – The Johns Hopkins University – Bloomberg School of Public Health. Data: luglio 2001
6. Conseguimento del titolo di *Dottore di Ricerca in Medicina Preventiva in Età Geriatrica* presso l'Università Cattolica del Sacro Cuore in data 06.03.2002;
7. *Diploma di specializzazione in Geriatria* conseguito presso l'Università Cattolica del Sacro Cuore in data 09.11.2004 con votazione 50/50 e lode;
8. Certificate in Geriatrics and Medical Gerontology presso The University Institute Kurt Bosch in Sion. Data: giugno 2006

Titoli professionali

Incarichi di responsabilità nella gestione di strutture

Dal 2014 è Coordinatore del corso di studi in Terapia Occupazionale dell'Università Cattolica del Sacro Cuore della sede di Bolzano.

Dal 2017 è Direttore dell'Unità Operativa Complessa di Continuità Assistenziale della Fondazione Policlinico Universitario A. Gemelli (17 posti letto).

Incarichi di responsabilità di progetti

1. Effetto del Trattamento con ACE Inibitori sulla Forza Muscolare e sulla Performance Fisica in Soggetti Anziani. Finanziato da Bando Ministero Università Giovani Ricercatori (2000). Durata: 12 mesi. Principal Investigator
2. AgeD in the Home Care Project (AD - HOC). Finanziato dal 5° Programma Quadro della Comunità Europea (2001). Durata: 36 mesi. Co-investigator
3. Effect of ACE inhibitors on skeletal muscle and physical disability in older adults. Finanziato da US National Institute of Aging (NIA) Claude Pepper Older Americans Independence Center grant (2002). Durata: 36 mesi. Co-investigator.
4. Case Manager and Risk of Hospitalization or Nursing Home Admission Among Older Adults Receiving Home Care in Europe finanziato da The Institute for Incentives in Health Care (2006). Durata: 12 mesi. Principal Investigator

5. Effetto del trattamento combinato con ACE inibitori, aspirina, beta bloccanti e statine secondo linee-guida in pazienti anziani con patologie multiple. Finanziato da Fondi Ateneo Ricerca Scientifica (Ministero Università e Ricerca - 2007). Durata: 12 mesi. Principal Investigator
6. Development and validation of a score to identify older adults at risk of adverse drug reactions. Finanziato da Servier (2007). Durata: 12 mesi. Principal Investigator
7. Genotipi dei recettori della vitamina D e cadute in anziani che vivono al domicilio. Finanziato da Fondi Ateneo Ricerca Scientifica (Ministero Università e Ricerca - 2008). Durata: 12 mesi. Principal Investigator
8. Sviluppo e validazione di criteri per valutare la prescrizione inappropriata in pazienti anziani. Finanziato da Fondi Ateneo Ricerca Scientifica (Ministero Università e Ricerca - 2009). Durata: 12 mesi. Principal Investigator
9. Efficacia di un programma di assistenza geriatrica centrato sulla valutazione multidimensionale nel migliorare la qualità della prescrizione farmacologica in una popolazione anziana che vive in istituzione. Finanziato dalla Agenzia Italiana del Farmaco (2009). Durata: 36 mesi. Co-investigatore
10. Effetto di un intervento di e-learning, centrato sulla valutazione multidimensionale nel ridurre la prescrizione di farmaci inappropriati e le interazioni farmacologiche in anziani ospedalizzati. Finanziato dalla Agenzia Italiana del Farmaco (2009). Durata: 36 mesi. Co-investigatore
11. Development of CRiteria to assess Appropriate Medication use among Elderly complex patients: CRIME project. Finanziato dal Bando Giovani Ricercatori del Ministero della Salute (2009) Durata: 36 mesi. Principal Investigator
12. Services and health for elderly in long term care – SHELTER. Finanziato dal 7° Framework Programme della Comunità Europea (2010). Durata 36 mesi. Project manager.
13. Revisione sistematica sull'efficacia di interventi finalizzati a ridurre il rischio di reazioni avverse a farmaci e patologia iatrogena. Finanziato da Fondi Ateneo Ricerca Scientifica (Ministero Università e Ricerca - 2010). 12 mesi. Principal Investigator
14. Polimorfismo del gene dell'ACE e recupero funzionale in pazienti anziani con frattura di femore. Finanziato da Fondi Ateneo Ricerca Scientifica (Ministero Università e Ricerca - 2011). 12 mesi. Principal Investigator
15. Pharmacological treatment in the elderly patient affected by cardiovascular disease and other chronic comorbidities: inappropriate prescribing and outcome evaluation among institutionalized and community-dwelling elders. Finanziato dalla Agenzia Italiana del Farmaco (2012). Durata 36 mesi. Co-investigatore.
16. Identifying best practices for care-dependent elderly by Benchmarking Costs and outcomes of Community Care (IBenC). Finanziato dal 7° Framework Programme della Comunità Europea (2013). Durata: 48 mesi. Workpackage Leader.
17. Joint Action on Chronic Diseases (CHRODIS). Finanziato dall'Health Programme della Comunità Europea (2014). Durata: 36 mesi. Workpackage Leader.

