

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Andrea Ranzi**
FC/VAT RNZNDR69C30F257Q
Telephone(s) +39 059 433625 (work), +39 +39 059270816 (home) Mobile: +39 3497735582
Address(es) Via Braghiroli 63, 41125 Modena – Italy
E-mail aranzi@arpae.it (work); andrea.ranzi@fastwebnet.it (personal e-mail)
Nationality Italian
Date of birth 30/03/1969
Gender Male

Work experience

Dates October 1998 – ongoing
Occupation or position held **Project manager in environmental epidemiology**
Main activities and responsibilities Managing and implementing projects on exposure assessment methods and modelling, epidemiological studies on environmental-health issues at regional, national and European level. Scientific responsible of a national project on Impact Assessment of Waste Management. Leader of the Epidemiological analyses WP of the 7 million Euros project “Supersite – Air quality and human health” founded by the Regional Authority. Responsible of health impact activities in different national projects. Involved in several European projects on environmental-health issues, and Working groups managed by WHO on Environmental Justice and Contaminated Sites.
Name and address of employer Regional Agency for Environmental Prevention, Regional Centre for Environment and Health – Viale Giardini 472/L, 41126 Modena - Italy
Type of business or sector Environmental Protection and Health Prevention

International work experiences

Dates June 2019-June 2020
Occupation or position held **WHO temporary adviser**
Main activities and responsibilities WHO supplier for activities on contaminated sites and health, with particular reference to health impact assessment of large industrial facilities
Name and address of employer WHO Regional Office for Europe
Type of business or sector Health Impact Assessment
Dates March 2019 - December 2019
Occupation or position held **Adjunct Professor**
Main activities and responsibilities Undergraduate course in Environmental Epidemiology
Name and address of employer University of Bologna – Dept. Statistical Sciences “Paolo Fortunati”
Type of business or sector Teaching
Dates March 2017 - March 2019
Occupation or position held **Short-term expert (STE) – Twinning project “ENI/2015/037-862 GE/22, “Institutional Strengthening of Environmental Health System of Georgia”**
Main activities and responsibilities Health Impact Assessment: Activities and training
Name and address of employer EU Commission (NCDC & PH National Center for Disease Control & Public Health - Georgia)
Type of business or sector Health Impact Assessment, Environmental Epidemiology

Dates	September 2016 - December 2016
Occupation or position held	WHO temporary adviser and APW
Main activities and responsibilities	WHO supplier (APW contract) for the development of analyses of health impact of waste-related exposures in EU.
Name and address of employer	WHO Regional Office for Europe
Type of business or sector	Environmental Epidemiology
Dates	September 2015 - December 2015
Occupation or position held	WHO temporary adviser and APW
Main activities and responsibilities	Temporary adviser and APW for the organization and follow-up of the WHO meetings " <i>Waste and human health: evidence and needs</i> ", held in Bonn on 5-6 November 2015.
Name and address of employer	WHO Regional Office for Europe
Type of business or sector	Environmental Epidemiology
Dates	July 2010 – June 2016
Occupation or position held	WP Leader - "Supersito" project
Main activities and responsibilities	Management of project activities related to epidemiological analyses WP on short- and long-term effects of urban aerosol on health
Name and address of employer	Arpae Emilia-Romagna
Type of business or sector	Environmental Epidemiology
Dates	March 2011 – June 2011
Occupation or position held	WHO temporary adviser
Main activities and responsibilities	Temporary adviser to the group meetings and contributor of the WHO report "Environmental health inequalities in Europe. Assessment report".
Name and address of employer	WHO Regional Office for Europe
Type of business or sector	Environmental Justice
Dates	November 2011 and June 2012
Occupation or position held	WHO temporary adviser
Main activities and responsibilities	Temporary adviser of the WHO working group on "Contaminated sites and health".
Name and address of employer	WHO Regional Office for Europe
Type of business or sector	Environmental Epidemiology
Dates	February 2008– July 2008
Occupation or position held	Short-term expert (STE) – Twinning project. Rising awareness on exposure based risk assessment of chemicals
Main activities and responsibilities	Teaching risk assessment
Name and address of employer	EU Commission (Ministry of Social Affairs - MoSA), Estonia
Type of business or sector	Twining Project, Risk assessment
Dates	April 2006– October 2008
Occupation or position held	Short-term expert (STE) – Twinning project. Capacity building in the field of environmental health
Main activities and responsibilities	Teaching environmental health issues
Name and address of employer	EU Commission (Nofer Institute, ARPA Emilia-Romagna), Poland
Type of business or sector	Twining Project, Capacity building
Dates	April 2006– April 2007
Occupation or position held	Short-term expert (STE) – Twinning project. Transition Facility
Main activities and responsibilities	Implementation of Risk Assessment procedures in water monitoring and GIS procedures
Name and address of employer	EU Commission (Polish Ministry of health, ARPA Emilia- Romagna), Poland
Type of business or sector	Twining Project, Risk assessment of drinkable water
Dates	July 2003– July 2004

