

UNIVERSITÀ DEGLI STUDI DI MILANO

Procedura di selezione per la chiamata a professore di II fascia da ricoprire ai sensi dell'art. 18, comma 1, della Legge n. 240/2010 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 Bioscienze,

(avviso bando pubblicato sulla G.U. 4a Serie Speciale - Concorsi ed Esami n. 49 del 18-6-2024 -) - Codice concorso 5556

ELENA COLICINO**CURRICULU VITAE**

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Associate Professor of Biostatistics and High-Dimensional Molecular Epidemiology

ESPERIENZA LAVORATIVA

Postdoctoral Research Fellow	07/01/2012 – 05/31/2016
Department of Environmental Health Harvard T.H. Chan School of Public Health, Boston, MA	
Postdoctoral Research Scientist,	06/01/2016 – 08/31/2017
Department of Environmental Health Sciences Columbia University Mailman School of Public Health, New York, NY	
Assistant Professor,	09/01/2017 – 02/28/2022
Division of Biostatistics, Department of Environmental Medicine and Public Health Icahn School of Medicine at Mount Sinai, New York, NY	
Associate Professor,	03/01/2022 – Present
Division of Biostatistics, Department of Environmental Medicine and Public Health Icahn School of Medicine at Mount Sinai, New York, NY	

ISTRUZIONE

Laurea – Economia, Statistica e Informatica per l'azienda	12/16/2004
Dipartimento di Economia Universita' Milano-Bicocca, Milano, Italia	
Master – Statistical Sciences and Economics, <i>summa cum laude</i>	04/18/2007
Dipartimento di Statistica Universita' Milano-Bicocca, Milano, Italia Mentori: Drs. Peretti A. e Quatto P.	
Ph.D. – Statistics	04/16/2012
Dipartimento di Scienze delle Decisioni Universita' Luigi Bocconi, Milan, Italy <u>Mentore:</u> Dr. Bonetti M. <u>Thesis title:</u> Dependence analysis: from subgroup population analysis to generalized Lorenz curve. <u>Focus della Ricerca:</u> Distorsione inferenziale legata alla dipendenza di sottogruppi di popolazioni: soluzioni e applicazioni in clinical trials del cancro al seno e in economia. (manuscripto #6 per un riassunto della PhD tesi)	
Postdoctoral Research Fellow	07/01/2012 – 05/31/2016
Department of Environmental Health Harvard T.H. Chan School of Public Health, Boston, MA <u>Mentore:</u> Andrea Baccarelli	

Focus della Ricerca: Epidemiologia ambientale e molecolare, con attenzione agli effetti dell'inquinamento atmosferico sulle funzioni cognitive in popolazioni anziane

Postdoctoral Research Scientist

06/01/2016 – 08/31/2017

Department of Environmental Health Sciences

Columbia University Mailman School of Public Health, New York, NY

Mentore: Andrea Baccarelli

Focus della Ricerca: Epigenetic ambientale, con attenzione alla metilazione del DNA come biomcatore e i suoi legami con l'invecchiamento, condizioni legati all'invecchiamento e mortalita.

CERTIFICATIONS

Statistics and Probability: Optimal Stopping. 07/2008
Drs G.Peskir and J.du Toit The Manchester University

Modern Methods in Biostatistics and Epidemiology. 07/2009
Dr. G.Fitzmaurice, Harvard University; Dr. P.Dickman, Karolinska Institute

LICENZE

Abilitazione Nazionale: 06/M1. II & I Fascia 2019-2028

AWARDS

Thesis Funding Award, Bareggio, Milano, Italia 04/2007

Borsa di studio nazionale. Universita' L. Bocconi, Milano, Italia 09/2007 – 08/2011

Borsa di studio nazionale. Universita' di Milano, Milano, Italia 02/2012 – 05/2012

Manoscritto fra i 10 migliori paper del 2017 dall'American Journal of Epidemiology and the Society for 2018
Epidemiologic Research. Titolo del manoscritto: "Ambient Fine Particulate Matter,
Outdoor Temperature and Risk of Metabolic Syndrome". Ruolo: Primo autore.

Editor's Highlight dalla Toxicological Sciences Journal in 2017. Titolo del manoscritto: "Long-term 2018
ambient particle exposures and blood DNA methylation age: findings from the VA normative aging study".
Ruolo: Statistico.

Top Italian Scientist (Biomedical Sciences) 2023
Overall Rank: 1761, Women Rank: 426

Team Science Award March 15, 2024

ALTRI RUOLI PROFESSIONALI

Eletta pappresentante degli studenti, PhD School, Universita' L.Bocconi, Milano, Italia 2008-2012

Membership:

- Membro dell'Editorial Review Board, Environmental Epigenetics 2016- present
- Membro, International Society of Environmental Epidemiology (ISEE) 2016- present
- Membro and Organizzatore, Rladies (i.e. women in STEM coding in R) in NewYork 2017- present
- Membro, Association for International Italian Researchers (AIRI) 2018- present
- Membro dell'Editorial Review Board, Reproductive Epidemiology: 2020- present
- Membro Society of Epidemiological Research (SER) 2020- present

Revisore di grant/finanziamenti (invited reviewer):

- P30 Pilot grant, Columbia University 08/2017
- Association for International Italian Researchers (AIRI) cicli: 2018, 2019, 2020 2018- 2020
Ruolo: biostatistico
- Health Effects Institute (HEI), ciclo di Marzo. Ruolo: biostatistico 2021
- Scientific Advisory Board: SALMON Trial, ciclo di Giugno. Ruolo: biostatistico 2021
- Israel Science Foundation, ciclo di Febbraio. Ruolo: biostatistico 2022
- Ad hoc grant reviewer for Outstanding New Environmental Scientist (ONES) Program 2022
National Institute of Health – Environmental Science Branch (NIEHS).
- Ad hoc grant reviewer for Fondazione Italiana Sclerosi Multipla (FISM) Program 2023 (Giugno)
- Ad hoc reviewer for Pregnancy and Neonatology Study Section 2023 (Giugno)
National Institute of Health – Environmental Science Branch (NIEHS).
- Ad hoc grant reviewer for Fondazione Italiana Sclerosi Multipla (FISM) Program 2024 (Giugno)

Visiting and membro delle commissioni:

- Advisor: The Career MODE program: Careers through Mentoring and training in Omics and Data for Early-stage investigators, Columbia University program 2022-present
- Visiting Professor, University of Genoa, Italy, 04/2023
- External Thesis Committee member Universidad de Valencia, Spain
Dr. Arce Domingo-Relloso, 2023
Dr. Zulema Rodriguez Hernandez 2025

PROFILO DI RICERCA

I miei principali interessi coinvolgono sia la biostatistica che l'epidemiologia ambientale, con particolare attenzione all'epidemiologia molecolare di grandi dimensioni.

