

Marta Ponzano

Education

- April 2023-September 2023 **Visiting PhD Student**, *Harvard T.H. Chan School of Public Health, Department of Environmental Health*, Boston, USA
- November 2021 - Present **PhD Student**, *University of Genoa, Department of Health Sciences, Section of Biostatistics*, Genoa
- October 2017-January 2020 **MSc Biostatistics**, *University of Milano-Bicocca*, Milan, 110/110 cum laude
- May 2019 - November 2019 **Visiting Student**, *Harvard T.H. Chan School of Public Health, Department of Environmental Health*, Boston, USA
- September 2014 - July 2017 **BSc Mathematical Statistics and Data Management**, *University of Genoa*, Genoa, 110/110 cum laude
- September 2009 - July 2014 **High School Diploma**, *Scientific Lyceum E. Amaldi*, Novi Ligure (AL), 100/100 cum laude

Experience

- June 2020 - October 2021 **Research fellow**, *University of Genoa, Department of Health Sciences, Section of Biostatistics*, Genoa
- February 2020 -July 2020 **External Collaborator**, *University of Milano-Bicocca. Department of Statistics and Quantitative Methods*, Milan
- March 2017 -June 2017 **Data Analyst Trainee**, *Intelligrate SRL*, Genoa

Languages

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| Italian | Native | |
| English | Proficient User, CEFR Level C1 | IELTS |
| French | Independent User, CEFR Level B2 | DELF |

Computational Skills

Excellent programming skills. Proficient User of Stata, R, SAS.

Publications

- Ding L*, **Ponzano M***, Grotta A, Adami HO, Xue F, Lagerros YT, Bellocco R, Ye W. Ideal cardiovascular health and risk of death in a large Swedish cohort. *BMC Public Health*. 2024 Feb 2;24(1):358. doi: 10.1186/s12889-024-17885-4. PMID: 38308327.*These authors have equally contributed to this study.
- Signori A*, **Ponzano M***, Kalincik T, Ozakbas S, Horakova D, Kubala Havrdova E, Alroughani R, Patti F, Kuhle J, Izquierdo G, Eichau S, Yamout B, Khoury SJ, Karabudak R, Grammond P, Duquette P, Roos I, Butzkueven H, van der Walt A, Sormani MP. Emulating randomised clinical trials in

relapsing-remitting multiple sclerosis with non-randomised real-world evidence: an application using data from the MSBase Registry. *J Neurol Neurosurg Psychiatry*. 2024 Jan 19:jnnp-2023-332603. doi: 10.1136/jnnp-2023-332603. Epub ahead of print. PMID: 38242680. *These authors have equally contributed to this study.

- Balletto E, **Ponzano M**, Raiola AM, Gambella M, Grazia CD, Dominiotto A, Giannoni L, Ghiso A, Nicolini LA, Sepulcri C, Ullah N, Bruzzone B, Signori A, Angelucci E, Bassetti M, Mikulska M. Adenovirus infection in adult patients undergoing allogeneic hematopoietic stem cell transplant: Incidence, clinical management, and outcome. *Transpl Infect Dis*. 2024 Jan 8:e14215. doi: 10.1111/tid.14215. Epub ahead of print. PMID: 38192010.
- Bartalucci C, Limongelli A, Nicolini LA, **Ponzano M**, Tigano S, Farinella ST, Carrega G, Malerba G, Magnè F, Balletto E, Giacobbe DR, Riccio G, Cenderello G, Taramasso L, Bruzzone B, Vena A, Di Biagio A, Mikulska M, De Maria A, Dentone C, Bassetti M. Neutralizing monoclonal antibodies for the prevention of severe COVID-19: a retrospective study during Omicron BA.1 variant surge. *J Chemother*. 2023 Dec 14:1-8. doi: 10.1080/1120009X.2023.2289269. Epub ahead of print. PMID: 38095569.
- Di Antonio S, Arendt-Nielsen L, **Ponzano M**, Bovis F, Torelli P, Elisa P, Finocchi C, Castaldo M. Profiling migraine patients according to clinical and psychophysical characteristics: clinical validity of distinct migraine clusters. *Neurol Sci*. 2023 Oct 13. doi: 10.1007/s10072-023-07118-8. Epub ahead of print. PMID: 37833507.
- Signori A, Bovis F, Schiavetti I, **Ponzano M**, Freedman MS, Marhardt K, Alexandri N, Sormani MP. Assessing the duration of EDSS improvement after a therapy start: A novel approach applied to the long-term extension of the PRISMS study. *Mult Scler Relat Disord*. 2023 Aug 20;79:104945. doi: 10.1016/j.msard.2023.104945. Epub ahead of print. PMID: 37651814.
- Mori L, Collino F, Marzi A, Pellegrino L, **Ponzano M**, Chiaro DD, Maestrini S, Caneva S, Pardini M, Fiaschi P, Zona G, Trompetto C; Ligurian INPH Study. Useful outcome measures in INPH patients evaluation. *Front Neurol*. 2023 Aug 7;14:1201932. doi: 10.3389/fneur.2023.1201932. PMID: 37609661; PMCID: PMC10441237.
- Russo C, Tagliafico L, Labate L, **Ponzano M**, Mirabella M, Portunato F, Bellezza C, Mora S, Arboscello E, Monacelli F, Nencioni A, Signori A, Bruzzone B, Giacomini M, Dentone C, Bassetti M. Effect of SARS-CoV-2 vaccination in a vulnerable COVID-19 cohort: a real-life experience in an Italian Hospital. *J Chemother*. 2023 Aug 23:1-7. doi: 10.1080/1120009X.2023.2246716. Epub ahead of print. PMID: 37608747.
- Ferraro PM, **Ponzano M**, Cillerai M, Signori A, Caponnetto C. Reply to "Cognition and motor phenotypes in ALS: a retrospective study". *Neurol Sci*. 2023 Jul 31. doi: 10.1007/s10072-023-06976-6. Epub ahead of print. PMID: 37524961.
- Di Antonio S, Arendt-Nielsen L, **Ponzano M**, Bovis F, Torelli P, Pelosin E, Finocchi C, Castaldo M. Migraine patients with and without neck pain: Differences in clinical characteristics, sensitization, musculoskeletal impairments, and psychological burden. *Musculoskelet Sci Pract*. 2023 Jun 14:102800. doi: 10.1016/j.msksp.2023.102800. Epub ahead of print. PMID: 37344290.
- Di Antonio S, Arendt-Nielsen L, **Ponzano M**, Bovis F, Torelli P, Finocchi C, Castaldo M.