Occupation or position held	Short-term expert (STE) – Twinning project. PHARE
Main activities and responsibilities	Implementation of Epidemiology and statistical education
Name and address of employer	EU Commission (Polish Ministry of health, Italian Ministry of Environment), Poland
Type of business or sector	Twining Project, Environmental Epidemiology

Education and training

Dates	January 2009- January 2011
Title of qualification awarded	Master of Science (M.Sc.) in Epidemiology
Principal subjects / occupational skills	Statistics and Epidemiology
Name and type of organisation providing education and training	University of Turin
Dates	November 1994 – November 1998
Title of qualification awarded	PhD in Human Morphological Sciences
Principal subjects / occupational skills	Morphometry, medical statistics, mathematical model of growth of human organs
Name and type of organisation providing education and training	University of Bologna
Dates	October 1987- March 1992
Title of qualification awarded	Degree in Mathematics
Name and type of organisation providing education and training	University of Modena

Personal skills and competences

Mother tongue(s) **Italian**
 Other language(s)

Self-assessment

European level

English

Understanding				Speaking				Writing
Listening		Reading		Spoken interaction		Spoken production		
C1	Independent user	C2	Proficient user	C1	Independent user	C1	Independent user	C2

Organisational skills and competences Very good capability in organizing and coordinating working groups, at national and international level. Cleverness in linking different professional skills. Ability to work in team and to plan, organize, and keep projects going.

Technical skills and competences Experience in handling and integrating huge datasets, define suitable indicators, data-mining procedures, statistical and epidemiological analyses. Experience in producing technical reports and presentations, and teaching in courses on environmental, health and statistic arguments

Computer skills and competences Advanced skill (programming) with database (Access) and statistical packages (Stata); Advanced use of ArcGis, Office. Working knowledge of SPSS, R

Additional information

Editorship	2011 to present: Editorial board of “Epidemiologia e Prevenzione” 2018 – Associate Editor of BMC Public Health
Scientific Societies	Italian Epidemiological Association (AIE) (member of the Board in 2008-2010) International Society of Environmental Epidemiology (ISEE) (member of the Italian Board of the 28th Annual Conference in 2016)
Invited Reviewer	Waste Management, BMJ Open, Environmental Health, Journal of Environmental and Public Health, PlosOne, Epidemiologia e Prevenzione, International Archives of Occupational and Environmental Health, Environment International, Atmosphere, Chemosphere
Publications	Co-author of 90+ publications in peer-reviewed scientific journals, 13 book chapters, 36 abstracts in International Conferences with Proceedings on indexed journals h-index: 39 (Google Scholar); 34 (Scopus) (last update: Aug. '20)
Websites	https://scholar.google.it/citations?hl=it&pli=1&user=T11lo1IAAAAJ https://www.ncbi.nlm.nih.gov/myncbi/andrea.ranzi.1/bibliography/public/ https://www.mendeley.com/profiles/andrea-ranzi2/ https://www.linkedin.com/in/andrea-ranzi/
Scientific Teaching License	2013: License of associate professor (Abilitazione scientifica nazionale) – sector 06/M1
Teaching activities	2019-: Adjunct Professor – University of Bologna, Department of Statistical Sciences. Teaching: Environmental Epidemiology Supervisor of Master Thesis (Master in Epidemiology – Simone Giannini - 2013) Supervisor of Degree Thesis in Statistics (Bianca Gherardi - 2012) and Environmental Engineering (Gianluca Crisci - 2016, Lorenzo Vaccari - 2017, Elena Sambuchi - 2019). Teaching activities in different courses: - Trainer at the First International Training School on Environmental health in industrially contaminated sites (COST Action IS1408 - ICSHNet) - February 2017 - Master in Environmental Management- University of Bologna (2016) - Master in Epidemiology – University of Turin – (2011) - Degree course for technicians for prevention – University of Parma (2012, 2013, 2016) - Degree course for technicians for prevention – University of Bologna (2012, 2013, 2016) - Degree course in Environmental Engineering – University of Modena – (2011) - Graduate School in Hygiene – University of Modena e Reggio Emilia (2009) - Advanced Course in Environmental and Health Emergencies - University of Modena e Reggio Emilia (2016-17)