I miei lavori di biostatistica si focalizzano nello sviluppare metodi statistici Bayesiani per miscugli di esposizioni ambientali. Negli ultimi anni, ho esteso un metodo frequentista nato per miscugli di esposizioni ambientali all'ambito Bayesiano per superare le limitazioni dell'approccio classico, e ho arricchito questo metodo Bayesiano con una struttura ad effetti misti per accomodare traiettorie degli outcome. Mi hanno anche finanziato per espandere questo approccio Bayesiano per aumentare la generalizzabilità dei risultati sui miscugli di esposizioni ambientali quando si analizzano molteplici studi di popolazione ([NIH – Duke University U2C OD023375-05](#)).

Il mio lavoro applicativo si focalizza sulla scoperta di esposizioni ambientali che sono dannose per la salute materna, e sulla identificazione di biomarcatori molecolari di grandi dimensioni che possono inasprire, riflettere e predire gli effetti dannosi sulla salute. Ho recentemente vinto un finanziamento ([R01: NIEHS R01 ES032242](#)) per investigare il ruolo delle esposizioni a particolato sottile e stress durante la gravidanza in relazione alla risposta cardio-metabolica materna e per determinare come queste associazioni cambiano a seconda di biomarcatori epigenetici e metabolomici.

Durante gli anni di postdoctoral training, ho ricostruito delle concentrazioni ambientali di un metallo tossico (piombo) in due esposizioni temporali basandomi da biomarcatori epigenetici di grandi dimensioni facendo leva della mia esperienza con algoritmi di machine-learning; in seguito questi algoritmi predittivi sono stati adattati ad altre popolazioni con le stesse informazioni epigenetiche ma senza informazioni sul piombo. Per avere delle predizioni

piu' accurate sulle esposizioni ambientali in popolazioni eterogenee, sto arricchendo questi predittori con errore di propagazione.

In risposta alle richieste del dipartimento di statistica applicata e supporto per i fondi, organizzo e dirigo meetings bimensili (Bayesian Working Group), dove sia i trainees che i professori possono avere il supporto per la loro ricerca e posso ampliare la loro esperienza in statistica Bayesiana. Per facilitare la riproducibilita' nella scienza e supportare applicazioni, ho creato due pacchetti statistici per il software R, e salvo la maggior parte dei miei codici sono dei repository pubblici.

INCLUSIONE DELLA DIVERSITA'

Nella mia carriera, i miei mentori e istituzioni hanno fornito un ambiente lavorativo equo per donne in Scienza, Tecnologia, Ingegneria e Matematica (STEM), quale sono io. La cultura istituzionale diversificata e l'implementazione di strategie educative del laboratorio in cui ero inserita ha creato un circolo virtuoso in cui sono cresciuta scientificamente e personalmente. Con queste esperienze positive e arricchenti, ho iniziato collaborazioni con gruppi di ricercatori diversi etnicamente e ho contribuito con la mia ricerca a capire disparita sociali a New York city (pubblicazione [# 65](#)). Riconosco di essere stata privilegiata avendo incontrato durante il mio percorso mentori e colleghi in grado di supportarmi, e cosi ho iniziato a promuovere la cultura STEM tra le donne a New York unendomi, come organizzatrice e membro, alle R-ladies nel 2017. Questo gruppo facilita la collaborazione tra le donne e minoranze sia in accademia che in industria sfruttando il software di programmazione R.

ESPERIENZA DI MENTORING

Sono stata mentore di alcuni postdoctoral fellows in collaborazione con degli altri professori del Department of Environmental Medicine and Public Health at Mount Sinai. Insieme ai postdoctoral fellows stiamo attivamente scrivendo dei manoscritti. Inoltre ho coinvolto un postdoctoral fellow nel Epigenetic Boot-Camps, che si sono tenuti dal 2018-2023, al fine di supportare le sessioni computazionali. I commenti riguardo quelle sessioni sono state estremamente positive. Infine, ho aiutato un postdoctoral fellow con codici statistici e una spiegazione considerevole del metodo statistico (pubblicazione: [# 65](#)); il nostro lavoro e' ora considerato per una pubblicazione su *Nature Communications*.

Ho infine fatto da mentore a un candidato di PhD in Biostatistics e uno studentessa di Master di Statistica dell'Universita Milano-Bicocca, e due studenti di Master del Biostatistics Department at Columbia University. Durante la loro tesi, ho fornito supporto con meeting regolari e descrizioni analitiche dei metodi applicati. Ho anche incoraggiato gli studenti del master a conseguire un PhD in Biostatistics e uno di loro e' stato inserito con successo nel PhD program dell'University of Pittsburgh nel 2020. Due manoscritti scritti con la collaborazione di questi studenti sono attualmente in fase di sottomissione.

GRANTS, FINANZIAMENTI, E SUPPORTI DI FONDAZIONI

Fonte del Finanziamento, Titolo & Numero	Ruolo nel Progetto	Date	Costi Diretti Totali	Informazioni Supplementali
NIEHS P30 Pilot P30 ES023515 Metal exposure and brain autoantibodies in pregnancy and child neurodevelopment	Principal Investigator (PI)	7/1/18-6/30/22	\$20,000	Contact PI: Colicino, E. MPI: Colicino, E. Laserson U.
NIH R01 ES013744 Stress Chemical Interactions and Neurobehavior in School Age Children	Co-Investigator: Statistician working on mixture approaches for chemical interactions	9/1/17-7/31/22	\$619,651	PI: Wright, RO
NIEHS U2C ES026555	Co-Investigator: Statistician	9/30/15-	\$1,346,924	PI: Teitelbaum, S

