

**ALLEGATO B**

UNIVERSITÀ DEGLI STUDI DI MILANO

selezione pubblica per n. 1 posto/i di Ricercatore a tempo determinato in tenure track (RTT)  
per il settore concorsuale: 06/M1 - *Igiene Generale e Applicata, Scienze Infermieristiche e Statistica Medica*

Settore scientifico-disciplinare: *MED/01 - Statistica Medica*

presso il Dipartimento di *SCIENZE CLINICHE E DI COMUNITÀ* (avviso bando pubblicato sulla G.U. n. 73 del 26/09/2023 ) Codice concorso 5391

## CURRICULUM VITAE di Daniele Giardiello

### INFORMAZIONI PERSONALI

COGNOME	GIARDIELLO
NOME	DANIELE
DATA DI NASCITA	28/11/1988

### TITOLI

#### TITOLO DI STUDIO

(indicare la Laurea conseguita inserendo titolo, Ateneo, data di conseguimento, ecc.)

Laurea Magistrale in Biostatistica e Statistica Sperimentale presso l'Università degli studi Milano-Bicocca in data 21/11/2012 con valutazione di 110/110 e lode  
Titolo della tesi: "Stima della densità una popolazione di Corvus Cornix mediante campionamento Line Transect"  
Relatore: prof. Piero Quatto  
Correlatore: prof. Riccardo Borgoni

Laurea Triennale in Statistica e Gestione delle Informazioni presso l'Università degli studi Milano-Bicocca in data 23/09/2010 con valutazione di 110/110 e lode  
Relatore: prof. Piero Quatto

#### TITOLO DI DOTTORE DI RICERCA O EQUIVALENTI, OVVERO, PER I SETTORI INTERESSATI, DEL DIPLOMA DI SPECIALIZZAZIONE MEDICA O EQUIVALENTE, CONSEGUITO IN ITALIA O ALL'ESTERO

(inserire titolo, ente, data di conseguimento, ecc.)

Dottorato di ricerca in Statistica Medica presso l'Università di Leiden (Paesi Bassi) conseguito in data 08/09/2022.  
Titolo della dissertazione: "Prediction of contralateral breast cancer - Statistical aspects and performance assessment"  
Repository: <https://scholarlypublications.universiteitleiden.nl/handle/1887/3455362>  
Supervisors: prof. MK Schmidt e prof. EW Steyerberg  
Co-supervisor: prof M Hauptmann

**CONTRATTI DI RICERCA, ASSEGNI DI RICERCA O EQUIVALENTI***(per ciascun contratto stipulato, inserire università/ente, data di inizio e fine, ecc.)*

06/04/2021 - 30/09/2022 Biostatistico presso EURAC Research (contratto a tempo determinato, supervisore Dr Cristian Pattaro). Progetto [PACE](#) finanziato dalla provincia autonoma di Bolzano

15/11/2016 - 28/02/2021 PhD candidate presso the Netherlands Cancer Institute (Amsterdam, NL) e Leiden University Medical Center (supervisors prof MK Schmidt e prof EW Steyerberg). La ricerca è stata finanziata da un grant ottenuto da Alpe d'HuZes/Dutch Cancer Society (KWF Kankerbestrijding) numero grant A6C/6253 con la partecipazione del Breast Cancer Association Consortium ([BCAC](#))

09/2014 - 06/2016 Statistico presso Istituto Nazionale Tumori di Milano (co.co.co, supervisore Dr Luigi Mariani).

04/2013 - 06/2014 Statistico presso Istituto Zooprofilattico della Lombardia ed Emilia Romagna (borsa di studio, supervisore: Dr Maria Grazia Zanoni)

**ATTIVITÀ DIDATTICA A LIVELLO UNIVERSITARIO IN ITALIA O ALL'ESTERO***(inserire periodo [gg/mm/aa inizio e fine], anno accademico, ateneo, corso laurea, numero ore, ecc.)*

12/2019: tutor del corso Basic Medical Statistics, 8 ore, presso il Netherlands Cancer Institute insieme al professor Michael Hauptmann, dr Kasia Jóźwiak, PhD students Sander Roberti & Anna Morra (in lingua inglese)