European Projects

- Twinning project “ENI/2015/037-862 GE/22, “Institutional Strengthening of Environmental Health System of Georgia”, 2018-2019
- ICSHNet - COST-Action – 2015-2019
- “Exposomics” (FP7 Grant - ENV.2012.6.4-3) – 2013-2017 (invited expert)
- “Equity Action” Project (Framework of the Health Programme of European Union), 2011-2012.
- “Escape - European Study of Cohorts for Air Pollution Effects” - ENV.2007.1.2.2.2. FP7 Project (invited expert), 2008-2012
- Med-Particles - “Particles size and composition in Mediterranean countries: geographical variability and short-term health effects” EU-LIFE10 ENV/IT/327, 2010-2012
- INTARESE – Integrated Assessment of Health Risks of Environmental Stressors in Europe. EU-FP6. (invited expert), 2007-2011
- Twinning Project Light “Rising awareness on exposure based risk assessment of chemicals” EE05/IB/TWP-ESC-09, 2009.
- INTERREG-IIIC Project “Enhance Health – Environmental Health Surveillance System in Urban Areas, near Incinerators and Industrial Premises”(2004-2006)
- “Development of Environment and Health Indicators for the EU countries” ECOEHIS, 2001.
- Twinning Project “Capacity building in the field of environmental health”- PL2005/IB/EN/02, 2001-2003.
- Twinning Project “Management System on Drinking Water Monitoring in Chief Sanitary Inspectorate” - PL2004/IB/EN/02, 2002-2003.

ANNEXES

Scientific publications

ANNEX:

List of Scientific publications

a) Scientific papers in peer-reviewed Journals

97. Ottone M, Broccoli S, Parmagnani F, Giannini S, Scotto F, Bonvicini L, Luberto F, Bacco D, Trentini A, Poluzzi V, Angelini P, Colacci A, Giorgi Rossi P, Ranzi A. Source-related components of fine particulate matter and risk of adverse birth outcomes in Northern Italy. *Environ Res*, Vol. 186, July 2020, 109564. doi: 10.1016/j.envres.2020.109564
96. van Nunen E, Vermeulen R, Tsai MY, Probst-Hensch N, Ineichen A, Imboden M, Naccarati A, Tarallo S, Raffaele D, **Ranzi A**, Nieuwenhuijsen M, Jarvis D, Amaral AFS, Vlaanderen J, Meliefste K, Brunekreef B, Vineis P, Gulliver J, Hoek G. Associations between modeled residential outdoor and measured personal exposure to ultrafine particles in four European study areas. *Atmospheric Environment*. 2020 Vol. 226, 117353. doi: 10.1016/j.atmosenv.2020.117353.
95. Spadea T, Pacelli B, **Ranzi A**, Galassi C, Rusciani R, Demaria M, Caranci N, Michelozzi P, Cerza F, Davoli M, Forastiere F, Cesaroni G. An Italian Network of Population-Based Birth Cohorts to Evaluate Social and Environmental Risk Factors on Pregnancy Outcomes: The LEAP Study. *Int J Environ Res Public Health*. 2020 May 21;17(10):3614. doi: 10.3390/ijerph17103614.
94. Galise I, Serinelli M, Morabito A, Pastore T, Tanzarella A, Laghezza V, Nocioni A, Giua R, Bauleo L, Bruno V, Ancona C, **Ranzi A**, Bisceglia L; Gruppo collaborativo VDS. [The Integrated Environmental Health Impact of emissions from a steel plant in Taranto and from a power plant in Brindisi, (Apulia Region, Southern Italy)]. *Epidemiol Prev*. 2019 Sep-Dec;43(5-6):329-337. Italian.
93. Colles A, Ardeleanu ER, Cendeias C, **Ranzi A**, Demeter Z, Hofer A, Kowalska M, Makris KC, Arrebola JP, Schoeters G, Hough R, Pérez-Carrascosa FM, Iavarone I, Martin-Olmedo P, Kalantzi OI, Ancona C, Ancona C, Pasetto R, Fletcher T, Hoek G, de Hoogh K. Human biomonitoring as a tool for exposure assessment in industrially contaminated sites (ICSs). Lessons learned within the ICS and Health European Network. *Epidemiol Prev*. 2019 Jul-Aug;43(4):249-259.
92. Martin-Olmedo P, Sánchez-Cantalejo C, Ancona C, **Ranzi A**, Bauleo L, Fletcher T, Arrebola JP, Pasetto R, de Hoogh K, Martuzzi M, Loots I, Morrens B, Iavarone I. Industrial contaminated sites and health: results of a European survey. *Epidemiol Prev*. 2019 Jul-Aug;43(4):238-248.
91. Martin-Olmedo P, **Ranzi A**, Santoro M, Dack S, de Hoogh K, Martuzzi M, Dogliotti E, Hoek G, Tomasova J, Dimovska M, Iavarone I. Methods and data needs to assess health impacts of chemicals in industrial contaminated sites. *Epidemiol Prev*. 2019 Jul-Aug;43(4):223-237.
90. Zona A, Iavarone I, Buzzoni C, Conti S, Santoro M, Fazzo L, Pasetto R, Pirastu R, Bruno C, Ancona C, Bianchi F, Forastiere F, Manno V, Minelli G, Minerba A, Minichilli F, Stoppa G, Pierini A, Ricci P, Scodotto S, Bisceglia L, Cernigliaro A, Ranzi A, Comba P; Gruppo di lavoro SENTIERI; Gruppo di lavoro AIRTUM-SENTIERI; Gruppo di lavoro Malformazioni congenite-SENTIERI. [SENTIERI: Epidemiological Study of Residents in National Priority Contaminated Sites. Fifth Report]. *Epidemiol Prev*. 2019 Mar-Jun;43(2-3S1):1-208.
89. Cilluffo G, Ferrante G, Fasola S, Montalbano L, Malizia V, Piscini A, Romaniello V, Silvestri M, Stramondo S, Stafoggia M, **Ranzi A**, Viegi G, La Grutta S. Associations of greenness, greyness and air pollution exposure with children's health: a cross-sectional study in Southern Italy. *Environ Health*. 2018 Dec 5;17(1):86.
88. Shaddick G, **Ranzi A**, Thomas ML, Aguirre-Perez R, Dunbar Bekker-Nielsen M, Parmagnani F, Martuzzi M. Towards an assessment of the health impact of industrially contaminated sites: waste landfills in Europe. *Epidemiol Prev*. 2018 Sep-Dec;42(5-6 Suppl 1):69-75.
87. Hoek G, **Ranzi A**, Alimehmeti I, Ardeleanu ER, Arrebola JP, Ávila P, Candeias C, Colles A, Crişan GC, Dack S, Demeter Z, Fazzo L, Fierens, Flückiger B, Gaengler S, Hänninen O, Harzia H, Hough R, Iantovics BL, Kalantzi OI, Karakitsios SP, Markis KC, Martin-Olmedo P, Nechita E, Nicoli T, Orru H, Pasetto R, Pérez-Carrascosa FM, Pestana D, Rocha F, Sarigiannis DA, Teixeira JP, Tsadilas C, Tasic V, Vaccari L, Iavarone I, de Hoogh K. A review of exposure assessment methods for epidemiological studies of health effects related to industrially contaminated sites. *Epidemiol Prev*. 2018 Sep-Dec;42(5-6S1):21-36.
86. Martin-Olmedo P, Hams R, Santoro M, **Ranzi A**, Hoek G, de Hoogh K, Leonardi GS. Environmental and health data needed to develop national surveillance systems in industrially contaminated sites. *Epidemiol Prev*. 2018 Sep-Dec;42(5-6S1):11-20. Review.
85. Weinmayr G, Pedersen M, Stafoggia M, Andersen ZJ, Galassi C, Munkenast J, Jaensch A, Oftedal B, Krog NH, Aamodt G, Pyko A, Pershagen G, Korek M, De Faire U, Pedersen NL, Östenson CG, Rizzuto D, Sørensen M, Tjønneland A, Bueno-de-Mesquita B, Vermeulen R, Eeftens M, Concin H, Lang A, Wang M, Tsai MY, Ricceri F, Sacerdote C, **Ranzi A**, Cesaroni G, Forastiere F, de Hoogh K, Beelen R, Vineis P, Kooter I, Sokhi