CHEAR/HHEAR Center for Data Science	supporting Data Center with analyses	8/31/25		
NIEHS P30 ES23515 The Mount Sinai Transdisciplinary Center on Early Environmental Exposures	Co-Investigator: Statistician supporting other PIs' works with analyses	6/18/14-3/31/23	\$999,543	PI: Wright, RO
NIEHS P30 Pilot P30 ES023515 Ambient air pollution, lipidomics, and overweight/obesity in an Italian adolescent cohort	Principal Investigator (PI)	7/1/19-6/30/22	\$20,000	Contact PI: Colicino, E. MPI: Colicino E. Niedzwiecki, M.
NCMHHD MD013310 Maternal trauma, circulating microRNA in extracellular vesicles, and programming of childhood respiratory outcomes	Co-Investigator: Statistician providing approaches to analyze jointly multiple exposures, and multiple molecular markers	9/18/18-5/31/23	\$549,169	PI: Lee, AG
NIOSH 1 U01 OH011314 Structural and Functional Neuroimaging of Post-Traumatic Stress Disorder and Cognitive Impairment in World Trade Center Responders	Co-Investigator: Statistician	9/01/16-8/31/20	\$599,715	PI: Lucchini
NIH-Harvard School of Public Health SPP1, ES029097 Oxidative Stress, and Lead Toxicity	Co-Investigator: Statistician	9/30/18-8/31/23	\$33,713	PI: Lu, Q. (Subcontract)
NIEHS R01 ES030302 Prenatal metal mixtures and neurodevelopment: Role of placental extracellular microRNAs	Co-Investigator: Statistician	4/01/19-3/31/24	\$494,259	MPI: Li Q, Wright RJ
NIEHS U2C ES026555 Human Health Exposure Analysis Resource (HHEAR) Data Center	Co-Investigator: Statistician supporting Data Center with analyses	8/1/19-7/31/24	\$1,619,083	PI: Teitelbaum, S
NIEHS U2C ES026561 Mount Sinai HHEAR Network Targeted Lab Hub	Co-Investigator: Statistician supporting the Lab with analyses	9/5/19-5/31/24	\$766,962	PI: Wright, RO
NIH OH012075 Risk and resilience factors for adverse mental and physical health outcomes related to WTC exposure	Co-Investigator: Statistician providing novel approaches to analyze multiple exposures	7/1/20-6/30/22	\$234,205	PI: Horton, M.
NIOSH OH012068 The Aging Process of WTC Responders: Assessment and Consequences of Frailty	Co-Investigator: Statistician	7/1/20-6/30/22	\$293,973	PI: Ornstein, K.
NIH – Duke University (Subcontract) Cross-cohort mixture analysis: prenatal metals exposure and birth outcomes	Principal Investigator (PI)	9/1/20-8/31/22	\$50,820	PI: Colicino E.
NIEHS R01 ES032242 Air Particulate Pollution and Stress: Effects and Mechanisms for Long-term Maternal Obesity Risks	Principal Investigator (PI)	7/1/20-6/30/25	\$377,659	Contact PI: Colicino E MPI: Colicino E. Baccarelli, A.
NIEHS P30 Pilot P30 ES023515 Air Pollution, Mitochondrial Heteroplasmy, and Vaccine Efficacy in Children	Principal Investigator (PI)	7/1/22-6/30/24	\$25,000	Contact PI: He M MPI: He, M. Yitshak-sade, M. Colicino, E.
NIEHS R01: Lung Function and metals in pregnancy	Co-Investigator: Statistician	7/1/22-6/30/27	Funded	PI: Rosa
NIEHS R01: Extreme temperature, humidity, air pollution and spontaneous preterm birth	Co-Investigator: Statistician	2/1/22-1/31/27	Funded	PI: Just
NIEHS R01: Teeth metals and brain development	Co-Investigator: Statistician	9/1/21-8/31/26	Funded	PI: Horton
NIEHS R01 ES034521 Early-life metal exposures, mitochondrial heteroplasmy, and child antibody response to vaccination	PI	9/1/22-6/30/27	\$609,805	Contact PI: Colicino E MPI: Colicino E. Jusko, T.

NIEHS P30 Pilot P30 ES023515 Metal exposures and bone health in women during reproductive aging	PI	7/1/19-6/30/21	\$25,000	Contact PI: Colicino, E. MPI: Colicino E. Petrick L.
NIEHS P30 Pilot P30 ES023515 Exposure to Per- and Polyfluoroalkyl Substances and Functional Ovarian Reserve in Midlife	PI	7/1/19-6/30/21	\$25,000	Contact PI: Petrick L. MPI: Colicino E. Petrick L.
NIEHS R01: Teeth metals and brain development	Co-Investigator: Statistician	9/1/21-8/31/26	Funded	PI: Horton

MPI: Multiple Principal Investigator

Pending Grant

Fonte del Finanziamento, Titolo & Numero	Ruolo nel Progetto	Date	Costi Diretti Totali	Informazioni Supplementali
NIEHS R01: Metabolites and post partum depression	Co-Investigator: Statistician	9/1/25-8/31/30	\$XXX	MPI: Niedzwiecki; Petrick
NIEHS R21: Metabolites and testicular cancer	Co-Investigator: Statistician	9/1/22-8/31/23	\$XXX	PI: Petrick
NIEHS R01: PM and Cardiovascular disease	Co-Investigator: Statistician	9/1/22-8/31/26	\$XXX	MPI: Lee; Jack

TRAINEES

Nome	Livello del Trainee	Ruolo nel Training & Date	Training Venue	Trainees' Status/Employment
Nicolo' Foppa Pedretti	MSc., Statistician II	Ruolo: Bayesian training 11/02/2019-04/2024	Biostatistics	MSc. Statistician II at Mount Sinai, New York, NY, USA
Shuwai Liu	MSc. candidate, Columbia University	Ruolo: Bayesian training 10/2019-05/2020	Biostatistics	PhD in Biostatistics, Univ. Of Pittsburgh, PA, USA
Huabein Ge	MSc. candidate, Emory University	Ruolo: Bayesian training 10/2019-02/2020	Biostatistics	Staff at Emory University
Nicola Pesenti	PhD Candidate, Univ. Milano-Bicocca, Milan, Italy	Ruolo: Bayesian training jointly with Drs. Quatto & Zambon 08/2019-Present	Biostatistics	PhD Candidate Univ. Milano-Bicocca, Milan, Italy
Lucia Gerbi	MSc. Candidate, Univ. Milano-Bicocca, Milan, Italy	Ruolo: Correlatore 08/2022-Present	Biostatistics	MSc. Candidate, Univ. Milano-Bicocca, Milan, Italy
Aurora Scotti	MSc. Candidate, Univ. Milano-Bicocca, Milan, Italy	Role: External advisor 03/2023-Present	Biostatistics	MSc. Candidate, Univ. Milano-Bicocca, Milan, Italy
Viola Cabrini	MSc. candidate, Emory University	Role: External advisor 03/2023-Present	Biostatistics	MSc. Candidate, Univ. Milano-Bicocca, Milan, Italy
Luca Sammarini	PhD Candidate, Univ. Milano-Bicocca, Milan, Italy	Role: External advisor 06/2023-Present	Biostatistics	MSc. Candidate, Univ. Milano-Bicocca, Milan, Italy
Luigi Annichiarico	MSc. Candidate, Univ. Milano-Bicocca, Milan, Italy	Role: External advisor 06/2023-08/2023	Biostatistics	MSc. Candidate, Univ. Milano-Bicocca, Milan, Italy
Alexandra Chirvasuta	MSc. Candidate, Univ. Milano-Bicocca, Milan, Italy	Role: External advisor 05/2023-Present	Biostatistics	MSc. Candidate, Univ. Milano-Bicocca, Milan, Italy