12/2018: tutor del corso Basic Medical Statistics, 8 ore, presso il Netherlands Cancer Institute insieme al professor Michael Hauptmann, dr Kasia Jóźwiak, PhD students Sander Roberti & Anna Morra (in lingua inglese)

**DOCUMENTATA ATTIVITÀ DI FORMAZIONE O DI RICERCA PRESSO QUALIFICATI ISTITUTI ITALIANI O STRANIERI;***(inserire anno accademico, ente, corso, periodo, ecc.)*

2022 - Mendelian randomization course (online), University of Cambridge (UK), <https://www.mendelianrandomization.com/index.php/online-course>

2019 - Applied Bayesian Statistics course, Utrecht University (the Netherlands), <https://armacad.info/utrecht-university--2019-01-03--utrecht-university-faculty-of-social-and-behavioural-sciences-courses-in-bayesian-statistics-15-18-april-2019-netherlands>

2018 - Cancer epidemiology course, the Netherlands Cancer Institute (the Netherlands) and Erasmus Medical Center (Rotterdam, the Netherlands)

2018 - Multiple imputation in practice, Utrecht University (the Netherlands)

2018 - Gaps in breast cancer research, the Netherlands Cancer Institute (Amsterdam, the Netherlands)

**REALIZZAZIONE DI ATTIVITÀ PROGETTUALE***(indicare, data, progetto, ecc.)*

06/04/2021 - 30/07/2022 realizzazione del progetto Partnership to Accelerate Covid-19 rEsearch in South Tyrol (PACE) finanziato dalla provincia autonoma di Bolzano riguardo la miglior conoscenza e caratterizzazione della malattia COVID-19

15/11/2016 - 28/02/2021 realizzazione del progetto di dottorato di ricerca finanziato da Alpe d'HuZes/Dutch Cancer Society (KWF Kankerbestrijding) numero di grant A6C/6253 riguardo la previsione del rischio del carcinoma mammario controlaterale

**ORGANIZZAZIONE, DIREZIONE E COORDINAMENTO DI GRUPPI DI RICERCA NAZIONALI E INTERNAZIONALI, O PARTECIPAZIONE AGLI STESSI***(per ciascuna voce inserire anno, ruolo, gruppo di ricerca, ecc.)*

2018 - Breast Cancer Association Consortium Meeting (BCAC), Edinburgh (UK), presentation "Prediction and clinical utility of a contralateral breast cancer risk prediction model"  
<https://bcac.ccge.medschl.cam.ac.uk/>

2018 - 2022 External member of (STRENGTHENING Analytical Thinking for Observational Studies) **STRATOS** initiative working in the topic group TG6 and TG8 (<https://stratos-initiative.org/en/groups>) . Two papers were published under these initiative:

McLernon DJ, **Giardiello D**, Van Calster B, Wynants L, van Geloven N, van Smeden M, Therneau T, Steyerberg EW, topic groups 6 and 8 of the **STRATOS** Initiative. Assessing performance and clinical usefulness in prediction models with survival outcomes: practical guidance for Cox proportional hazards models. Annals of Internal Medicine. 2023 Jan;176(1):105-14. DOI: <https://doi.org/10.7326/M22-0844>

Van Geloven N, **Giardiello D**, Bonneville EF, Teece L, Ramspek CL, Van Smeden M, Snell KI, Van Calster B, Pohar-Perme M, Riley RD, Putter H, Steyerberg EW on behalf of the **STRATOS** initiative Validation of prediction models in the presence of competing risks: a guide through modern methods. bmj. 2022 May 24;377. DOI: <https://doi.org/10.1136/bmj-2021-069249>

**ATTIVITÀ DI RELATORE A CONGRESSI E CONVEGNI NAZIONALI E INTERNAZIONALI***(inserire titolo congresso/convegno, data, ecc.)*

12th European Breast Cancer Conference (remote), 02-03/10/2020, Presentazione virtuale dal titolo "Prediction and clinical utility of a contralateral breast cancer risk prediction model", link: <https://www.eortc.org/event/european-breast-cancer-conference-ebcc-12/>