R, Brunekreef B, Hoek G, Raaschou-Nielsen O, Nagel G. Particulate matter air pollution components and incidence of cancers of the stomach and the upper aerodigestive tract in the European Study of Cohorts of Air Pollution Effects (ESCAPE). *Environ Int.* 2018 Aug 7;120:163-171.

84. Jeong A, Fiorito G, Keski-Rahkonen P, Imboden M, Kiss A, Robinot N, Gmuender H, Vlaanderen J, Vermeulen R, Kyrtopoulos S, Herceg Z, Ghantous A, Lovison G, Galassi C, **Ranzi A**, Krogh V, Grioni S, Agnoli C, Sacerdote C, Mostafavi N, Naccarati A, Scalbert A, Vineis P, Probst-Hensch N; EXPOsOMICS Consortium. Perturbation of metabolic pathways mediates the association of air pollutants with asthma and cardiovascular diseases. *Environ Int.* 2018 Jul 7;119:334-345.

83. Campo L, Polledri E, Bechtold P, Gatti G, Quattrini G, Olgiati L, Romolo M, **Ranzi A**, Lauriola P, Carrozzi G, Fustinoni S. ETS Exposure and PAH Body Burden in Nonsmoking Italian Adults. *Int J Environ Res Public Health.* 2018 Jun 1;15(6). pii: E1156.

82. Nagel G, Stafoggia M, Pedersen M, Andersen ZJ, Galassi C, Munkenast J, Jaensch A, Sommar J, Forsberg B, Olsson D, Oftedal B, Krog NH, Aamodt G, Pyko A, Pershagen G, Korek M, De Faire U, Pedersen NL, Östenson CG, Fratiglioni L, Sørensen M, Tjønneland A, Peeters PH, Bueno-de-Mesquita B, Vermeulen R, Eeftens M, Plusquin M, Key TJ, Concin H, Lang A, Wang M, Tsai MY, Grioni S, Marcon A, Krogh V, Ricceri F, Sacerdote C, **Ranzi A**, Cesaroni G, Forastiere F, Tamayo-Uria I, Amiano P, Dorronsoro M, de Hoogh K, Beelen R, Vineis P, Brunekreef B, Hoek G, Raaschou-Nielsen O, Weinmayr G. Air pollution and incidence of cancers of the stomach and the upper aerodigestive tract in the European Study of Cohorts for Air Pollution Effects (ESCAPE). *Int J Cancer.* 2018 Apr 26.

81. Fiorito G, Vlaanderen J, Polidoro S, Gulliver J, Galassi C, **Ranzi A**, Krogh V, Grioni S, Agnoli C, Sacerdote C, Panico S, Tsai MY, Probst-Hensch N, Hoek G, Herceg Z, Vermeulen R, Ghantous A, Vineis P, Naccarati A. Oxidative stress and inflammation mediate the effect of air pollution on cardio- and cerebrovascular disease: A prospective study in nonsmokers. *Environ Mol Mutagen.* 2017 Nov 8.

80. Gulliver J, Morley D, Dunster C, McCrea A, van Nunen E, Tsai MY, Probst-Hensch N, Eeftens M, Imboden M, Ducret-Stich R, Naccarati A, Galassi C, **Ranzi A**, Nieuwenhuijsen M, Curto A, Donaire-Gonzalez D, Cirach M, Vermeulen R, Vineis P, Hoek G, Kelly FJ. Land use regression models for the oxidative potential of fine particles (PM_{2.5}) in five European areas. *Environ Res.* 2018 Jan;160:247-255.