Jesse Goodrich	Postdoctoral fellow at University of Southern California	Role: Mentor Career MODE program 08/2022-06/2023	Biostatistics/ Molecular Epidemiology	Assistant Professor at University of Southern California, Los Angeles, CA
Hachem Saddiki	Post-doctoral Fellow, Mount Sinai	Role: Mentor 01/2023-present	Biostatistics/ Molecular Epidemiology	Post-doctoral Fellow, Mount Sinai
Sandra India-Aldana	Post-doctoral Fellow, Mount Sinai	Role: Mentor 03/2023-Present	Biostatistics/ Molecular Epidemiology	Post-doctoral Fellow, Mount Sinai
Carolina Vivas Valencia	Assistant Professor University of Texas, TX	Role: Mentor Career MODE program 08/2023-06/2024	Biostatistics/ Molecular Epidemiology	Assistant Professor at University of Texas, TX
Svensson, Katherine	Post-doctoral Fellow, Mount Sinai (USA) and Karlstads Universitet (Sweden)	Role: Mentor 03/2024-Present	Biostatistics	Post-doctoral Fellow, Mount Sinai and lecturer at Karlstads Universitet (Sweden)
Azzurra Invernizzi	Post-doctoral Fellow, Mount Sinai	Role: Mentor 03/2023-Present	Biostatistics/ Molecular Epidemiology	Post-doctoral Fellow, Mount Sinai

ATTIVITA' DI INSEGNAMENTO

Attività di Insegnamento	Livello	Ruolo	Livello e Numero di studenti, e sede di insegnamento	Numero di ore	Anno Accademico
Applied Linear Model II	MPH	Instructor	MPH Students (60), Mount Sinai	24 ore (Spring II)	2024
Epigenetic Bootcamp: Planning and Analyzing DNA Methylation Studies.	PhD/M PH/MD	Instructor	Graduate students (61), Columbia University Mailman School of Public Health	16 ore (Summer I)	2024
Applied Linear Model II	MPH	Instructor	MPH Students (60), Mount Sinai	24 ore (Spring II)	2023
Epigenetic Bootcamp: Planning and Analyzing DNA Methylation Studies.	PhD/M PH/MD	Instructor	Graduate students (61), Columbia University Mailman School of Public Health	16 ore (Spring I)	2023
Applied Linear Model II	MPH	Instructor	MPH Students (60), Mount Sinai	24 ore (Spring II)	2022
Epigenetic Bootcamp: Planning and Analyzing DNA Methylation Studies.	PhD/M PH/MD	Instructor	Graduate students (61), Columbia University Mailman School of Public Health	16 ore (Spring I)	2022
Applied Linear Model II	MPH	Instructor	MPH Students (50), Mount Sinai	24 ore (Spring II)	2021
Epigenetic Bootcamp: Planning and Analyzing DNA Methylation Studies.	PhD/M PH/MD	Instructor	Graduate students (61), Columbia University Mailman School of Public Health	16 ore (Spring I)	2021
Big Data Epidemiology: Introduction to OMICS research	MPH	Instructor	MPH Students (10), Mount Sinai	2 ore (Spring II)	2021
Epigenetic Bootcamp: Planning and Analyzing DNA Methylation Studies.	PhD/M PH/MD	Instructor	Graduate students (61), Columbia University Mailman School of Public Health	16 ore (Spring I)	2020
Applied Linear Model II	MPH	Instructor	Studenti del MPH in Biostatistics (60), Mount Sinai	24 ore (Spring II)	2020
Epigenetic Bootcamp:	PhD/M	Instructor	Graduate students (61), Columbia	16 ore	2019

Planning and Analyzing DNA Methylation Studies.	PH/MD		University Mailman School of Public Health	(Spring I)	
Epigenetic Bootcamp: Planning and Analyzing DNA Methylation Studies.	PhD/M PH/MD	Instructor	Graduate students (61), Columbia University Mailman School of Public Health	16 ore (Spring I)	2018
Analysis of Environmental Health Data	MPH	Instructor	Studenti del MPH di Environmental Health Sciences (26), Columbia University	42 ore (Spring I & II)	2017
Epigenetic Bootcamp: Planning and Analyzing DNA Methylation Studies.	PhD/M PH/MD	Instructor	Graduate students (61), Columbia University Mailman School of Public Health	32 ore (Spring II, Fall I)	2017
Statistics for Econometrics	PhD	Teaching Assistant	Studenti del PhD di Econometrics and Finance (11), Bocconi University	12 ore/anno	2012
Statistica	Laurea	Assistente	Studenti della Laurea di Economia (27), Università Bocconi	48 ore/anno	2012
Analisi dei Dati	Master	Assistente	Studenti del Master di Economia (20), Università Statale di Milano	10 ore/anno	2012
Probabilità e Statistica	Laurea	Assistente	Studenti della Laurea di Statistica (40), Università di Milan-Bicocca	12 ore/anno	2010
Inferenza Statistica	Laurea	Assistente	Studenti della Laurea di Statistica (60), Università di Milan-Bicocca	12 ore/anno	2007
Statistica Ambientale	Laurea	Assistente	Studenti della Laurea di Statistica (30), Università di Milan-Bicocca	30 ore/anno	2006 & 2007

Nota: Instructor implica l'organizzazione del corso.

SUPPORTO AMMINISTRATIVO DI LEADERSHIP

Internal

Statistico nei Journal Clubs del Dipartimento 2018- present

Department of Environmental Medicine and Public Health; Icahn School of Medicine at Mount Sinai

I seminari bimensili includono tutti i trainees e facilitano la ricerca tra trainees attraverso discussioni di manoscritti peer-reviewed. I ricercatori senior del Dipartimento supportano i trainees discutendo con loro gli argomenti proposti.

I trainees supportati durante gli anni:

Sandy Wong 06/07/2018

Elza Rechtman 12/06/2018

Laura McGuinn 05/23/2019

Daniel Carrion 02/06/2020

Leader e organizzatore per il Bayesian Working Group (insieme a Dr. DeFelice) 2020- present

Department of Environmental Medicine and Public Health; Icahn School of Medicine at Mount Sinai

I seminari bimensili includono tutti i trainees e professori che lavorano con statistica Bayesiana e invitano speaker la cui ricerca si allinea con gli obiettivi del dipartimento e si incentra su metodi Bayesiani.

