



## Europass Curriculum Vitae



### Personal information

First name(s) / Surname(s) **First name Emanuela Surname Corsini**

E-mail emanuela.corsini@unimi.it

Nationality Italian

Date of birth May 26<sup>th</sup>, 1963

Gender female

### Desired employment / Occupational field

**Academia**

### Work experience

Dates 2018 – to present

Occupation or position held Full professor of Toxicology

Main activities and responsibilities Teaching and research

Name and address of employer Università degli Studi di Milano  
Via Festa del Perdono 7  
Milano

Dates 2004 – 2018

Occupation or position held Associate professor of Toxicology

Main activities and responsibilities Teaching and research

Name and address of employer Università degli Studi di Milano  
Via Festa del Perdono 7  
Milano

Dates 1992-1994 and 1996-2004

Occupation or position held Fellowship

Main activities and responsibilities Research at the Laboratory of Toxicology at the Department of Pharmacological and Biomolecular Sciences, School of Pharmacy, Università degli Studi di Milano, Milan, Italy

Name and address of employer UNIPRO  
Via Accademia 33  
20131 Milano

Dates 1994-1996

Occupation or position held Post-doctoral fellowship

Main activities and responsibilities Research at the Laboratory of Toxicology at the Department of Pharmacological and Biomolecular Sciences, School of Pharmacy, Università degli Studi di Milano

Name and address of employer Università degli Studi di Milano  
Via Festa del Perdono 7  
20100 Milano

Dates July – August 1995  
Occupation or position held Visiting Scientist  
Main activities and responsibilities Laboratory research on UV toxicity in the Laboratory of Dermatology directed by Dr S. Feldman at the Wake Forest University, Winston Salem, NC, USA

Dates November 1994 – March 1995  
Occupation or position held Visiting Scientist  
Main activities and responsibilities Research in Laboratory of Immunotoxicology directed by Prof. I. Kimber on the role of cytokines in contact dermatitis  
Name and address of employer CTL  
Alderley Park  
UK

Dates 1989 - 1992  
Occupation or position held Visiting scientist  
Main activities and responsibilities Research in the Laboratory of Toxicology directed by Dr M.I. Luster on the role of the immune system in asbestosis and on the immunomodulatory effects of pentamidine  
Name and address of employer NIEHS  
RTP, NC, USA

Dates 1985 - 1987  
Occupation or position held Student  
Main activities and responsibilities Research in Laboratory of Toxicology directed by Prof. C.L. Galli on food toxicology  
Name and address of employer Università degli Studi di Milano  
Via Festa del Perdono 7  
20100 Milano

## Education and training

Dates 1993  
Title of qualification awarded PhD in Food and Environmental Toxicology  
Principal subjects/occupational skills covered Role of the immune system in asbestosis  
Name and type of organisation providing education and training Università degli Studi di Milano and NIEHS, NC, USA

Dates 1982 - 1987  
Title of qualification awarded Bachelor degree in Food Science and Technology (Magna cum laude)  
Principal subjects/occupational skills covered Food toxicology  
Name and type of organisation providing education and training Università degli Studi di Milano

Dates 1982  
Title of qualification awarded High school degree  
Principal subjects/occupational skills covered Scientific high school  
Name and type of organisation providing education and training Collegio Villorosi San Giuseppe, Monza (MI), Italy  
Level in national or international classification High school

## Personal skills and

**competences**

Other language(s)

Self-assessment

European level (\*)

**Language****Language****English, French**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
4	English	4	English	4	English	4	English	4	English
1	French	2	French	1	French	1	French		

(\*) Common European Framework of Reference for Languages

While the knowledge of French is scholastic, the excellent knowledge of English is demonstrated by several working periods abroad, by the participation in numerous working groups, and in several international projects.