Trigemino-cervical pain sensitivity during the migraine cycle depends on headache frequency. *Neurol Sci.* 2023 Jun 13;1–12. doi: 10.1007/s10072-023-06858-x. Epub ahead of print. PMID: 37308781; PMCID: PMC10260380.

- Abbadessa G, **Ponzano M**, Bile F, Miele G, Signori A, Cepparulo S, Sparaco M, Signoriello E, Maniscalco GT, Lanzillo R, Morra VB, Lus G, Sormani MP, Lavorgna L, Bonavita S. Health related quality of life in the domain of physical activity predicts confirmed disability progression in people with relapsing remitting multiple sclerosis. *Mult Scler Relat Disord.* 2023 Jul;75:104731. doi: 10.1016/j.msard.2023.104731. Epub 2023 Apr 28. PMID: 37163840.
- Di Antonio S, Arendt-Nielsen L, **Ponzano M**, et al. Profiling migraine patients according to clinical and psychophysical characteristics: a cluster analysis approach [published online ahead of print, 2023 May 3]. *Pain Med.* 2023;pnad048. doi:10.1093/pm/pnad048
- Bassi M, Patti L, Silvestrini I, Strati MF, **Ponzano M**, Minuto N, Maggi D. One-year follow-up comparison of two hybrid closed-loop systems in Italian children and adults with type 1 diabetes. *Front Endocrinol (Lausanne).* 2023 Jan 26;14:1099024. doi: 10.3389/fendo.2023.1099024. PMID: 36777356; PMCID: PMC9909036.
- Cremante M, Pastorino A, **Ponzano M**, Grassi M, Martelli V, Puccini A, Catalano F, Murianni V, Iaia ML, Puglisi S, Gandini A, Fornarini G, Caprioni F, Andretta V, Pessino A, Comandini D, Sciallero MS, Mammoliti S, Sormani MP, Sobrero A. Reliability of patient-reported toxicities during adjuvant chemotherapy. *Eur J Cancer.* 2023 Jan 14;182:115-121. doi: 10.1016/j.ejca.2023.01.005. Epub ahead of print. PMID: 36758476.
- Vena A, Bovis F, Tutino S, Santagostino Barbone A, Mezzogori L, **Ponzano M**, Taramasso L, Baldi F, Dettori S, Labate L, Russo C, Giacobbe DR, Mikulska M, Dentone C, Magnasco L, Marchese A, Robba C, Ball L, Battaglini D, Pelosi P, Crea F, Di Pilato V, Di Biagio A, Bouza E, Muñoz P, Bassetti M. Short Course of Antifungal Therapy in Patients With Uncomplicated Candida Bloodstream Infection: Another Case of Less Is More in the Clinical Setting? *Open Forum Infect Dis.* 2022 Dec 8;10(1):ofac656. doi: 10.1093/ofid/ofac656. PMID: 36655192; PMCID: PMC9835756.
- Proietti F, Landi D, **Ponzano M**, Cola G, Di Mauro G, Mataluni G, Nicoletti CG, Curcio G, Marfia GA. COVID-19 vaccine hesitancy among Italian people with multiple sclerosis. *Neurol Sci.* 2022 Dec 26. doi: 10.1007/s10072-022-06559-x. Epub ahead of print. PMID: 36567409.
- Barranco R, Caristo I, Spigno F, **Ponzano M**, Trevisan A, Signori A, Di Biagio A, Ventura F. Management of the Medico-Legal Dispute of Healthcare-Related SARS-CoV-2 Infections: Evaluation Criteria and Case Study in a Large University Hospital in Northwest Italy from 2020 to 2021. *Int J Environ Res Public Health.* 2022 Dec 14;19(24):16764. doi: 10.3390/ijerph192416764. PMID: 36554644.
- Miele G, Abbadessa G, Cavalla P, Valentino P, Marfia GA, Landi D, Bosa C, Vercellino M, De Martino A, **Ponzano M**, Lavorgna L, Bonavita S. Association of vitamin D serum levels and vitamin D supplementation with B cell kinetics and disease activity in Multiple Sclerosis patients treated with ocrelizumab: an Italian multi-center study. *Mult Scler Relat Disord.* 2022 Dec;68:104395. doi: 10.1016/j.msard.2022.104395. Epub 2022 Nov 3. PMID: 36544324.
- Fornarini G, Rebuzzi SE, Buti S, Rescigno P, Merseburger A, Sternberg CN, de Giorgi U, Basso U,