External

Chair insieme a David Savitz (Brown University): 08/26/2019

Nome della Committee: Cardiometabolic effects of chemical exposures (Session 18)

International Society of Environmental Epidemiology (ISEE): Utrecht, the Netherlands

Chair con Stefano Calza (Università di Brescia): 02/27-28/2021

Nome della Committee: Trainees and Early Investigators' Lightning Talks

2021 USA-European Exposome Symposium: Web-conference

Organizer & Moderator

- Exposome Symposium (at Brescia University, Italy):

04/28-30/2023

Colicino P.8

External Mentorship

2022-present

The Career MODE program: Careers through Mentoring and training in Omics and Data for Early-stage investigators
Mentees: *Dr. Jesse Goodrich* (Department of Population and Public Health Sciences at the University of Southern California.), *Dr. Carolina Vivas-Valencia* (Biomedical Engineering, The University of Texas at San Antonio), *Dr. Mike He* (Mount Sinai)

Revisore ad-hoc per:

Giornali di alto impact factor:

Nature Communications (2020);

Scientific Report (2021)

Giornali di Environmental Health:

Environmental Health Perspective (2017, 2018, 2019, 2021),

Environmental Research (2017, 2019, 2020, 2021),

International Journal of Hygiene and Environmental Health (2018, 2019),

Environmental International (2018, 2020):

Giornali di Epigenomica:

Epigenomics (2019,2020)

Epigenetics (2020)

PUBBLICAZIONI

Riassunto: Ho un totale di 139 manoscritti peer-reviewed (23 come primo o co-primo autore, 14 come secondo autore, 6 come autore senior). Dal 2018, ho creato 2 pacchetti per il software R. **H-score:** 37 and **citations:** 7386.

Contributi Originali in giornali peer-reviewed

2012

- 1) Margaritella, N; Mendozzi, L; Garegnani, M; **Colicino, E**; Gilardi, E; Deleonardis, L; Tronci, F; Pugnetti, L. Sensory evoked potentials to predict short-term progression of disability in multiple sclerosis. *Neurological Sciences*; 33(4):887-892; 2012. Role: Statistician
- 2) Margaritella, N; Mendozzi, L; Garegnani, M; Nemni, R; **Colicino, E**; Gilardi, E; Pugnetti, L. Exploring the predictive value of the evoked potentials score in MS within an appropriate patient population: a hint for an early identification of benign MS? *BMC neurology*; 12(1):80; 2012. Role: Statistician

2013

- 3) Margaritella, N; Mendozzi, L; Tronci, F; **Colicino, E**; Garegnani, M; Nemni, R; Gilardi, E; Pugnetti, L. The evoked potentials score improves the identification of benign MS without cognitive impairment. *European journal of neurology*; 20(10):1423-142; 2013. Role: Statistician

2014

- 4) **Colicino, E**; Power, MC; Cox, DG; Weisskopf, MG; Hou, L; Alexeeff, SE; Sanchez-Guerra, M; Vokonas, P; Spiro III, A; Schwartz, J; Baccarelli AA. Mitochondrial haplogroups modify the effect of black carbon on age-related cognitive impairment. *Environmental Health*; 13(1):42; 2014
- 5) Prada, D*; **Colicino, E***; Power, MC; Cox, DG; Weisskopf, MG; Hou, L; Spiro III, A; Vokonas, P; Zhong, J; Sanchez-Guerra, M; Herrera, LA; Schwartz, J; Baccarelli AA. Influence of multiple APOE genetic variants on cognitive function in a cohort of older men—results from the Normative Aging Study. *BMC psychiatry*; 14(1):223; 2014 (* equal contribution)
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- 139) Zhang, X; **Colicino, E;** Cowell, W; Bosquet Enlow, M; Kloog, I; Coull, Ba; Schwartz, JD; Wright, RO; Wright, RJ. Prenatal exposure to air pollution and BWGA Z-score: Modifying effects of placenta leukocyte telomere length and infant sex *Environmental Research* 246, 117986

Manuscripts under Review:

- 140) **Colicino, E;** Ascari, R; Saddiki, H; Merced-Nieves, F; Pedretti, NF; Huddleston, K; Wright, RO; Wright RJ. Cross-cohort mixture analysis: a data integration approach with applications on gestational age and DNA-methylation-derived gestational age acceleration metrics. *Medrxiv* 2023
- 141) Gutiérrez-Avila, Iván; Riojas-Rodríguez, Horacio; **Colicino, E;** Rush, H; Tamayo-Ortiz, Mela; Borja-Aburto, Víctor Hugo; Just, A; Daily exposure to PM2. 5 and 1.5 million deaths: A time-stratified case-crossover analysis in the Mexico City Metropolitan Area *medRxiv*;:2023.01. 15.23284576; 2023

Altre Pubblicazioni Peer Reviewed: sviluppo di software

- Cannas, M; Arpino, B; **Colicino, E.** CMatching: Matching Algorithms for Causal Inference with Clustered Data. R-package, v2019 2019

Altre Pubblicazioni Non-Peer Reviewed

- Foppa-Pedretti, N; **Colicino E.** BWQS package (<https://github.com/ElenaColicino/bwqs>) 2020

RISORSE MEDIATICHE EDUCATIVE

Online Ergon Professional Hub: comunita' di professionisti designata per amentare le opportunita' di carriera e lo sviluppo di nuove competenze.

- Titolo: Career in healthcare analytics 07/2020
- Titolo: The Emergence and Future of Data Science (accompagnata da Dr. Jeff Goldsmith) 09/2020
- Titolo: Experience in Data Science 02/2021

Materiale di programmazione statistica:

- **Colicino E.** Contributor to codes for Epigenetic Analyses, together with Drs. Cardenas, Heiss, Just 2017-present
- Cannas, M; Arpino, B; **Colicino, E.** CMatching: Matching Algorithms for Causal Inference with Clustered Data. R-package, v2019 2019
- Foppa-Pedretti, N; **Colicino E.** BWQS R-package & vignette (<https://github.com/ElenaColicino/bwqs>) 2020
- **Colicino E.** Bayesian Factor Analysis for interaction on Untargeted Metabolomics (https://github.com/ElenaColicino/PRISM_Birthweight_Metabolomics) 2021

