



CURRICULUM VITAE

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Formazione

- 1978** Diploma di Maturità Scientifica
- 1987** Laurea in Medicina e Chirurgia, Università degli Studi di Brescia
- 1988** Abilitazione alla professione di Medico Chirurgo, Università degli Studi di Brescia
- 1991** Specializzazione in Medicina del Lavoro, Università degli Studi di Parma.

Corsi/stage

- 1988 ottobre** Corso intensivo in Medicina del Lavoro presso l'Extended Program in Medical Education, University of California, San Francisco, USA
- 1989 aprile** Corso internazionale su "Occupational Neurotoxicology". NIVA Nordic Institute for advanced training in Occupational Health. Kuusamo, Finland, 9-14/4/89
- 1990 giugno** Corso in neurotossicologia clinica: "Individuazione e diagnosi di alterazioni neurologiche e comportamentali da tossici industriali". World Health Organization - Università di Milano. Centre for Pesticide Safety, Busto Garolfo (MI), 11-15/6/90
- 1992 aprile** Terzo corso internazionale su "Behavioral and psychophysiological effects of the physical and chemical work environment". NIVA Nordic Institute for advanced training in Occupational Health. Salsomaggiore (PR), 6-10/4/92
- 1992 ottobre** Corso presso la Divisione di Psicofisiologia del National Institute of Occupational Health di Stoccolma, Svezia, riguardante aspetti tecnici e di somministrazione della batteria di test computerizzati SPES (Swedish Performance Evaluation System) versione 5. Solna, Svezia
- 1995 lug-dic** Stage presso il CINBIOSE (Centre pour l'étude des interacciones biologiques entre la santé et l'environnement) de l'Université du Québec à Montréal, con un finanziamento nell'ambito degli Scambi di Cooperazione fra CNR/MRC (Canada)
- 1999 aprile** Corso sull'impiego del software statistico Stat-view 5.0, tenuto dalla NET Engineering di Pavia a San Donato Milanese
- 2002 agosto** Visiting scientist alla Neurotoxicology Division dell'EPA (Environmental Protection Agency) in Research Triangle Park, NC, e alla Human Studies Division dell'EPA in Chapel Hill, NC, con seminario su "Manganese neurotoxicity, epidemiological and clinical approaches"
- 2003 Luglio** Visiting scientist al Parkinson's Institute, Sunnyvale, CA, USA, con seminario su "Manganese related Parkinsonism in welders. Background and research needs"
- 2005 Nov** Visiting scientist al CROET (Center for Research on Occupational and Environmental Toxicology), Oregon Health & Science University, Portland, OR, con seminario su "Manganese Induced Parkinsonism: New Evidence And Hypothesis For A Complex Neurodegenerative Illness"

Esperienza Professionale

- 1988 - '92:** Medico frequentatore Servizio di Medicina del Lavoro, Spedali Civili di Brescia.
- 1988 - '92:** Consulente Unità Operativa Tutela Salute nei Luoghi di Lavoro, USSL N° 34 di Chiari (BS).
- Dal 1988:** Medico Competente presso aziende pubbliche e private del territorio bresciano, fra cui Artsana Spa, Provincia di Brescia, Delegazione Italiana alla Nazioni Unite, New York, Consolato Italiano New York.
- Dal 1992:** Dirigente Medico 1° livello, Servizio di Medicina del Lavoro, Spedali Civili di Brescia.
- Dal 1/11/02:** Ricercatore, Cattedra di Medicina del Lavoro, Università degli Studi di Brescia.
- Dal 1/03/05:** Professore Associato 2° fascia, Cattedra di Medicina del Lavoro dell'Università di Brescia.
- Dal 2003:** Research associate, University of California, Santa Cruz, Environmental Toxicology Department
- Dal 2006:** Visiting Professor, Harvard School of Public Health, Department of Environmental Health
- Dal 2012:** Professor of Medicine, Mount Sinai School of Medicine, New York, USA. Director of the Division of Occupational and Environmental Medicine, Director of the World Trade Center Data Center, Director of the Education and Research Center for Region II New York/New Jersey.

Ricerca

Neurotossicologia e Tossicologia neuro-comportamentale. Valutazione effetti precoci da esposizione a metalli, solventi organici, pesticidi e gas anestetici, allo scopo di identificare livelli di esposizione protettivi. Ruolo dell'esposizione a neurotossici ambientali ed occupazionali dalle patologie del neurosviluppo alle malattie neurodegenerative quali Morbo di Parkinson e Demenza di Alzheimer. Effetti a lungo termine cancerogeni e neurologici nei soccorritori e lavoratori dell'11/9.