- Maruzzo M, Giannatempo P, **Ponzano M**, Giunta EF, Catalano F, Murianni V, Damassi A, Cremante M, Gandini A, Puglisi S, Llaja Obispo MA, Signori A, Banna GL. A novel immunotherapy prognostic score for patients with pretreated advanced urinary TrAct Carcinoma from the subgroup analysis of the SAUL study: the ITACA Score. *Minerva Urol Nephrol*. 2022 Dec 13. doi: 10.23736/S2724-6051.22.05135-7. Epub ahead of print. PMID: 36511379.
- Ferraro PM, Gualco L, Costagli M, Schiavi S, **Ponzano M**, Signori A, Massa F, Pardini M, Castellan L, Levrero F, Zacà D, Piredda GF, Hilbert T, Kober T, Roccatagliata L. Compressed sensing (CS) MP2RAGE versus standard MPRAGE: A comparison of derived brain volume measurements. *Phys Med*. 2022 Nov 8;103:166-174. doi: 10.1016/j.ejmp.2022.10.023. Epub ahead of print. PMID: 36368208.
 - Dentone C, Fenoglio D, **Ponzano M**, Cerchiaro M, Altosole T, Franciotta D, Portunato F, Mikulska M, Taramasso L, Magnasco L, Uras C, Magne F, Ferrera F, Scavone G, Signori A, Vena A, Visconti V, Filaci G, Sette A, Grifoni A, Di Biagio A, Bassetti M. Healthcare Worker Study Cohort to Determine the Level and Durability of Cellular and Humoral Immune Responses after Two Doses of SARS-CoV-2 Vaccination. *Vaccines (Basel)*. 2022 Oct 24;10(11):1784.
 - **Ponzano M**, Schiavetti I, Bergamaschi R, Pisoni E, Bellavia A, Mallucci G, Carmisciano L, Inglese M, Cordioli C, Marfia GA, Cocco E, Immovilli P, Pesci I, Scandellari C, Cavalla P, Radaelli M, Vianello M, Vitetta F, Montepietra S, Amato MP, Fioretti C, Filippi M, Sartori A, Caleri F, Clerico M, Gallo A, Conte A, Clerici R, De Luca G, Boneschi FM, Cantello R, Calabrese M, Tortorella C, Rovaris M, Verrengia EP, Patti F, Morra VB, Salvetti M, Sormani MP; MuSC-19 Study Group. The impact of PM2.5, PM10 and NO2 on Covid-19 severity in a sample of patients with multiple sclerosis: A case-control study. *Mult Scler Relat Disord*. 2022 Oct 20;68:104243.
 - Mori L, Schenone C, Cotellessa F, **Ponzano M**, Aiello A, Lagostina M, Massucco S, Marinelli L, Grandis M, Trompetto C, Schenone A. Quality of life and upper limb disability in Charcot-Marie-Tooth disease: A pilot study. *Front Neurol*. 2022 Oct 5;13:964254. doi: 10.3389/fneur.2022.964254. PMID: 36277933; PMCID: PMC9581160.
 - Civino A, Bovis F, **Ponzano M**, Alighieri G, Prete E, Sorrentino S, Magni-Manzoni S, Vinti L, Romano M, Santoro N, Filocamo G, Belotti T, Santarelli F, Gorio C, Cattalini M, Stabile G, Conter V, Rondelli R, Pession A, Ravelli A; ONCOREUM Study group. Development and initial validation of the ONCOREUM score to differentiate childhood cancer with arthropathy from juvenile idiopathic arthritis. *J Pediatr*. 2022 Oct 3:S0022-3476(22)00868-X. doi: 10.1016/j.jpeds.2022.09.046. Epub ahead of print. PMID: 36202241.
 - Ferraro PM, Gervino E, De Maria E, Meo G, **Ponzano M**, Pardini M, Signori A, Schenone A, Roccatagliata L, Caponnetto C. Mild Behavioral Impairment as a potential marker of pre-dementia risk states in motor neuron diseases. *Eur J Neurol*. 2022 Sep 23. doi: 10.1111/ene.15570. Epub ahead of print. PMID: 36148819.
 - Puccini A, **Ponzano M**, Dalmaso B, Vanni I, Gandini A, Puglisi S, Borea R, Cremante M, Bruno W, Andreotti V, Allavena E, Martelli V, Catalano F, Grassi M, Iaia ML, Pirrone C, Pastorino A, Fornarini G, Sciallero S, Ghiorzo P, Pastorino L. Clinical Significance of Germline Pathogenic Variants among 51 Cancer Predisposition Genes in an Unselected Cohort of Italian Pancreatic Cancer Patients. *Cancers (Basel)*. 2022 Sep 13;14(18):4447. doi: 10.3390/cancers14184447. PMID: 36139606.