INVITI A LEZIONI/ PRESENTAZIONI

Karolinska Institutet, Stockholm, Sweden. Dep. of Biostatistics Titolo: Dependence: from subgroup analyses to generalized Lorenz curve.	11/2011
Harvard T.H. Chan School of Public Health Boston, MA USA. Titolo: Epigenome-Wide DNA Methylation Data: handling and analyzing big-data. Invited Speaker within the course Environmental Epigenetics (BPH 326).	06/2015
Harvard T.H. Chan School of Public Health Boston, MA USA. Titolo: Epigenome-Wide DNA Methylation Data and survival. Invited Speaker within the course Environmental Epigenetics (BPH 326).	06/2016
Symposium at the International Society for Environmental Epidemiology Conference, Rome, Italy Instructor. Epigenetics: Analyzing DNA Methylation Studies.	08/2016
R-ladies NYC meet-up, Flatiron Health, New York, NY, USA. Titolo: Fingerprint of Lead Exposure in US population.	01/2017
University of Milano Bicocca, Milan, Italy. Titolo: Developing DNA Methylation Biosensors of Environmental Exposure	04/2018
University of Brescia, Brescia, Italy. Titolo: Statistical methods for Epigenomics.	04/03/2019
University of Salento, Lecce, Italy. Titolo: Statistical methods for epigenetics and their link to metal exposures.	04/06/2019
Symposium at the International Society for Environmental Epidemiology (ISEE) Conference, Utrecht, the Netherlands. Organizer and Invited Speaker. Titolo: Mixtures Analysis with Weighted Quantile Sum (WQS) Regression and its Extensions. Invited speakers: Gennings C, Curtin P, Tanner E, Renzetti S, Colicino E.	08/25/2019
Cyprus Intern. Inst. of Environmental and Public Health; Univ. of Technology, Limassol, Cyprus Titolo: The Bayesian Weighted Quantile Sum Regression.	09/05/2019
University of Southern California, Los Angeles, CA, USA (virtual) Titolo: From classical to the Bayesian Weighted Quantile Sum Regression	10/01/2019
Icahn School of Medicine New York, NY, USA. Ground Rounds Ground Rounds at Environmental Health and Preventive Medicine Titolo: The Bayesian Weighted Quantile Sum Regression	12/2019
Berkeley and Columbia Superfund Research Programs: Metals Epigenetics Titolo: DNA Methylation Biomarkers of Lead Exposure	06/24/2020
University of California, Berkley, CA, USA: Bay Area Mixtures Meeting Titolo: From classical to the Bayesian Weighted Quantile Sum Regression	07/16/2020
Duke University, The Environmental influences on Child Health Outcomes (ECHO) program Titolo: Cross-cohort mixture analysis: prenatal metal exposures & birth outcomes	09/10/2020
NIH Human Health Exposure Analysis Resource (HHEAR) meeting Title: Data integration for mixture analysis: the importance of the HHEAR data repository	06/24/2021

University of Genoa, Department of Biostatistics Titolo: Machine learning and mixture approaches for environmental health data	06/30/2021
University of Padua, Unit of Biostatistics, Epidemiology and Public Health Titolo: Machine learning and mixture approaches for environmental health data	07/16/2021
Columbia Mailman School of Public Health, New York, NY, USA. Invited Instructor, Epigenetic Bootcamp: Planning and Analyzing DNA Methylation Studies.	02/15-16/2022
Columbia Mailman School of Public Health, New York, NY, USA. Invited Instructor, Epigenetic Bootcamp: Planning and Analyzing DNA Methylation Studies.	06/27-28/2022
University of Genoa, Italy Invited Speaker: Data Analysis for Environmental Health	04/14/2023
University of Tel-Aviv Invited Speaker: High-dimensional molecular data for environmental health	04/17/2023
Columbia Mailman School of Public Health, New York, NY, USA. Invited Instructor, Epigenetic Bootcamp: Planning and Analyzing DNA Methylation Studies.	06/28-29/2023

PRESENTAZIONI VOLONTARIE: ABSTRACTS IN MEETINGS NATIONALI E INTERNAZIONALI

International Society for Environmental Epidemiology (ISEE) Conference, Basel, Switzerland. Colicino, E ; Giuliano, G; Power, MC; Lepeule, J; Wilker, EH; Vokonas, P; Brennan, KJM; Fossati, S; Hoxha, M; Spiro III, A; Weisskopf, MG; Schwartz, J; Baccarelli, AA. Single Nucleotide Polymorphisms in MicroRNA Processing Genes and Susceptibility to the Effects of Black Carbon on Cognition in a Cohort of Older Men. (Oral)	08/2013
International Society for Environmental Epidemiology (ISEE) Conference, Basel, Switzerland Colicino, E ; Power, MC; Cox, DG; Weisskopf, MG; Hou, L; Alexeeff, SE; Sanchez-Guerra, M; Vokonas, P; Spiro III, A; Schwartz, J; Baccarelli AA. Mitochondrial Haplogroup Clusters Modify the Effect of Black Carbon on Age-related Cognitive Impairment. (Poster)	08/2013
The Program in Quantitative Genomics (PQG) Conference, Boston, MA Carmona, J; Barfield, R; Just, A; Colicino, E ; Testa, P; Pafundi, P; Mehta, A; Peng, C; Chen, J; Schwartz, J; Baccarelli AA. DNA methylation signatures in the Normative Aging Study: Epigenome-wide association analyses of air pollution exposure, biological aging, metabolism, and lung function decline. <u>Ruolo: Statistico</u> . (Poster)	11/2013
International Society for Environmental Epidemiology Conference, Seattle, WA, USA Colicino, E Wilson, A; Frisardi, MC; Prada, D; Power, MC; Hoxha, M; Dioni, L; Spiro III, A; Vokonas, P; Weisskopf, MG; Schwartz, J; Baccarelli AA. Blood Telomere Length as Modifier of the Association between Long Term Exposure to Traffic Particles and Cognition in Aging Men (Oral)	09/2014
Conference of American Heart Association (AHA), Chicago, IL, USA Zhong, J; Colicino, E ; Lin, X; Mehta, A; Kloog, I; Zanobetti, A; Byun, HM; Bind, Ma; Cantone, L; Prada, D; Tarantini, L; Sparrow, D; Vokonas, P; Schwartz, J; Baccarelli AA. Toll-like receptor 2 methylation and dietary flavonoid intake modify the association between fine particle exposure and cardiac autonomic dysfunction: The normative aging study. Abstract on Circulation;130 suppl_2; A15898-A15898; <u>Ruolo: Statistico</u> (Orale)	11/2014
International conference and Exhibition on Biometrics and Biostatistics, San Antonio, TX, USA Pennoni, F; Bartolucci, F; Baccarelli, A; Colicino, E ; Vittadini, G; Causal analysis of the relation between epigenetic pathways and air pollution based on the joint use of mixed latent Markov models and the propensity score method. Abstract: Journal of Applied and Computational Mathematics;4:38; 2015; <u>Ruolo: Statistico</u> (Orale)	11/2015