Revisore progetti ricerca per EU (E-COST, Horizon) e NIH (NAME- Neurological, Agina and Musculoskeletal Epidemiology – study section).

Docenza

Corso di Medicina del Lavoro presso Università' di Brescia – Corsi di Laurea in Tecniche della Prevenzione e nell'ambiente dei Luoghi di Lavoro; Assistenza Sanitaria; Educatori Professionali; Riabilitazione Psichiatrica. Scuola di Specializzazione in Medicina del Lavoro.

Direttore della Summer School internazionale "Occupational and Environmental Determinant of Diseases" www.summerschoolunibs.org presso Università' di Brescia

Direttore del Corso Advanced International Training Course In Occupational And Environmental Health Chulaborn Research Center, Bangkok, Thailand.

Corso History of Occupational Medicine presso Mount Sinai School of Medicine

Cooperazioni internazionali:

Organizzatore di progetti di interscambio con la Cina (1995) ed il Québec (1996) sulla neurotossicità da metalli. Nel dicembre 2002, membro di un panel di esperti sulla neurotossicità da manganese per la formulazione di valori limite protettivi, Health Canada, Ottawa.

Nel luglio 2003 appointment al Research Participation Program del NIOSH per il progetto "Neurological Health of Welders", Morgantown, West Virginia, USA.

Nel settembre 2003, membro di un panel di esperti per un criteria document EU sulla "Solvent Related Chronic Encephalopathy", Netherland Center of Occupational Disease, Coronel Insititute, Amsterdam.

Dal 2003 al 2004 membro di una commissione di esperti per la preparazione di criteri diagnostici sulla diagnosi differenziale fra Morbo di Paarkinson e Manganismo, CSST ed IRSST, Quebec, Canada.

Nel 2004 esperto al panel "Regional Awareness Raising Workshop On Mercury Pollution", United Nations Environmental Program (UNEP).

Organizzazione congressi:

Brescia, 12 maggio 1992 - "Rischi professionali da anestetici da inalazione", Associazione Lombarda di Medicina del lavoro e Igiene Industriale.

Brescia, 24/11/2000 - "Le Patologie da traumi ripetuti agli arti superiori. Epidemiologia, diagnosi, prevenzione", Associazione Lombarda di Medicina del lavoro e Igiene Industriale,

Brescia, 23-26/6/02 - "8th International Symposium on Neurobehavioral methods and Effects in Occupational and Environmental Health", Comitato Scientifico dell'ICOH Neurotoxicology and Psychophysiology,

Brescia, 17-18/6/06 - "Neurotoxic metals: lead, manganese and mercury. From research to prevention".

New York, 3/4/14 - "Asbestos workshop. New Declaration of Heslinki", Icahn School of Medicine at Mount Sinai

New York, 25-27/9/16 - "MANGANESE2016" Icahn School of Medicine at Mount Sinai.

Affiliazioni Professionali

Membro di varie associazioni scientifiche: "Società Italiana di Medicina del Lavoro e Igiene Industriale", International Commission on Occupational Health (ICOH); ex Chairman del Comitato Scientifico dell'ICOH su "Neurotoxicology and Psychophysiology"; Segretario del Comitato Scientifico dell'ICOH su "Toxicology of Metals"; "International Neurotoxicology Association"; "Collegium Ramazzini"; "American College of Occupational Medicine"; "Society of Toxicology".

Attività Editoriali

Board editoriale delle riviste: American Journal of Industrial Medicine, Neurotoxicology, Annals of Global Health, Science of the Total Environment (2006 to 2008), Advances in Pharmacology and Toxicology, International Journal of Pharmacology and Biological Sciences, Industrial Health, Safety and Health at Work, Annals of Occupational and Environmental Medicine, Toxics. Referee per varie riviste scientifiche internazionali fra cui Environmental Health Perspectives; Occupational and Environmental Medicine; Journal of Occupational Medicine; International Archives of Occupational and Environmental Medicine; "Environmental Research, International Journal of Occupational and Environmental Health.