18. Appropriate Drug Prescription in the Elderly (I-Grade). Finanziato da Agenzia Italiana del Farmaco (2014). Durata: 36 mesi. Co-investigatore.
19. COST-action (IS1402) ageism from a multinational, interdisciplinary perspective. Finanziato dalla Comunità Europea (2015). Durata: 36 mesi. Workgroup Leader.
20. Joint Action on Frailty management prevention (Advantage). Finanziato dall'Health Programme della Comunità Europea (2016). Durata: 36 mesi. Workpackage Leader.
21. Second Joint Action on Chronic Diseases (CHRODIS+). Finanziato dall'Health Programme della Comunità Europea (2017). Durata: 36 mesi. Workpackage Leader.
22. Multimorbidity Patterns: a new approach to the care of patients with chronic diseases. Finanziato dal Bando Ricerca Finalizzata del Ministero della Salute (2017). Durata: 36 mesi. Principal Investigator.
23. FAIR4Health. Finanziato dal Programma Horizon2020 della Comunità Europea (2018). Durata 36 mesi. Co-investigatore.

Incarichi universitari

2017-attuale. Direttore dell'Unità Operativa Complessa di Continuità Assistenziale - Fondazione Policlinico Universitario A. Gemelli, Roma (17 posti letto).

2017-attuale. Professore II fascia (settore scientifico-disciplinare MED/09) – Istituto di Medicina Interna e Geriatria, Università Cattolica del Sacro Cuore, Roma.

2014-attuale. Coordinatore del corso di laurea in Terapia Occupazionale dell'Università Cattolica del Sacro Cuore – sede di Bolzano.

2010-attuale: membro collegio docenti del Dottorato di Ricerca in Scienze Geriatriche e della Riabilitazione, Università Cattolica del Sacro Cuore, Roma.

2006-2017. Ricercatore Universitario confermato - Istituto di Medicina Interna e Geriatria, Università Cattolica del Sacro Cuore, Roma.

2004-2006. Dirigente Medico a contratto – Reparto di Geriatria, Policlinico A. Gemelli, Università Cattolica del Sacro Cuore, Roma.

2001-2002. Research Associate, Department of Geriatrics - Sticht Center on Aging, Wake Forest University, Winston Salem, NC, USA.

Agosto 1993. Guest researcher – University of Pittsburgh, Pittsburgh, PA, USA.

Settembre 1996. Guest researcher – National Institute of Health, Bethesda, MD, USA.

Docenze in corsi istituzionali

2017-attuale: Insegnamento di 'Medicina Interna 2' – Corso di Laurea in Medicina e Chirurgia – Università Cattolica del Sacro Cuore, Roma.

2017-attuale: Insegnamento di 'Geriatrics' – Corso di Laurea in Medicine and Surgery (corso in lingua inglese) – Università Cattolica del Sacro Cuore, Roma.

2013-attuale: Insegnamento di 'Geriatría' – Corso di Laurea in Terapia Occupazionale – Università Cattolica del Sacro Cuore, sede di Moncrivello (VC).

2008 - attuale: Insegnamento di 'Epidemiologia e Farmacoepidemiologia Geriatrica' Scuola di Specializzazione in Geriatria, Università Cattolica del Sacro Cuore, Roma.

2008 - attuale: Insegnamento di 'Clinica Geriatrica' Scuola di Specializzazione in Geriatria, Università Cattolica del Sacro Cuore, Roma.

2008-attuale: Insegnamento di 'Epidemiologia' – Corso di Laurea in Terapia Occupazionale – Università Claudiana, Bolzano.

2013-2016: Insegnamento di 'Geriatría' – Corso di Laurea in Terapia Occupazionale – Università Claudiana, Bolzano.

2013-2015: Insegnamento di 'Geriatría' – Corso di Laurea in Dietistica – Università Claudiana, Bolzano.

2004-2012: Insegnamento 'Geriatría' – Facoltà Scienze Motorie- Università di Cassino, Cassino.

2007-2009: Insegnamento 'Geriatría' – Corso di Laurea in Fisioterapia – Università Cattolica del Sacro Cuore, Roma.

Master Case Management nella rete integrata dei servizi per anziani – II Facoltà di Medicina e Chirurgia, Università La Sapienza. Roma, dal 2011 al 2015.

International Summer School on Ageing – Istituto Nazionale Ricerca e Cura Anziani. Ancona, Settembre 2012.

Master Competenze professionali e responsabilità nell'assistenza di pazienti con demenza, Università La Sapienza. Roma, Marzo 2010.

Corso Epidemiologia Geriatrica – Centro Studi Achille e Linda Lorenzon – Università Cattolica del Sacro Cuore, Treviso, Ottobre 2010

Master Sepsis in Chirurgia, Università Cattolica del Sacro Cuore. Roma, Maggio 2008.