- International Society for Environmental Epidemiology Conference, Rome, Italy. 08/2016
Colicino, E; Wallwork, RS; Kloog, I; Coull, BA; Vokonas, P; Schwartz, JD; Baccarelli, AA. Fine Particulate Matter, Outdoor Temperature and Risk of Metabolic Syndrome. (Orale)
- International Society for Environmental Epidemiology (ISEE) Conference, Rome, Italy. 08/2016
Mordukhovich, I; Wright, R; Lin, X; Amarasiriwardena, C; Shen; Just, A; Brennan, K; Hou, L; Colicino, E; Sparrow, D; Baccarelli, AA; Schwartz, J. Heavy Metal Exposures and Pathway-Based DNA Methylation Pattern (Poster)
- Conference of American Heart Association (AHA), New Orleans, LA, USA 11/2016
Aslibekyan, S; Agha, G; **Colicino, E**; Do, AN; Lahti, J; Ligthart, S; Marioni, RE; Marzi, C; Mendelson, MM; Tanaka, T; Wielscher, M; Absher, D; Ferrucci, L; Franco, OH; Gieger, C; Grallert, H; Hernandez, D; Huan, T; Iurato, S; Joehanes, R; Just, AC; Kunze, S; Lin, H; Liu, C; Meigs, JB; Van Meurs, J; Moore, AZ; Peters, A; Prokisch, H; Rääkkönen, K; Rathmann, W; Roden, M; Schramm, K; Schwartz, J; Starr, J; Uitterlinden, AG; Vokonas, P; Waldenberger, M; Yao, C; Zhi, D; Baccarelli, AA; Bandinelli, S; Deary, IJ; Dehghan, A; Eriksson, J; Herder, C; Jarvelin, MR; Levy, D; Arnett DK. Novel DNA methylation loci associated with circulating tumor necrosis factor-alpha, a marker of systemic inflammation. Abstract on Circulation; 134; A18708-A18708;
Ruolo: Co-primo autore per lo studio Normative Aging Study. (Orale)
- American Thoracic Society International Conference, San Diego, CA, USA 05/2018
Lee, JM; Rasmussen, SG; Brennan, K; **Colicino, E**; Just, AC; Vokonas, P; Lin, X; Hou, L; Litonjua, AA; DeMeo, DL; Sparrow, D; Schwartz, J; Baccarelli AA. Epigenetic Age Acceleration and Lung Function Decline in the Normative Aging Study A75. COPD: TARGETS, MODELS, AND CLINICAL STUDIES. Abstract: American Journal of Respiratory and Critical Care Medicine 197:A2400; 2018; Ruolo: Statistico Epigenetico. (Orale)
- International Society for Environmental Epidemiology (ISEE) Conference, Ottawa, Canada. 08/2018
Fang, J; Kang, CM; **Colicino, E**; Osorio-Yáñez, C; Barrow, TM; Wang, H; Liu, H; Xu, H; Li, PH; Byun, HM; Guo, L. The Effect of Maternal PM2.5 Exposure on the Risk Pre-Term Births: Results from Project ELEFANT.
Ruolo: Statistico. (Orale)
- International Society for Environmental Epidemiology (ISEE) Conference, Ottawa, Canada. 08/2018
Cardenas, A; Sordillo, JE; Rifas-Shiman, Sheryl L; Coull, B; Luttmann-Gibson, H; Hivert, MF; **Colicino, E**; DeMeo, DL; Brennan, KJ; Baccarelli, A; Gold D. The Nasal Methylome as Biomarker of PM2.5 Exposure in Children.
Ruolo: Statistico Epigenetico. (Orale)
- International Society for Environmental Epidemiology (ISEE) Conference, Ottawa, Canada. 08/2018
Wang, C; Baccarelli, A; Hou, L; **Colicino, E**; Shen, J; Lin, X; Vokonas, P; Koutrakis, P; Schwartz, JD. Short-Term Exposure to Ambient Particulate Elements and Epigenome-Wide DNA Methylation in Older Men: The Normative Aging Study. Ruolo: Statistico Epigenetico. (Orale)
- International Society for Environmental Epidemiology (ISEE) Conference, Ottawa, Canada. 08/2018
Niedzwiecki, M; **Colicino, E**; Schnaas, L; Kloog, I; Pizano, ML; Téllez-Rojo, MM; Wright, R; Baccarelli, A; Just, AC; Wright, R; Petrick, L. Particulate Air Pollution Exposure during Pregnancy and Mitochondrial-Associated Plasma Metabolites in Mothers at 48 Months Postpartum: A Pilot Study. Ruolo: Statistico. (Orale)
- International Society for Environmental Epidemiology (ISEE) Conference, Ottawa, Canada. 08/2018
Colicino, E; Just, AC; Kioumourtoglou, MA; Vokonas, P; Cardenas, A; Sparrow, D; Weisskopf, M; Nie, LH; Hu, H; Schwartz, J; Wright, RO; Baccarelli AA. Lead Exposure Biosensors from Epigenome-Wide Blood DNA-Methylation in Adults. (Orale)
- International Society for Environmental Epidemiology (ISEE) Conference, Ottawa, Canada. 08/2018
Wu, S; Hivert, MF; Cardenas, A; Zhong, J; Rifas-Shiman, SL; Agha, G; **Colicino, E**; Just, AC; Amarasiriwardena, C; Lin, X; Litonjua, AA; DeMeo, DL; Gillman, MW; Wright, RO; Oken, E; Baccarelli, AA. An Epigenome-Wide Association Study for Prenatal Lead Exposure and Umbilical Cord Blood DNA Methylation in Project Viva (Poster)