Skills and competences

Emanuela Corsini is a tenured full professor in toxicology at the School of Pharmacy at the Università degli Studi di Milano, Milan, Italy. As such, she organizes and teaches courses in the field of Toxicology at the School of Pharmacy and the School of Environmental Sciences, University of Milan. She has been active in training undergraduate and graduate students at her own university and has also developed and presented lectures for other academic institutions and professional societies, as well as for several SOT CE courses. Her research focuses on the refinement of alternative in vitro tests for immunotoxicity, promoting the regulatory acceptance of alternative methods, and on the understanding the mechanism of action of immunotoxic/immunomodulatory compounds at the molecular level. Dr. Corsini has served on multiple ECVAM and ICCVAM Panels and working groups to establish scientific confidence in alternative methods in immunotoxicology testing, performance standards for these novel assays and the development of integrated testing strategies for their use as part of comprehensive and predictive assessments. She has authored over 190 research publications in toxicology and related disciplines in peer-reviewed journals. She is active in numerous scientific and professional organizations and serves on several editorial boards of toxicology journals. Dr. Corsini currently serves as Secretary General of IUTOX (2019-2022). From 1999-2005 she served as the Treasurer for the Association for In Vitro Toxicology; from 2009-2013 she was a Member of the EUROTOX Education Sub Committee; from 2005-2011 she was the Chair of the Immunotoxicology and Chemical Specialty Section at EUROTOX; from 2010-2016 she was a member of the IUTOX Executive Committee; and from 2013-2021 she has been a member of the EUROTOX Executive Committee.

**ORCID ID:** 0000-0002-6927-5956**Bibliometric parameters:**Google scholar

Citations 9884

h-index: 54

**Selected publications (2015-2022):**

Masi M, Racchi M, Travelli C, Corsini E, Buoso E. Molecular Characterization of Membrane Steroid Receptors in Hormone-Sensitive Cancers. *Cells*. 2021 Nov 3;10(11):2999. doi: 10.3390/cells10112999

Maddalon A, Galbiati V, Colosio C, Mandić-Rajčević S, Corsini E. Glyphosate-based herbicides: Evidence of immune-endocrine alteration *Toxicology*. 2021 Jul;459:152851. doi: 10.1016/j.tox.2021.152851.

Brivio P, Buoso E, Masi M, Gallo MT, Gruca P, Lason M, Litwa E, Papp M, Fumagalli F, Racchi M, Corsini E, Calabrese F. The coupling of RACK1 with the beta isoform of the glucocorticoid receptor promotes resilience to chronic stress exposure. *Neurobiol Stress*. 2021 Jul 26;15:100372. doi: 10.1016/j.ynstr.2021.100372.

EFSA Panel on Food Additives and Flavourings (FAF), Younes M, Aquilina G, Castle L, Engel KH, Fowler P, Frutos Fernandez MJ, Fürst P, Gundert-Remy U, Gürtler R, Husøy T, Manco M, Mennes W, Moldeus P, Passamonti S, Shah R, Waalkens-Berendsen I, Wölfle D, Corsini E, Cubadda F, De Groot D, FitzGerald R, Gunnare S, Gutleb AC, Mast J, Mortensen A, Oomen A, Piersma A, Plichta V, Ulbrich B, Van Loveren H, Benford D, Bignami M, Bolognesi C, Crebelli R, Dusinska M, Marcon F, Nielsen E, Schlatter J, Vleminckx C, Barmaz S, Carfi M, Civitella C, Giarola A, Rincon AM, Serafimova R, Smeraldi C, Tarazona J, Tard A, Wright M. Safety assessment of titanium dioxide (E171) as a food additive. *EFSA J.* 2021 May 6;19(5):e06585. doi: 10.2903/j.efsa.2021.6585.