Progetti di ricerca finanziati attuali

200-2017-93325 Lucchini, RG (PI) 04/01/2017-03/31/2022
CDC/NIOSH Total Funding: \$28,680,673

The World Trade Center Data and Coordination Center

This project is the coordinating center for a multicenter program providing monitoring and treatment to volunteers who assisted in the recovery and cleanup after the 9/11 attack. The Data Center collects data from five different clinical centers, provide data analysis with periodical reporting on health surveillance

T42 OH008422 Lucchini, RG (PI) 07/01/05 – 06/30/21
CDC/NIOSH Total Funding: \$8,667,721

NIOSH (Region II NY/NJ) Educational Resource Center.

The goal of this Educational Research Center is to provide training in occupational safety and health to occupational health professionals in the States of New York and New Jersey. The Center includes a network of five Institutions: Icahn School of Medicine at Mount Sinai (Occupational Medicine), Rutgers University (Occupational Medicine), Hunter College (Industrial Hygiene), New Jersey Institute of technology (Occupational Health and Safety), New York University (Ergonomics and Nursing) Center provides a variety of continuing education opportunities to OH&S professionals. My role is to coordinate all cores activities, keep periodical meeting to insure that all QA&QC is well managed.

R01ES019222-06A1 Lucchini, RG (PI) 9/30/16 - 8/31/21
NIH/NIEHS Total funding \$2,663,068

Manganese Exposure Windows and Neurologic Function in Adolescence.

This study will address the mechanisms by which environmental chemicals may impact adolescent brain development and can help explain and prevent maladaptive development from occurring potentially identifying future interventions to mitigate the impact of chemicals on the adolescent brain. The study is a follow up of the previous baseline conducted in the province of Brescia, Italy, and will entail functional MRI assessment.

U01OH011314 Lucchini, RG (PI) 09/01/16 – 08/31/20
CDC/NIOSH Total Funding: \$2,398,962

Structural and Functional Neuroimaging of Post-Traumatic Stress Disorder and Cognitive Impairment in World Trade Center Responders. This study will assess brain changes in World Trade Center responders who were exposed to a mix of neurotoxicants and to pshychological trauma, exploring interrelations between cognitive impairment and Post Traumatic Stress Disorder. Role: PI.

P30 ES023515 Wright RO (PI) 4/1/14 – 3/31/18
NIH/NIEHS \$753,156

The Mount Sinai Transdisciplinary Center on Early Environmental Exposure

This core center provides research infrastructure and pilot grants to investigators at Mount Sinai conducting environmental health research. I am the core leader of the Oxidant-Antioxidant Imbalance research group. Role: Co-I

UNBSCLE 9015 Lucchini, RG (PI) 11/1/16 – 10/30/18
University of Brescia, Italy Total funding €450,000

Health impacts of environmental exposure to airborne pollutants in the sites of Brescia and Taranto, Italy: increase knowledge to address preventive intervention of local and global relevance. Study aim is to assess the health impact of occupational and environmental exposure to metals and persistent organic pollutants in two Italian sites with relevant industrial emission. The study will focus on neurological and respiratory effects in workers, children and elderly, residing in the vicinities of the point sources. Transport of pollutants will be modeled from the emission points to the school and home environments and through soil to ground water.

Progetti di ricerca finanziati precedenti

C028597 Crane, M (PI) 4/1/16-3/31/17
NYS DOH

Selikoff Occupational Health Centers for New York City and Lower Hudson Valley. The two main emphases of the OHCN services provided by the Centers will be provision of high quality medical care and utilization of a public health approach to prevent work-related illnesses and injuries. The major services provided will be: accurate an expert diagnosis; screening of groups of workers from high risk occupations; prompt and appropriate referrals; and a range of primary, secondary and tertiary prevention activities. Role: Co-I.

U01 OH010988 Stein, C (PI) 07/01/15 – 06/30/17
CDC/NIOSH

Cognitive Function among World Trade Center Rescue and Recovery Workers – Direct Effect or Mediation through Comorbidities. The major goal of this project is to quantify the association between WTC exposure and cognitive function and to estimate the direct and indirect effects of WTC exposure on cognitive function. Role: Co-Investigator

R01 ES013744 Wright RO (PI) 11/1/12 – 10/31/16
NIH/NIEHS

Stress-Lead Interactions and Child Development - Social stressors, iron deficiency anemia, and lead exposure are all environmental risk factors for poor neurodevelopment in young children. This project determines the independent effect of pre- and post-partum maternal stress in predicting infant development, and the *multiplicative* joint effects of maternal stress/iron deficiency and maternal stress/lead poisoning in predicting infant development. Role: Co-Investigator