- Schiavetti I, Carmisciano L, **Ponzano M**, Cordioli C, Cocco E, Marfia GA, Inglese M, Filippi M, Radaelli M, Bergamaschi R, Immovilli P, Capobianco M, De Rossi N, Brichetto G, Scandellari C, Cavalla P, Pesci I, Confalonieri P, Perini P, Trojano M, Lanzillo R, Tedeschi G, Comi G, Battaglia MA, Patti F, Salvetti M, Sormani MP; MuSC-19 study group. Signs and symptoms of Covid-19 in patients with multiple sclerosis. *Eur J Neurol*. 2022 Sep 10. doi: 10.1111/ene.15554. Epub ahead of print.
- Casaccia M, **Ponzano M**, Testa T, Martigli SP, Contratto C, De Cian F. Single-Port Cholecystectomy for Cholecystitis Versus Non-Cholecystitis. *JLS*. 2022 Jul-Sep;26(3):e2022.00020. doi: 10.4293/JLS.2022.00020. PMID: 35967963; PMCID: PMC9355797.
- Picasso R, Bica P, Pistoia F, Zaottini F, Sanguinetti S, Bovis F, **Ponzano M**, Pizzorni C, Paolino S, Sulli A, Gotelli E, Martinoli C, Cutolo M. High-resolution Doppler ultrasound in systemic sclerosis: Analysis of digital arteries and nailfold microvasculature using 18-5MHz and 33-9MHz probes. *Int J Rheum Dis*. 2022 Aug 12. doi: 10.1111/1756-185X.14422. Epub ahead of print. PMID: 35962534.
- Finocchi C, Di Antonio S, Castaldo M, **Ponzano M**, Bovis F, Villafañe JH, Torelli P, Arendt-Nielsen L. Increase pain sensitivity during the four phases of the migraine cycle in patients with episodic migraine. *Neurol Sci*. 2022 Jul 26. doi: 10.1007/s10072-022-06263-w. Epub ahead of print. PMID: 35879496.
- Puce L, Bragazzi NL, Currà A, Marinelli L, Mori L, Cotellessa F, Chamari K, **Ponzano M**, Samanipour MH, Nikolaidis PT, Biz C, Ruggieri P, Trompetto C. Not all Forms of Muscle Hypertonia Worsen With Fatigue: A Pilot Study in Para Swimmers. *Front Physiol*. 2022 Jun 22;13:902663. doi: 10.3389/fphys.2022.902663. PMID: 35812331; PMCID: PMC9258738.
- Bovis F, **Ponzano M**, Signori A, Schiavetti I, Bruzzi P, Sormani MP. Reinterpreting Clinical Trials in Children With Multiple Sclerosis Using a Bayesian Approach. *JAMA Neurol*. 2022 Jul 5. doi: 10.1001/jamaneurol.2022.1735. Epub ahead of print. PMID: 35788638.
- **Ponzano M**, Schiavetti I, Bovis F, Landi D, Carmisciano L, De Rossi N, Cordioli C, Moiola L, Radaelli M, Immovilli P, Capobianco M, Monti Bragadin M, Cocco E, Scandellari C, Cavalla P, Pesci I, Confalonieri P, Perini P, Bergamaschi R, Inglese M, Petracca M, Trojano M, Tedeschi G, Comi G, Battaglia MA, Patti F, Frago Y, Sen S, Siva A, Karabudak R, Efendi H, Furlan R, Salvetti M, Sormani MP. *A multiparametric score for assessing the individual risk of severe Covid-19 among patients with Multiple Sclerosis*. *Multiple Sclerosis and Related Disorders*, Volume 63, 103909. Available online 25 May 2022.
- Pengo M, Miente S, Franciotta S, **Ponzano M**, Torresin T, Bovis F, Rinaldi F, Perini P, Saiani M, Margoni M, Bertoldo A, Sormani MP, Pilotto E, Midena E, Gallo P, Puthenparampil M. *Retinal Hyperreflecting Foci Associate With Cortical Pathology in Multiple Sclerosis*. *Neurol Neuroimmunol Neuroinflamm*. 2022 May 23;9(4):e1180. doi: 10.1212/NXI.0000000000001180. PMID: 35606113.
- Vestito L, Mori L, Trompetto C, Bagnasco D, Canevari RF, **Ponzano M**, Subbrero D, Cecchella E, Barbara C, Clavario P, Bandini F. *Impact of tDCS on persistent COVID-19 olfactory dysfunction: a double-blind sham-controlled study*. *J Neurol Neurosurg Psychiatry*. 2022 May 23;jnnp-2022-329162. doi: 10.1136/jnnp-2022-329162. Epub ahead of print. PMID: 35606106.
- Sormani MP, Schiavetti I, Inglese M, Carmisciano L, Laroni A, Lapucci C, Visconti V, Serrati C,