San Antonio Breast Cancer Symposium (SABCS), 10-14/12/2019, San Antonio (Texas, Stati Uniti), presentazione del poster: "Prediction and clinical utility of a contralateral breast cancer risk prediction model" link: <https://ascopost.com/Meetings/?m=2019+San+Antonio+Breast+Cancer+Symposium>

Challenges in Cancer Genetics, joint HEBON, IMPAHC and VKGN meeting, 07-08/11/2019, presentazione orale: "Prediction and clinical utility of a contralateral breast cancer risk prediction model", link: <https://www.avl.nl/agenda/2019/joint-meeting-2019/>

STRATOS initiative working group meeting TG2, TG6, TG7, Leida (Paesi Bassi), partecipante e membro esterno di due progetti STRATOS, link: <https://www.stratos-initiative.org/sites/default/files/2020-09/STRATOS-NewsLetter-1.pdf>

Breast Cancer Association Consortium (BCAC) meeting, 12-14/06/2018 Edinburgo (UK), presentazione: "Prediction and clinical utility of a contralateral breast cancer risk prediction model", link: <https://bcac.ccge.medschl.cam.ac.uk/meetings/>

Seminari in biostatistica, Università degli studi di Milano-Bicocca, 17/05/2018, presentazione orale: "Prediction of contralateral breast cancer", link: <https://www.unimib.it/eventi/prediction-contralateral-breast-cancer>

Survival analysis for junior researchers, 24-26/04/2018, Leida (Paesi Bassi), presentazione orale: "Prediction and clinical utility of a contralateral breast cancer risk prediction model", link: <https://www.universiteitleiden.nl/safjr2018>

11th European Breast Cancer Conference (remote), 21-23/03/2018, Presentazione virtuale dal titolo "Prediction and clinical utility of a contralateral breast cancer", link: <https://www.eortc.org/event/11th-european-breast-cancer-conference-ebcc-in-barcelona/>

## SUPERVISIONE E MENTORING

Co-supervisor dei seguenti studenti di dottorato: dr Daniely Alves, dr Hayra Andrade, Yuwei Wang (NKI, PhD candidate, <https://www.nki.nl/research/find-a-researcher/researchers/yuwei-wang/>) e attività di consulenza statistica presso the Netherlands Cancer Institute (Amsterdam, the Netherlands)

## PRODUZIONE SCIENTIFICA

### PUBBLICAZIONI SCIENTIFICHE

(per ciascuna pubblicazione indicare: nomi degli autori, titolo completo, casa editrice, data e luogo di pubblicazione, codice ISBN, ISSN, DOI o altro equivalente)

Barbieri, G, Pizzato, M, Gögele, M, **Giardiello, D**, Weichenberger, CX., Foco, L et al. Trends and symptoms of SARS-CoV-2 infection: a longitudinal study on an Alpine population representative sample. BMJ open, 2023 Jun; 13(6), e072650. DOI: <http://dx.doi.org/10.1136/bmjopen-2023-072650>

Austin PC, **Giardiello D**, van Buuren S. Impute-then-exclude versus exclude-then-impute: Lessons when imputing a variable used both in cohort creation and as an independent variable in the analysis model. Statistics in Medicine. 2023 May 10;42(10):1525-41. DOI: <https://doi.org/10.1002/sim.9685>

**Giardiello D**, Melotti R, Barbieri G, Gögele M, Weichenberger CX, Foco L, Bottigliengo D, et al. Determinants of SARS-Cov-2 Nasopharyngeal testing in a rural community sample susceptible of first infection: the CHRIS COVID-19 study. Pathogens and Global Health. 2023 Mar 31:1-0. DOI: <https://doi.org/10.1080/20477724.2023.2191232>

McLernon DJ, **Giardiello D**, Van Calster B, Wynants L, van Geloven N, van Smeden M, Therneau T, Steyerberg EW, topic groups 6 and 8 of the STRATOS Initiative. Assessing performance and clinical usefulness in prediction models with survival outcomes: practical guidance for Cox proportional hazards models. Annals of Internal Medicine. 2023 Jan;176(1):105-14. DOI: <https://doi.org/10.7326/M22-0844>