- International Society for Environmental Epidemiology (ISEE) Conference, Ottawa, Canada. 08/2018
 Moody, EC; **Colicino, E**; Wright, RO; Mupere, E; Jaramill, EG; Amarasiriwardena, C; Cusick, SE. Environmental exposure to metal mixtures and linear growth in healthy Ugandan children. Ruolo: Statistico (Poster)
- American Academy of Allergy, Asthma & Immunology, San Francisco, CA 02/2019
 Flom, JD; Niedzwiecki, M; **Colicino, E**; Berin, C; Wright, RJ; Characterizing the prenatal inflammatory milieu associated with maternal asthma: A proteomics approach. Abstract: Journal of Allergy and Clinical Immunology;143(2):AB6; 2019. Ruolo: Statistico (Poster)
- International Society for Environmental Epidemiology (ISEE) Conference, Utrecht, the Netherlands. 08/2019
 Cowell, W; **Colicino, E**; Kloog, I; Just, A; Coull, B; Wright, R; Associations between PM2. 5 and mid-pregnancy inflammation measured using a novel proteomics chip. Abstract: Environmental Epidemiology; 3:82; 2019. (Orale)
- International Society for Environmental Epidemiology (ISEE) Conference, Utrecht, the Netherlands. 08/2019
Colicino, E; Deierlein, A; Just, A; Hair, G; Svensson, K; McRae, N; Pizano-Zarate, M; Pantic, I; Schnaas, L; Tamayo Ortiz, M, Baccarelli AA, Wright RO, Sanders AP. Combined phthalates exposure in pregnancy and increased children's blood pressure at age 4 to 6 years. Abstract: Environmental Epidemiology;3:(78-79); 2019 (Poster)
- International Society for Environmental Epidemiology (ISEE) Conference, Utrecht, the Netherlands. 08/2019
Colicino, E; Wright, R; Knuth, R; Levy, S; Hourigan, S; Huddleston, K. Metals mixture exposure in pregnancy is associated with increased fetal growth. Abstract: Environmental Epidemiology;3:(78-79); 2019 (Poster)
- International Society for Environmental Epidemiology (ISEE) Conference, Utrecht, the Netherlands. 08/2019
 Rechtman, E; Papazaharias, D; Renzetti, S; Cagna, G; **Colicino, E**; Hazeltine, D; Peli, M; Levin-Schwartz, Y; de Water, E; Placidi, D; Lucchini, R; Horton, M. Sex-specific associations between exposure to multiple metals and visuospatial memory skills in adolescents. Abstract: Environmental Epidemiology; 3:328; 2019 (Poster)
- International Society for Environmental Epidemiology (ISEE) Conference, Utrecht, the Netherlands. 08/2019
 Busgang, S; Waller, L; **Colicino, E**; Hertz-Picciotto, I; Gennings, C. Selecting external controls for internal cases using stratification score matching methods. Abstract: Environmental Epidemiology;3(46); 2019; (Poster)
- Meeting of Society of Biological Psychiatry, Chicago, IL, USA 05/2019
 Zilverstand, A; Horton, M; **Colicino, E**; Hazeltine, D; Schneider, KM; Alia-Klein, N; Todd, AC; Goldstein, RZ. Life-Time Lead Exposure and its Association With Cognitive Function and Resting-State Connectivity in Cocaine Addiction. Abstract: Biological Psychiatry; 85(10):S356; 2019. Ruolo: Statistico. (Orale)
- International Society for Environmental Epidemiology (ISEE) Conference, virtual. 08/2020
Colicino, E; Cowell, W; Bozack, A; Joshi, A; Niedzwiecki, MM; Bollati, V; Berin, C; Wright, RO; Wright, RJ. Association between mid pregnancy immune phenotyping and cord blood telomere length: PRISM pregnancy cohort (Poster)
- International Society for Environmental Epidemiology (ISEE) Conference, virtual. 08/2020
Colicino, E; Rechtman, E; Dasaro, C; Hahn, C; Navarro, E; Teitelbaum, S; Todd, A; Horton, M. World Trade Center exposome: risk and protective factors for symptoms of post-traumatic stress disorder among WTC General Responders (Poster)
- International Society for Environmental Epidemiology (ISEE) Conference, virtual. 08/27/2020
Colicino, E; Margetaki, K; Foppa, N; Stratakis, N; Vafeiadi, M; Roumeliotaki, T; Kyrtopoulos SA; Kiviranta H; Stephanou, E; Kogevinas, M; McConnell, R; Berhane, K; Chatzi, L; Conti, D. Prenatal exposure to multiple persistent organic pollutants and childhood BMI trajectories- a comparison of three different methods for exposure mixture analysis in a mixed model framework. (Orale)
- International Society for Clinical Biostatistics (ISCB) 07/19/2021
Colicino, E; Ferrari, F; Cowell, W; Niedzwiecki, MM; Pedretti, NF; Joshi, A; Wright, RO; Wright, RJ. Non-linear

and non-additive associations between the pregnancy exposome and birthweight (Poster)

International Society for Environmental Epidemiology (ISEE) Conference, virtual. 08/27/2021
Colicino, E., Ferrari, F; Cowell, W; Niedzwiecki, MM; Pedretti, NF; Joshi, A; Wright, RO; Wright, RJ. Non-linear and non-additive associations between the pregnancy exposome and birthweight (Orale)

International Society for Environmental Epidemiology (ISEE) Conference, Athens Greece. 09/18/2022
Colicino, E; Gerbi, L; Austin, C; Pedretti, NP; Rosa, MJ; McRae, N; Quataert, SA; Feiler, MO; Thevenet-Morrison, K; Tellez-Rojo, MM; Lamadrid-Figueroa, H; Arora, M; Wright, RO; JuskoTA. Identifying critical windows of perinatal lead exposure for serum antibody levels following childhood vaccination (Poster)

The U.S. Developmental Origins of Health and Disease (DOHaD) Society meeting 10/10-11/2022
Colicino, E; Ascari, R; Saddiki, H; Merced-Nieves, F; Pedretti, NF; Huddleston, K; Wright, RO; Wright RJ. Cross cohort mixture analysis: a data integration approach with applications on gestational age and DNA methylation-derived gestational age acceleration metrics (Oral)

ECHO Spring Meeting 04/19/2023
Colicino, E; Ascari, R; Saddiki, H; Merced-Nieves, F; Pedretti, NF; Huddleston, K; Wright, RO; Wright RJ. Cross cohort mixture analysis: a data integration approach with applications on gestational age and DNA-methylation-derived gestational age acceleration metrics (Poster)

PRESENTATIONE DEI MENTEEES

International Society for Environmental Epidemiology (ISEE) Conference, Athens Greece. 09/18/2022
Invernizzi, A; Rechtman, E; Renzetti, S; Patrono, A; van Thriel, C; Papazaharias, D; **Colicino, E**; Ambrosi, C; Mascano, L; Cagna, G; Horton M. SARS-CoV-2 infection is associated with functional changes in resting-state neural mechanisms among Italian adolescents and young adults: a longitudinal case control study.

International Society for Environmental Epidemiology (ISEE) Conference, virtual. 08/27/2021
Carrión, D; Rush, H; **Colicino, E**; Just, AC; Residential segregation, air temperature, and circulatory mortality: Exposure model choice matters for disparities analyses

International Society for Environmental Epidemiology (ISEE) Conference, virtual. 08/27/2021
Carrión, D; Gutiérrez Avila, Iván; Rush, H Rush; **Colicino, E**; Just, AC; Ambient temperature from satellite-hybrid models and preterm birth: A time-stratified case-crossover analysis of 70,000+ preterm births in Central Mexico