- Gandoglia I, Tassinari T, Perego G, Bricchetto G, Gazzola P, Mannironi A, Stromillo ML, Cordioli C, Landi D, Clerico M, Signoriello E, Cocco E, Frau J, Ferrò MT, Di Sapio A, Pasquali L, Ulivelli M, Marinelli F, Pizzorno M, Callari G, Iodice R, Liberatore G, Caleri F, Repice AM, Cordera S, Battaglia MA, Salvetti M, Franciotta D, Uccelli A; **CovaXiMS study group**. *Breakthrough SARS-CoV-2 infections after COVID-19 mRNA vaccination in MS patients on disease modifying therapies during the Delta and the Omicron waves in Italy*. EBioMedicine. 2022 May 5;80:104042. doi: 10.1016/j.ebiom.2022.104042. Epub ahead of print. PMID: 35526306; PMCID: PMC9069178.
- Bauckneht M, Rebuzzi SE, **Ponzano M**, Borea R, Signori A, Frantellizzi V, Lodi Rizzini E, Mascia M, Lavelli V, Miceli A, et al. *Prognostic value of the BIO-Ra score in metastatic castration-resistant prostate cancer patients treated with Radium-223 after the European Medical Agency restricting use: secondary investigations of the multicentric BIO-Ra study*. Cancers. 2022 Mar 29.
 - Banna GL, Signori A, Curioni-Fontecedro A, Cortellini A, **Ponzano M**, Giunta EF, Rebuzzi SE, Chan S, Gebbia V, van Eeden R, Addeo A, Ottensmeier C. *Systemic therapy for pre-treated malignant mesothelioma: A systematic review, meta-analysis and network meta-analysis of randomised controlled trials*. Eur J Cancer. 2022 Mar 28.
 - Di Antonio S, Arendt-Nielsen L, **Ponzano M**, Bovis F, Torelli P, Finocchi C, Castaldo M. *Cervical musculoskeletal impairments in the 4 phases of the migraine cycle in episodic migraine patients*. Cephalalgia. 2022 Mar 25.
 - Landi D, Grimaldi A, Bovis F, **Ponzano M**, Fantozzi R, Buttari F, Signoriello E, Lus G, Lucchini M, Mirabella M, Cellerino M, Inglese M, Cola G, Nicoletti CG, Mataluni G, Centonze D, Marfia GA. *Influence of Previous Disease-Modifying Drug Exposure on T-Lymphocyte Dynamic in Patients With Multiple Sclerosis Treated With Ocrelizumab*. Neurol Neuroimmunol Neuroinflamm. 2022 Mar 10.
 - Signori A, **Ponzano M**, Alexandri N, Giovannoni G, Sormani MP. *Prevalence of disability improvement in relapsing-remitting multiple sclerosis patients treated with cladribine tablets*. Eur J Neurol. 2022 Mar 8.
 - Schiavetti I* ,**Ponzano M***, Signori A, Bovis F, Carmisciano L, Sormani MP. *Severe outcomes of COVID-19 among patients with multiple sclerosis under anti-CD-20 therapies: A systematic review and meta-analysis*. Mult Scler Relat Disord. 2022 Jan;57:10335. *These authors have equally contributed to this study.
 - Di Antonio S, Castaldo M, **Ponzano M**, Bovis F, Hugo Villafañe J, Torelli P, Finocchi C, Arendt-Nielsen L. *Trigeminal and cervical sensitization during the four phases of the migraine cycle in patients with episodic migraine*. Headache. 2022 Feb 5. doi: 10.1111/head.14261.
 - James-Todd T, **Ponzano M**, Bellavia A, Williams PL, Cantonwine DE, Calafat AM, Hauser R, Quinn MR, Seely EW, McElrath TF. *Urinary phthalate and DINCH metabolite concentrations and gradations of maternal glucose intolerance*. Environ Int. 2022 Jan 24;161:107099. doi: 10.1016/j.envint.2022.107099. Epub ahead of print. PMID: 35085932.
 - Palmeri S*, **Ponzano M***, Ivaldi F, Signori A, Lapucci C, Casella V, Ferrò MT, Vigo T, Inglese M, Mancardi GL, Uccelli A, Laroni A. *Impact of Natural Killer (NK) Cells on Immune Reconstitution, and Their Potential as a Biomarker of Disease Activity, in Alemtuzumab-Treated Patients with Relapsing Remitting Multiple Sclerosis: An Observational Study*. CNS Drugs. 2021 Dec 11. *These