**Giardiello D**, Hoening MJ, Hauptmann M, Keeman R, Heemskerk-Gerritsen BA, Becher H, et al. PredictCBC-2.0: a contralateral breast cancer risk prediction model developed and validated in 200,000 patients. Breast Cancer Research. 2022 Dec;24(1):1-4. DOI: <https://doi.org/10.1186/s13058-022-01567-3>

Van Geloven N, **Giardiello D**, Bonneville EF, Teece L, Ramspek CL, Van Smeden M, Snell KI, Van Calster B, Pohar-Perme M, Riley RD, Putter H, Steyerberg EW on behalf of the STRATOS. Validation of prediction models in the presence of competing risks: a guide through modern methods. bmj. 2022 May 24;377. DOI: <https://doi.org/10.1136/bmj-2021-069249>

Buisman FE, **Giardiello D**, Kemeny NE, Steyerberg EW, Höppener DJ, Galjart B, et al. Predicting 10-year survival after resection of colorectal liver metastases; an international study including biomarkers and perioperative treatment. *Eur J Cancer*. 2022 Jun 1;168:25-33. DOI: <https://doi.org/10.1016/j.ejca.2022.01.012>

Austin PC, Putter H, **Giardiello D**, van Klaveren D. Graphical calibration curves and the integrated calibration index (ICI) for competing risk models. *Diagn Progn Res*. 2022 Dec;6(1):2. DOI: <https://doi.org/10.1186/s41512-021-00114-6>

van Seijen M, Lips EH, Fu L, **Giardiello D**, van Duijnhoven F, de Munck L, et al. Long-term risk of subsequent ipsilateral lesions after surgery with or without radiotherapy for ductal carcinoma in situ of the breast. *Br J Cancer*. 2021 Nov;125(10):1443-9. DOI: <https://doi.org/10.1038/s41416-021-01496-6>

van der Plas-Krijgsman\* WG, **Giardiello\* D**, Putter H, Steyerberg EW, Bastiaannet E, Stiggelbout AM, et al. Development and validation of the PORTRET tool to predict recurrence, overall survival, and other-cause mortality in older patients with breast cancer in the Netherlands: a population-based study. *Lancet Healthy Longev*. 2021 Nov 1;2(11):e704-11. DOI: [https://doi.org/10.1016/S2666-7568\(21\)00229-4](https://doi.org/10.1016/S2666-7568(21)00229-4)

Huber V, Di Guardo L, Lalli L, **Giardiello D**, Cova A, Squarcina P, et al. Back to simplicity: a four-marker blood cell score to quantify prognostically relevant myeloid cells in melanoma patients. *J Immunother Cancer*. 2021 Feb;9(2):e001167. DOI: <https://jitc.bmj.com/content/9/2/e001167>

Kramer I, Hoening MJ, Mavaddat N, Hauptmann M, Keeman R, Steyerberg EW, **Giardiello, D** et al. Breast Cancer Polygenic Risk Score and Contralateral Breast Cancer Risk. *Am J Hum Genet*. 2020 Nov 5;107(5):837-48. DOI: <https://doi.org/10.1016/j.ajhg.2020.09.001>

**Giardiello D**, Hauptmann M, Steyerberg EW, Adank MA, Akdeniz D, Blom JC, et al. Prediction of contralateral breast cancer: external validation of risk calculators in 20 international cohorts. *Breast Cancer Res Treat*. 2020 Jun;181(2):423-34. DOI: <https://doi.org/10.1007/s10549-020-05611-8>

**Giardiello\* D**, Kramer\* I, Hoening MJ, Hauptmann M, Lips EH, Sawyer E, et al. Contralateral breast cancer risk in patients with ductal carcinoma in situ and invasive breast cancer. *NPJ Breast Cancer*. 2020 Nov 3;6(1):60. DOI: <https://doi.org/10.1038/s41523-020-00202-8>

**Giardiello D**, Antoniou AC, Mariani L, Easton DF, Steyerberg EW. Letter to the editor: a response to Ming's study on machine learning techniques for personalized breast cancer risk prediction. *Breast Cancer Res*. 2020 Feb 10;22(1):17. DOI: <https://doi.org/10.1186/s13058-020-1255-4>