79. Gatti MG, Bechtold P, Campo L, Barbieri G, Quattrini G, **Ranzi A**, Sucato S, Olgiati L, Polledri E, Romolo M, Iacuzio L, Carrozzi G, Lauriola P, Goldoni CA, Fustinoni S. Human biomonitoring of polycyclic aromatic hydrocarbons and metals in the general population residing near the municipal solid waste incinerator of Modena, Italy. *Chemosphere.* 2017 Aug 5;186:546-557.

78. Nunen EV, Vermeulen R, Tsai MY, Probst-Hensch N, Ineichen A, Davey ME, Imboden M, Ducret-Stich R, Naccarati A, Raffaele D, **Ranzi A**, Ivaldi C, Galassi C, Nieuwenhuijsen MJ, Curto A, Donaire-Gonzalez D, Cirach M, Chatzi L, Kampouri M, Vlaanderen J, Meliefste K, Buijtenhuijs D, Brunekreef B, Morley D, Vineis P, Gulliver J, Hoek G. Land use regression models for Ultrafine Particles in six European areas. *Environ Sci Technol.* 2017 Feb 28.

77. Giannini S, Baccini M, Randi G, Bonafè G, Lauriola P, **Ranzi A**. Estimating deaths attributable to airborne particles: sensitivity of the results to different exposure assessment approaches. *Environ Health.* 2017 Feb 22;16(1):13.

76. Pedersen M, Andersen ZJ, Stafoggia M, Weinmayr G, Galassi C, Sørensen M, Eriksen KT, Tjønneland A, Loft S, Jaensch A, Nagel G, Concin H, Tsai MY, Grioni S, Marcon A, Krogh V, Ricceri F, Sacerdote C, **Ranzi A**, Sokhi R, Vermeulen R, Hoogh K, Wang M, Beelen R, Vineis P, Brunekreef B, Hoek G, Raaschou-Nielsen O. Ambient air pollution and primary liver cancer incidence in four European cohorts within the ESCAPE project. *Environ Res.* 2017 Apr;154:226-233.

75. Alessandrini ER, Stafoggia M, Faustini A, Berti G, Canova C, De Togni A, Di Biagio K, Gherardi B, Giannini S, Lauriola P, Pandolfi P, Randi G, **Ranzi A**, Simonato L, Zauli Sajani S, Cadum E, Forastiere F; , on behalf of the EpiAir2 Study Group. Association Between Short-Term Exposure to PM_{2.5} and PM₁₀ and Mortality in Susceptible Subgroups: A Multisite Case-Crossover Analysis of Individual Effect Modifiers. *Am J Epidemiol.* 2016 Oct 25

74. Cordioli M, Pironi C, De Munari E, Marmiroli N, Lauriola P, **Ranzi A**. Combining land use regression models and fixed site monitoring to reconstruct spatiotemporal variability of NO₂ concentrations over a wide geographical area. *Sci Total Environ.* 2017 Jan 1;574:1075-1084.

73. Pedersen M, Stafoggia M, Weinmayr G, Andersen ZJ, Galassi C, Sommar J, Forsberg B, Olsson D, Oftedal B, Krog NH, Aamodt G, Pyko A, Pershagen G, Korek M, De Faire U, Pedersen NL, Östenson CG, Fratiglioni L, Sørensen M, Eriksen KT, Tjønneland A, Peeters PH, Bueno-de-Mesquita B, Vermeulen R, Eeftens M, Plusquin M, Key TJ, Jaensch A, Nagel G, Concin H, Wang M, Tsai MY, Grioni S, Marcon A, Krogh V, Ricceri F, Sacerdote C, **Ranzi A**, Cesaroni G, Forastiere F, Tamayo I, Amiano P, Dorronsoro M, Stayner LT, Kogevinas M, Nieuwenhuijsen MJ, Sokhi R, de Hoogh K, Beelen R, Vineis P, Brunekreef B, Hoek G, Raaschou-Nielsen O. Is There an Association Between Ambient Air Pollution and Bladder Cancer Incidence? Analysis of 15 European Cohorts. *Eur Urol Focus.* 2016 Nov 26. pii: S2405-4569(16)30166-3.