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- Sormani MP, Schiavetti I, Carmisciano L, Cordioli C, Filippi M, Radaelli M, Immovilli P, Capobianco M, De Rossi N, Bricchetto G, Cocco E, Scandellari C, Cavalla P, Pesci I, Zito A, Confalonieri P, Marfia GA, Perini P, Inglese M, Trojano M, Brescia Morra V, Tedeschi G, Comi G, Battaglia MA, Patti F, Salvetti M; **MuSC-19 Study Group**. *COVID-19 Severity in Multiple Sclerosis: Putting Data Into Context*. *Neurol Neuroimmunol Neuroinflamm*. 2021 Nov 9;9(1)
- Bergamaschi R, **Ponzano M**, Schiavetti I, Carmisciano L, Cordioli C, Filippi M, Radaelli M, Immovilli P, Capobianco M, De Rossi N, Bricchetto G, Cocco E, Scandellari C, Cavalla P, Pesci I, Zito A, Confalonieri P, Marfia GA, Perini P, Inglese M, Trojano M, Brescia Morra V, Pisoni E, Tedeschi G, Comi G, Battaglia MA, Patti F, Salvetti M, Sormani MP; **Musc-19 study group**. *The effect of air pollution on Covid-19 severity in a sample of patients with Multiple Sclerosis*. *Eur J Neurol*. 2021 Nov 4. doi: 10.1111/ene.15167. Epub ahead of print. PMID: 34735749.
- Zakaria M, **Ponzano M**, Schiavetti I, Carmisciano L, Nada M, AbdelNaseer M, Zamzam D, Masoud J, Aref H, Shalaby N, AbdelNaser A, Hamdy S, Saad M, Shehata H, Aly M, Kishk N, Hamdy E, Hassan A, Hashish A, Ahmed S, Foad M, Sormani MP. *The MuSC-19 study: The Egyptian cohort*. *Mult Scler Relat Disord*. 2021 Oct 10.
- Coratti G, Cutrona C, Pera MC, Bovis F, **Ponzano M**, Chieppa F, Antonaci L, Sansone V, Finkel R, Pane M, Mercuri E. *Motor function in type 2 and 3 SMA patients treated with Nusinersen: a critical review and meta-analysis*. *Orphanet J Rare Dis*. 2021 Oct 13.
- Sormani MP, Inglese M, Schiavetti I, Carmisciano L, Laroni A, Lapucci C, Da Rin G, Serrati C, Gandoglia I, Tassinari T, Perego G, Bricchetto G, Gazzola P, Mannironi A, Stromillo ML, Cordioli C, Landi D, Clerico M, Signoriello E, Frau J, Ferrò MT, Di Sapio A, Pasquali L, Olivelli M, Marinelli F, Callari G, Iodice R, Liberatore G, Caleri F, Repice AM, Cordera S, Battaglia MA, Salvetti M, Franciotta D, Uccelli A; **CovaXiMS study group**. *Effect of SARS-CoV-2 mRNA vaccination in MS patients treated with disease modifying therapies*. *EBioMedicine*. 2021 Sep 22.
- Bauckneht M, Rebuzzi SE, Signori A, Frantellizzi V, Murianni V, Lodi Rizzini E, Mascia M, Lavelli V, Donegani MI, **Ponzano M**, Gaudio A, Stazza ML, Licari M, Cavallini L, Laghi V, Cindolo L, Maggi M, Sciarra A, Mammucci P, Sambuceti G, Costa RP, Spanu A, Rubini G, Monari F, De Vincentis G, Fornarini G. *The prognostic power of inflammatory indices and clinical factors in metastatic castration-resistant prostate cancer patients treated with radium-223 (BIO-Ra study)*. *Eur J Nucl Med Mol Imaging*. 2021 Sep 6.
- Sormani MP, Salvetti M, Labauge P, Schiavetti I, Zephir H, Carmisciano L, Bensa C, De Rossi N, Pelletier J, Cordioli C, Vukusic S, Moiola L, Kerschen P, Radaelli M, Théaudin M, Immovilli P, Casez O, Capobianco M, Ciron J, Trojano M, Stankoff B, Créange A, Tedeschi G, Clavelou P, Comi G, Thouvenot E, Battaglia MA, Moreau T, Patti F, De Sèze J, Louapre C; **Musc-19; Covisep study groups**. *DMTs and Covid-19 severity in MS: a pooled analysis from Italy and France*. *Ann Clin Transl Neurol*. 2021 Aug.
- Fragoso YD, Schiavetti I, Carmisciano L, **Ponzano M**, Steinberg J, Treviño-Frenk I, Ciampi E, Vecino MCA, Correa EP, Carcamo C, Gomes S, Pimentel MLV, Santos GAC, Vrech C, Winckler TCA, Sormani MP. *Coronavirus disease 2019 in Latin American patients with multiple sclerosis*. *Mult Scler Relat Disord*. 2021 Jul 25.