**Giardiello D**, Steyerberg EW, Hauptmann M, Adank MA, Akdeniz D, Blomqvist C, et al. Prediction and clinical utility of a contralateral breast cancer risk model. *Breast Cancer Res*. 2019 Dec 17;21(1):144. DOI: <https://doi.org/10.1186/s13058-019-1221-1>

Sobral-Leite M, Salomon I, Opdam M, Kruger DT, Beelen KJ, van der Noort V, **Giardiello, D** et al. Cancer-immune interactions in ER-positive breast cancers: PI3K pathway alterations and tumor-infiltrating lymphocytes. *Breast Cancer Res*. 2019 Aug 7;21(1):90. DOI: <https://doi.org/10.1186/s13058-019-1176-2>

Derks MGM, van de Velde CJH, **Giardiello D**, Seynaeve C, Putter H, Nortier JWR, et al. Impact of Comorbidities and Age on Cause-Specific Mortality in Postmenopausal Patients with Breast Cancer. *Oncologist*. 2019 Jul;24(7):e467-74. DOI: <https://doi.org/10.1634/theoncologist.2018-0010>

Akdeniz D, Schmidt MK, Seynaeve CM, McCool D, **Giardiello D**, van den Broek AJ, et al. Risk factors for metachronous contralateral breast cancer: A systematic review and meta-analysis. *Breast*. 2019 Apr;44:1-14. DOI: <https://doi.org/10.1016/j.breast.2018.11.005>

Necchi A, Sonpavde G, Lo Vullo S, **Giardiello D**, Bamias A, Crabb SJ, et al. Nomogram-based Prediction of Overall Survival in Patients with Metastatic Urothelial Carcinoma Receiving First-line Platinum-

based Chemotherapy: Retrospective International Study of Invasive/Advanced Cancer of the Urothelium (RISC). Eur Urol. 2017 Feb;71(2):281-9. DOI: <https://doi.org/10.1016/j.eururo.2016.09.042>

Necchi A, **Giardiello D**, Mariani L. Methodological Considerations for Early-phase Development of Immune Checkpoint Inhibitors in Urothelial Bladder Cancer. Eur Urol. 2017 May;71(5):840-1. DOI: <https://doi.org/10.1016/j.eururo.2016.09.044>

Tuccitto A, Tazzari M, Beretta V, Rini F, Miranda C, Greco A, **Giardiello D** et al. Immunomodulatory Factors Control the Fate of Melanoma Tumor Initiating Cells. Stem Cells. 2016 Oct;34(10):2449-60. DOI: <https://doi.org/10.1002/stem.2413>

Giacomini E, Ferrari N, Pitozzi A, Remistani M, **Giardiello D**, Maes D, et al. Dynamics of Mycoplasma hyopneumoniae seroconversion and infection in pigs in the three main production systems. Vet Res Commun. 2016 Jun;40(2):81-8. DOI: <https://doi.org/10.1007/s11259-016-9657-6>

Ferrari A, Lo Vullo S, **Giardiello D**, Veneroni L, Magni C, Clerici CA, et al. The Sooner the Better? How Symptom Interval Correlates With Outcome in Children and Adolescents With Solid Tumors: Regression Tree Analysis of the Findings of a Prospective Study. Pediatr Blood Cancer. 2016 Mar;63(3):479-85. DOI: <https://doi.org/10.1002/pbc.25833>

Raggi D, Mariani L, Giannatempo P, Lo Vullo S, **Giardiello D**, Nicolai N, et al. Prognostic reclassification of patients with intermediate-risk metastatic germ cell tumors: Implications for clinical practice, trial design, and molecular interrogation. Urol Oncol. 2015 Jul;33(7):332.e19. DOI: <https://doi.org/10.1016/j.urolonc.2015.04.008>

Chiari M, Ferrari N, **Giardiello D**, Lanfranchi P, Zanoni M, Lavazza A, et al. Isolation and identification of Salmonella spp. from red foxes (Vulpes vulpes) and badgers (Meles meles) in northern Italy. Acta Vet Scand. 2014 Dec 10;56:86. DOI: <https://doi.org/10.1186/s13028-014-0086-7>

*I nomi con (\*) hanno contribuito ugualmente alla ricerca*

Data

25 Ottobre 2023

Luogo

Milano