CCM 2013 Lucchini, RG (PI) 2/13/14 – 8/12/16
Istituto Superiore Sanità, Rome Italy Total funding €180,000

Biomonitoring and toxicity of pollutants in the territory of Taranto, Italy

Cross sectional study targeted children residing in the proximity of a large smelter plant generating exposure to metals (lead, arsenic, manganese, mercury, cadmium), dioxins, PCBs and PAH. Behavioral outcomes will be assessed and analyzed with statistical models targeting mixed exposure

R56-R01ES019222-06 Lucchini, RG (PI) 9/10/15 - 9/29/16
NIH/NIEHS Total funding: \$270,000

Manganese Exposure Windows and Neurologic Function in Adolescence. Primary objectives of this study is to characterize effects of environmental manganese (Mn) exposure on adolescent neurodevelopment through brain imaging. This is under consideration as a R01 beginning 9/30/2016.

R01 ES019222 Lucchini, RG (PI) 5/1/12 – 4/30/16
NIH/NIEHS Total funding \$2,848,986

Neurologic Function in Children Exposed to Ambient Manganese

Investigated neurodevelopmental toxicity of ambient Manganese exposure in the Brescian province in residents exposed to environmental and occupational exposure metals, including manganese and lead, since the early 1900s. Adolescents were enrolled from three target sites with current and historical exposure and a reference area. Several neuropsychological endpoints were assessed, with various exposure biomarkers and environmental measures on different media. Genetic data were also measured to assess gene-environment interactions.

INAIL 60002.02/07/2012 Lucchini, RG (PI) 7/1/12 - 12/31/15
Italian Work Compensation Institute Total funding €150,000
(INAIL)

Interaction between Genetic Predisposition and Occupational/environmental Exposure to Chemicals like Metals, Pesticides and Solvents in the Origin of Parkinsonian Disturbances A case-control study, retrospective occupational and environmental exposure to potential neurotoxic agents was assessed in Parkinson patients residing in the Brescian province in relation to genetic predisposition and various covariates.

170174 SAL-68	Lucchini, RG (PI)	1/1/11-06/30/12
Lombardy Region, Italy	Total funding €210,000	
Metals and children: International joint study between Lombardy Region, Italy and the University of Montreal, Québec, on the assessment of exposure biomarkers and various environmental media for metal concentration in Northern Italy and Québec. Biomarkers and environmental matrices yielded dose response assessment with neurobehavioral outcomes in children from both study sites.		
FOOD-CT-2006-016253/WPI6	Lucchini, RG (PI)	3/1/06-2/28/11
EU/6th Frame Program	Total funding €570,000	
Effects of manganese on the brain: Project goal was to evaluate the association between exposure to manganese and neurotoxic outcomes in residents near the vicinity of a former ferroalloy plants in Northern Italy. The study population included children, workers, elderly and pregnant women according to a lifetime exposure concept.		
PFA/DML/UO2/	Lucchini, RG (PI)	May 03/May 06
Italian Institute of Prevention and Safety at Work (ISPESL)		
Diagnostic markers of Parkinsonian syndromes with occupational and environmental origin Assessment of differential markers for the diagnosis of parkinsonian disturbances through a comparison of Parkinson patients with different degree of exposure to neurotoxic agents		
PFA/DML/UO3/	Lucchini, RG (PI)	Oct 01/Jul 05
Italian Institute of Prevention and Safety at Work (ISPESL)		
Alzheimer Disease: study of the risk related to occupational factors		
Case-control study on the risk associated to occupational exposure to neurotoxic agents		
98.728.PS13	Lucchini, RG (PI)	Jun 98/Dec 01
National Research Council (CNR)	Total funding €10,000	
Frequency of Parkinsonian disturbances among residents near ferroalloy industries.		
Assesse prevalence of Parkinsonian disturbances in a population with prolonged environmental exposure to manganese caused by the presence of ferroalloy industries		
COFIN98	Alessio, L (PI)	Jan 98/ Dec 00
Italian Ministry of University and Research (MURST)		
Assessment of effects due to low doses of inorganic mercury following environmental and occupational exposure: human and in vitro studies on specific toxicity mechanisms		
Study of the neurological, renal and immunological effects due to mercury exposure through occupation, dental amalgams and consumption of fish		
RC 38/97	Lucchini, RG (PI)	Nov 98/Nov 00
Italian Institute of Prevention and Safety at Work (ISPESL)		
Neurophysiological and neurochemical indicators of early effects for occupational exposure to metals.		
Assessment of neurophysiological and neurochemical indicators of early effects due to occupational exposure to heavy metals such as lead, manganese and mercury		
RN 44/96	Lucchini, RG (PI)	Jul 97/Jul 99
Italian Institute of Prevention and Safety at Work (ISPESL)		
Early neurotoxic effects in manganese exposed workers. Assessment of early effects of manganese exposure on neurobehavioral, neuroendocrine functions in ferroalloy workers		