72. Guidotti I, Lugli L, Guerra MP, Ori L, Gallo C, Cavalleri F, **Ranzi A**, Frassoldati R, Berardi A, Ferrari F. Hypothermia reduces seizure burden and improves neurological outcome in severe hypoxic-ischemic encephalopathy: an observational study. *Dev Med Child Neurol.* 2016 Jul 22..

71. Campo L, Polledri E, Bechtold P, Gatti G, **Ranzi A**, Lauriola P, Goldoni CA, Bertazzi PA, Fustinoni S. Determinants of active and environmental exposure to tobacco smoke and upper reference value of urinary cotinine in not exposed individuals. *Environ Res* 148(2016)154–163
70. Raaschou-Nielsen O, Beelen R, Wang M, Hoek G, Andersen ZJ, Hoffmann B, Stafoggia M, Samoli E, Weinmayr G, Dimakopoulou K, Nieuwenhuijsen M, Xun WW, Fischer P, Eriksen KT, Sørensen M, Tjønneland A, Ricceri F, de Hoogh K, Key T, Eeftens M, Peeters PH, Bueno-de-Mesquita HB, Meliefste K, Oftedal B, Schwarze PE, Nafstad P, Galassi C, Migliore E, **Ranzi A**, Cesaroni G, Badaloni C, Forastiere F, Penell J, De Faire U, Korek M, Pedersen N, Östenson CG, Pershagen G, Fratiglioni L, Concin H, Nagel G, Jaensch A, Ineichen A, Naccarati A, Katsoulis M, Trichopoulou A, Keuken M, Jedynska A, Kooter IM, Kukkonen J, Brunekreef B, Sokhi RS, Katsouyanni K, Vineis P. Particulate matter air pollution components and risk for lung cancer. *Environ Int.* 2016 Feb;87:66-73.
69. **Ranzi A**, Freni Sterrantino A, Forastiere F, Sartini C, Casale G, Cavallini R, De Togni A, Gallo L, Lauriola P. Asthmatic symptoms and air pollution: a panel study on children living in the Italian Po Valley. *Geospat Health.* 2015 Nov 26;10(2):366.
- 68 Tsai MY, Hoek G, Eeftens M, de Hoogh K, Beelen R, Beregszászi T, Cesaroni G, Cirach M, Cyrys J, De Nazelle A, de Vocht F, Ducret-Stich R, Eriksen K, Galassi C, Gražulevičienė R, Gražulevičius T, Grivas G, Gryparis A, Heinrich J, Hoffmann B, Iakovides M, Keuken M, Krämer U, Künzli N, Lanki T, Madsen C, Meliefste K, Merritt AS, Mølter A, Mosler G, Nieuwenhuijsen MJ, Pershagen G, Phuleria H, Quass U, **Ranzi A**, Schaffner E, Sokhi R, Stempfelet M, Stephanou E, Sugiri D, Taimisto P, Tewis M, Udvardy O, Wang M, Brunekreef B. Spatial variation of PM elemental composition between and within 20 European study areas - Results of the ESCAPE project. *Environ Int.* 2015 Nov;84:181-92.
- 67 Stafoggia M, Zauli-Sajani S, Pey J, Samoli E, Alessandrini E, Basagaña X, Cernigliaro A, Chiusolo M, Demaria M, Díaz J, Faustini A, Katsouyanni K, Kelessis AG, Linares C, Marchesi S, Medina S, Pandolfi P, Pérez N, Querol X, Randi G, **Ranzi A**, Tobias A, Forastiere F; and the MED-PARTICLES Study Group. Desert Dust Outbreaks in Southern Europe: Contribution to Daily PM10 Concentrations and Short-Term Associations with Mortality and Hospital Admissions. *Environ Health Perspect.* 2015 Jul 24.
- 66 Gherardi B, Tommaso G, **Ranzi A**, Zauli Sajani S, De Togni A, Pizzi L, Lauriola P. [Meta-analysis or pooled analysis? A comparison based on time-series used for the analysis of short-term effects of air pollution on human health]. *Epidemiol Prev.* 2015 Mar-Apr;39(2):98-105. Italian.
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Andrea Ranzi