- Brigo F*, **Ponzano M***, Sormani MP, Clerico, M, Abbadessa G, Cossu G, Trojsi F, Colucci F, Tortorella C, Miele G, Spina E, Artusi CA, Carmisciano L, Servillo G, Bozzali M, Sparaco M, Leocani L, Lanzillo R, Tedeschi G, Lavorgna L. *Digital work engagement among Italian neurologists*. Therapeutic Advances in Chronic Disease 2021 Jul 20. *These authors have equally contributed to this study.
- Landi D, **Ponzano M**, Nicoletti CG, Cola G, Cecchi G, Grimaldi A, Mataluni G, Mercuri NB, Sormani MP, Pacileo G, Marfia GA. Patient's point of view on the use of telemedicine in multiple sclerosis: a web-based survey. Neurol Sci. 2021 Jul 20.
- Di Antonio S, Castaldo M, **Ponzano M**, Bovis F, Torelli P, Finocchi C, Arendt-Nielsen L. *Disability, burden, and symptoms related to sensitization in migraine patients associate with headache frequency*. Scand J Pain. 2021 Jul 13.
- Sormani MP, Schiavetti I, Landi D, Carmisciano L, De Rossi N, Cordioli C, Moiola L, Radaelli M, Immovilli P, Capobianco M, Brescia Morra V, Trojano M, Tedeschi G, Comi G, Battaglia MA, Patti F, Fragoso YD, Sen S, Siva A, Furlan R, Salvetti M; **Musc-19 Study Group**. *SARS-CoV-2 serology after COVID-19 in multiple sclerosis: An international cohort study*. Mult Scler. Jul 2021.
- Landi D, Signori A, Cellerino M, Fenu G, Nicoletti CG, **Ponzano M**, Mancuso E, Fronza M, Ricchiuto ME, Boffa G, Inglese M, Marfia GA, Cocco E, Frau J. *What happens after fingolimod discontinuation? A multicentre real-life experience*. Journal of Neurology, Jun 2021.
- Baldessin L, Monterisi S, Marfia GA, Landi D, Nicoletti CG, Mataluni G, **Ponzano M**. *Telemedicina: il Policlinico Tor Vergata di Roma rileva il gradimento del paziente con SM*. Progettare per la Sanità Jun 2021.
- Sormani MP, De Rossi N, Schiavetti I, Carmisciano L, Cordioli C, Moiola L, Radaelli M, Immovilli P, Capobianco M, Trojano M, Zaratini P, Tedeschi G, Comi G, Battaglia MA, Patti F, Salvetti M; **Musc-19 Study Group**. *Disease-Modifying Therapies and Coronavirus Disease 2019 Severity in Multiple Sclerosis*. Ann Neurol 2021 Apr.
- Bauckneht M, Rebutti SE, Signori A, Donegani MI, Murianni V, Miceli A, Borea R, Raffa S, Damassi A, **Ponzano M**, Catalano F, Martelli V, Marini C, Boccardo F, Morbelli S, Sambucetti G and Fornarini G. *The Prognostic Role of Baseline Metabolic Tumor Burden and Systemic Inflammation Biomarkers in Metastatic Castration-Resistant Prostate Cancer Patients Treated with Radium-223: A Proof of Concept Study*. Cancers 2020 Oct.
- Landi D*, **Ponzano M***, Nicoletti CG, Cecchi G, Cola G, Mataluni G, Mercuri NB, Sormani MP, Marfia GA. *Adherence to social distancing and use of personal protective equipment and the risk of Sars-COV-2 infection in a cohort of patients with Multiple Sclerosis*. Multiple Sclerosis and Related Disorders, 2020 Jul. *These authors have equally contributed to this study.
- Sormani MP, on behalf of the **Italian Study Group** on COVID-19 infection in multiple sclerosis. *An Italian programme for COVID-19 infection in multiple sclerosis*. Lancet Neurol 2020 Apr.
- Veen L, Hantikainen E, Bellocco R, Ye W, Serafini M, **Ponzano M**, Grotta A, Trolldenier Lagerros Y. *Dietary antioxidants, non-enzymatic antioxidant capacity and the risk of osteoarthritis in the Swedish National March Cohort*. European Journal of Nutrition 2020 Apr.