PUBBLICAZIONI

Articoli in riviste peer-reviewed

1. **Lucchini RG**, McDiarmid M, van der Laan G, Rosen M, Placidi D, Randon K, Kurtz, L. Philip Landrigan Education And Training: Key Factors In Global Occupational And Environmental Health. *Annals Of Global Health*, 2018; 84(3):436–441
2. Hashim D, Boffetta P, Galsky M, Oh W, **Lucchini R**, Crane M, Luft L, Moline J, Udasin I, Harrison D, Schymura MJ, Taioli E. Prostate cancer characteristics in the World Trade Center cohort, 2002-2013. *European Journal of Cancer Prevention. Eur J Cancer Prev.* 2018 Jul;27(4):347-354. PubMed PMID: [27898584](#); PubMed Central PMCID: [PMC5443704](#)
3. Bilo F, Wambui A, Assi A, Zacco A, Federici S, Eichert D, Tsuji K, **Lucchini R**, Placidi D, Bontempi E, Depero LE. Comparison of multiple X-ray fluorescence techniques for elemental analysis of particulate matter collected on air filters. *Journal of Aerosol Science*, August 2018; 122: 1-10.
4. Bello GA, **Lucchini RG**, Teitelbaum SL, Shapiro M, Crane MA, Todd AC. Development of a Physiological Frailty Index for the World Trade Center General Responder Cohort. *Current Gerontology and Geriatrics Research Volume 2018 Feb 26;2018:3725926*; PubMed PMID: [29681931](#); PubMed Central PMCID: [PMC5846374](#)
5. **Lucchini RG**, Aschner M, Landrigan PJ, Cranmer J. Prevention of the Neurotoxicity Of Manganese: Indications For Future Research And Public Health Intervention. *Neurotoxicology* 2018 Jan;64:1-4. PubMed PMID: 29429640; PubMed Central PMCID: [PMC6058309](#)
6. Riva, M.A., Belingheri, M., De Vito, G. **Lucchini R**. Bernardino Ramazzini (1633-1714). *J Neurol*, 2018. <https://doi.org/10.1007/s00415-018-8733-y>
7. Bello GA, Teitelbaum SL, **Lucchini RG**, Dasaro CR, Shapiro M, Kaplan JR, Crane MA, Harrison DJ, Luft BJ, Moline JM, Udasin IG, Todd AC. Assessment of cumulative health risk in the World Trade Center general responder cohort. *Am J Ind Med* 2018 Jan;61(1):63-76
8. Wahlberg K, Arora M, Curtin A, Curtin P, Wright RO, Smith DR, **Lucchini RG**, Broberg K, Austin C. Polymorphisms in manganese transporters show developmental stage and sex specific associations with manganese concentrations in primary teeth. *Neurotoxicology* 2018 Jan, 64: 103-9
9. Bauer JA, Claus Henn B, Arora M, Austin C, Zoni S, Fedrighi C, Cagna G, Placidi D, White RF, Yang Q, Coull BA, Smith DR, **Lucchini RG**, Wright RO. Tooth manganese and neurobehavior: sex-specific windows of susceptibility. *Environ Int* 2017 Nov;108:299-308
10. Chiu YM, Claus Henn B, Hsu HL, Pendo MP, Coull BA, Austin C, Cagna G, Fedrighi C, Placidi D, Smith DR, Wright RO, **Lucchini RG**, Arora M. Sex differences in sensitivity to prenatal and early childhood manganese exposure on neuromotor function in adolescents. *Environ Res.* 2017 Nov; 159: 458-465.
11. Hashim D, Manczuk M, Holcombe R, Lucchini R, Boffetta P. Cancer mortality disparities among New York City's Upper Manhattan neighborhoods. *Eur J Cancer Prev.* 2017 Nov;26(6):453-460
12. Descatha A, Schunder-Tatzber S, Burgess J, Cassan P, Kubo T, Rothier S, Wada K, Baer M; EPROH Scientific Committee. Emergency Preparedness and Response in Occupational Setting: A Position Statement. *Front Public Health.* 2017 Sep 21;5:251.
13. Wahlberg K, Arora M, Curtin A, Curtin P, Wright RO, Smith DR, Lucchini RG, Broberg K, Austin C. Polymorphisms in manganese transporters show developmental stage and sex specific associations with manganese concentrations in primary teeth. *Neurotoxicology* 2017 Sep 13 [Epub ahead of print]
14. Lucchini R, Placidi D, Cagna G, Fedrighi C, Oppini M, Peli M, Zoni S. Manganese and Developmental Neurotoxicity. *Adv Neurobiol.* 2017;18:13-34.
15. Filippini T, Michalke B, Grill P, Malagoli C, Malavolti M, Vescovi L, Sieri S, Krogh V, Cherubini A, Maffei G, Lucchini R, Ferrante M, Vinceti M. Determinants of serum manganese levels in an Italian population. *Mol Med Rep.* 2017 May;15(5):3340-3349.
16. Dasaro CR, Holden WL, Berman KD, Crane MA, Kaplan JR, Lucchini RG, Luft BJ, Moline JM, Teitelbaum SL, Tirunagari US, Udasin IG, Weiner JH, Zigrossi PA, Todd AC. Cohort Profile: World Trade Center Health Program General Responder Cohort. *Int J Epidemiol.* 2017 Apr 1;46(2):e9
17. Napier CO, Mbadugha O, Bienenfeld LA, Doucette JT, Lucchini R, Luna-Sánchez S, de la Hoz RE. Obesity and weight gain among former World Trade Center workers and volunteers. *Arch Environ Occup Health.* 2017 Mar 4;72(2):106-110

18. Lucchini RG, Hashim D, Acquilla S, Basanets A, Bertazzi PA, Bushmanov A, Crane M, Harrison DJ, Holden W, Landrigan PJ, Luft BJ, Mocarelli P, Mazitova N, Melius J, Moline JM, Mori K, Prezant D, Reibman J, Reissman DB, Stazharau A, Takahashi K, Udasin IG, Todd AC A comparative assessment of major international disasters: the need for exposure assessment, systematic emergency preparedness, and lifetime health care. *BMC Public Health* 2017 Jan 7;17(1):46
19. Alimonti A, Benedetti C, Cagna G, Conversano M, Domanico F, Donna F, Falzarano A, Fedrighi C, Forte G, Giorgino A, Guazzetti S, Insogna S, Lattarulo R, Lucchini R, Majorani C, Marinaro T, Mongelli L, Montemurro M, Peli M, Pesare A, Petrucci F, Placidi D, Senofonte O, Zoni S. Studi di biomonitoraggio e tossicità degli inquinanti presenti nel territorio di Taranto - CCM 2013. RELAZIONE FINALE. Dicembre 2016 http://old.iss.it/binary/ilva/cont/3_127_222_Relazione_scientifica_CCM_Taranto_Finale.pdf
20. Lynn C. Onyebeke, Demetrios M. Papazaharias, Alice Freund, MSPH, Jonathan Dropkin, Michael McCann, Sadie H. Sanchez, John D. Meyer, Roberto G. Lucchini, Norman C. Zuckerman. Access to Properly Fitted Personal Protective Equipment for Female Construction Workers. *Am J Ind Med.* 2016 Nov;59(11):1032-1040
21. Icitovic N, Onyebeke LC, Wallenstein S, Dasaro CR, Harrison D, Jiang J, Kaplan JR, Lucchini RG, Luft BJ, Moline JM, Pendem L, Shapiro M, Udasin IG, Todd AC, Teitelbaum SL. The association between body mass index and gastroesophageal reflux disease in the World Trade Center Health Program General Responder Cohort. *Am J Ind Med.* 2016 Sep;59(9):761-6.
22. Jiang J, Icitovic N, Crane MA, Dasaro CR, Kaplan JR, Lucchini RG, Luft BJ, Moline JM, Pendem L, Shapiro M, Udasin IG, Todd AC, Teitelbaum SL. Sex differences in asthma and gastroesophageal reflux disease incidence among the World Trade Center Health Program General Responder Cohort. *Am J Ind Med.* 2016 Sep;59(9):815-22
23. Placidi D, Caci M, Oppini M, Passeri C, Guazzetti S, Rizzetti C, Padovani Am Covolo L, Gelatti U., Lucchini R. Determinanti ambientali e genetici di Parkinsonismo: risultati di uno studio caso-controllo condotto in provincia di Brescia *Giornale Italiano di Medicina del Lavoro ed Ergonomia* Luglio-Settembre 2016; 38: 3, suppl.: 36
24. Hashim D, Farhat Z, Wallenstein S, Manczuk M, Holcombe RF, Thorpe L, Schymura MJ, Lucchini RG, Boffetta P. Standardized cancer incident disparities in Upper Manhattan New York City neighborhoods: the role of race/ethnicity, socioeconomic status and known risk factors. *Eur J Cancer Prev.* 2016 Jul;25(4):349-56