Invited Talks and Presentations

- Harvard T.H. Chan School of Public Health, Boston, USA; September 29, 2023. Seminar Talk: *The association between pregnancy and postpartum phthalate levels and postpartum glucose dysregulation*
- JAMS (Junior Academy of Multiple Sclerosis), Rome September 22, 2023. *A comprehensive overview of social determinants of health among patients with Multiple Sclerosis in Italy.*
- High School E. Amaldi, Novi Ligure, Novi Ligure January 27, 2023. *La ricerca medica e la figura del biostatistico.*
- Palazzo della Borsa, Sala delle Grida, Genova March 27, 2023. *I mestieri dello statistico 2023.*
- 13th Virtual Conference of the Italian Region of the International Biometric Society (IBS), September 2021, online. *The impact of PM2.5 on Covid-19 severity among Italian patients with multiple sclerosis, .*
- Harvard T.H. Chan School of Public Health, Boston, USA; October 11, 2019. Seminar Talk: *Early Pregnancy Exposure to phthalate mixtures and gestational diabetes Mellitus (GDM): Results from an ongoing prospective cohort.*

Grants and Awards

- Travel Grant: ACTRIMS Young Scientist Summit, October 30, 2023 - November 2, 2023, Scottsdale, Arizona.
- Award: "Premio Galileo Galilei Giovani" - Rotary International - District 2032 , May 2022.
- Travel Grant: ACTRIMS Young Scientist Summit, April 26, 2022- May 1, 2022, Charleston, South Carolina.
- Travel Grant: ECTRIMS, October 26-28, 2022, Amsterdam, Netherlands.

Attended Courses and conferences

- *Back from ECTRIMS*, November 12-13, 2023, Camogli, Italy
- *ACTRIMS Young Scientist Summit*, October 30, 2023- November 2, 2023, Scottsdale, Arizona.
- *ECTRIMS*, October 11-13, 2023, Milan, Italy.
- Causal Diagrams: Draw Your Assumptions Before Your Conclusions, February 2023, online learning initiative of Harvard University.
- *HIV and Coinfections*, March 2-3, 2023, Rome, Italy.
- *Back from ECTRIMS*, November 26-28, 2022, Camogli, Italy
- *ECTRIMS*, October 26-28, 2022, Amsterdam, Netherlands.
- *Think Tank Fondazione Icona*, September 5-6, 2022, Lecce, Italy.
- *A digital Journey 2022*, May 26-28, 2022, Capri, Italy.
- *ACTRIMS Young Scientist Summit*, April 27, 2022- April 30, 2022, Charleston, South Carolina.
- *13th Virtual Conference of the Italian Region of the International Biometric Society (IBS): Graphical*

models for categorical data with R, September 22, 2021

- *SISMEC working Group in Causal Inference: A Short Course on Concepts and Methods in Causal Inference*, Dec 16-17, 2019, Milan.