25. Placidi D, Caci M, Oppini M, Passeri C, Guazzetti S, Rizzetti C, Padovani Am Covolo L, Gelatti U., Lucchini R. Environmental and genetic determinants of parkinsonism from a case-control study in Brescia, Italy. *Environ Health Perspectives* 2016 March; 3: 217
26. Reibman J, Levy-Carrick N, Miles T, Flynn K, Hughes C, Crane M, Lucchini RG. Destruction of the World Trade Towers: Lesson Learned from an environmental disaster. *Ann Am Thorac Soc.* 2016 Feb 12, PMID: 26872108
27. Stein CR, Wallenstein S, Shapiro M, Hashim D, Moline JM, Udasin I, Crane MA, Luft BJ, Lucchini RG, Holden WL. Mortality among World Trade Center Rescue and Recovery Workers, 2002 – 2011. *Am J Ind Med.* 2016 Feb;59(2):87-95
28. Boffetta P, Zeig-Owens R, Wallenstein S, Li J, Brackbill R, Cone J, Farfel M, Holden W, Lucchini R, Webber MP, Prezant D, Stellman SD. Cancer in World Trade Center Responders: Findings from Multiple Cohorts and Options for Future Study. *Am J Ind Med.* 2016 Feb;59(2):96-105.
29. Wahlberg K, Kippler M, Alhamdow A, Rahman M, Smith DR, Vahter M, Lucchini R. Common polymorphisms in the solute carrier SLC30A10 are associated with blood manganese and neurological function. *Toxicol Sci.* 2016 Feb;149(2):473-83.
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31. Rosa MJ, Benedetti C, Peli M, Donna F, Nazzaro M, Fedrighi C, Zoni S, Marcon A, Zimmerman N, Wright R, Lucchini R. Association between personal exposure to ambient metals and respiratory disease in Italian adolescents: a cross-sectional study. *BMC Pulm Med.* 2016 Jan 12;16(1):6.
32. Lucchini RG, Landrigan PJ. Occupational Health and Safety in the Expanding Economies: Severe Challenges and the Need for Action Through Education and Training. *Ann Glob Health.* 2015 Jul-Aug;81(4):463-4.
33. Lucchini RG, Hashim D. Tremor secondary to neurotoxic exposure: mercury, lead, solvents, pesticides. *Handb Clin Neurol.* 2015;131:241-9.
34. Ferri R, Hashim D, Smith DR, Guazzetti S, Donna F, Ferretti E, Curatolo M, Moneta C, Beone GM, Lucchini RG. Metal contamination of home gardens soils and cultivated vegetables in the province of Brescia, Italy: Implications for human exposure. *Sci Tot Environ* 2015; 518-519C:507-517

35. Lucas EL, Bertrand P, Guazzetti S, Donna F, Peli M, Jursa TP, Lucchini R, Smith DR. Impact of ferromanganese alloy plants on household dust manganese levels: Implications for childhood exposure. *Environ Res.* 2015 Mar 3;138C:279-290
36. Hashim D, Gaughan D, Boffetta P, Lucchini RG. Baseline serum B-carotene concentration and mortality among long-term asbestos-exposed insulators. *Cancer Epidemiol Biomarkers Prev.* 2015, 24(3):555-60.
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Book Chapters

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