Buoso E, Kenda M, Masi M, Linciano P, Galbiati V, Racchi M, Dolenc MS, Corsini E. Effects of Bisphenols on RACK1 Expression and Their Immunological Implications in THP-1 Cells. *Front Pharmacol.* 2021 Sep 21;12:743991. doi: 10.3389/fphar.2021.743991

Corsini E, Buoso E, Galbiati V, Racchi M. Role of Protein Kinase C in Immune Cell Activation and Its Implication Chemical-Induced Immunotoxicity. *Adv Exp Med Biol.* 2021;1275:151-163. doi: 10.1007/978-3-030-49844-3\_6

Nozza E, Valentini S, Melzi G, Vecchi R, Corsini E. Advances on the immunotoxicity of outdoor particulate matter: A focus on physical and chemical properties and respiratory defence mechanisms. *Sci Total Environ.* 2021 Mar 12;780:146391. doi: 10.1016/j.scitotenv.2021.146391.

Masi M, Garattini E, Bolis M, Di Marino D, Maraccani L, Morelli E, Grolla AA, Fagiani F, Corsini E, Travelli C, Govoni S, Racchi M, Buoso E. OXER1 and RACK1-associated pathway: a promising drug target for breast cancer progression. *Oncogenesis.* 2020 Dec 11;9(12):105. doi: 10.1038/s41389-020-00291-x.

Buoso E, Masi M, Racchi M, Corsini E. Endocrine-Disrupting Chemicals' (EDCs) Effects on Tumour Microenvironment and Cancer Progression: Emerging Contribution of RACK1. *Int J Mol Sci.* 2020 Dec 3;21(23):9229. doi: 10.3390/ijms21239229.

Galbiati V, Corsini E. Human keratinocytes and monocytes co-culture cell system: an important contribution for the study of moderate and weak sensitizers. *Toxicol In Vitro.* 2020 Jul 3;68:104929. doi: 10.1016/j.tiv.2020.104929.

Lanni C, Catanzaro M, Fagiani F, Racchi M, Corsini E, Govoni S. Immune response in COVID-19: addressing a pharmacological challenge by targeting pathways triggered by SARS-CoV-2. *Signal Transduct Target Ther.* 2020 May 29;5(1):84. doi: 10.1038/s41392-020-0191-1.

Corsini E, Facchetti G, Esposito S, Maddalon A, Rimoldi I, Christodoulou MS. Antiproliferative effects of chalcones in T cell acute lymphoblastic leukemia-derived cells: Role of PKC $\beta$ . *Arch Pharm (Weinheim).* 2020 May 12:e2000062. doi: 10.1002/ardp.202000062.

Anlar HG, Galbiati V, Corsini E, BaŞaran N. Evaluation of the Possible Role of miRNAs in Chemical Allergen Potency. *Turk J Pharm Sci.* 2020 Aug;17(4):452-456. doi: 10.4274/tjps.galenos.2019.25349.

Buoso E, Masi M, Galbiati V, Maddalon A, M, Kenda M, Sollner Dolenc M, Marinovich M, Racchi M, Corsini E. Effect of estrogenic active compounds on the expression of rack1 and immunological implications. *Arch Toxicol.* 2020 Jun;94(6):2081-2095. doi: 10.1007/s00204-020-02756-9.

Kimura Y, Yasuno R, Watanabe M, Kobayashi M, Iwaki T, Fujimura C, Ohmiya Y, Yamakage K, Nakajima Y, Kobayashi M, Mashimo N, Takagi Y, Omori T, Corsini E, Germolec D, Inoue T, Roggen EL, Kojima H, Aiba S. An international validation study of the IL-2 Luc assay for evaluating the potential immunotoxic effects of chemicals on T cells and a proposal for reference data for immunotoxic chemicals. *Toxicol In Vitro.* 2020 Aug;66:104832. doi: 10.1016/j.tiv.2020.104832.

Guzelj S, Gobec M, Urbančič D, Mlinarič-Raščan I, Corsini E, Jakopin Ž. Structural features and functional activities of benzimidazoles as NOD2 antagonists. *Eur J Med Chem.* 2020 Mar 15;190:112089. doi: 10.1016/j.ejmech.2020.112089.

Galbiati V, Marinovich M, Corsini E. Mechanistic understanding of dendritic cell activation in skin sensitization: additional evidences to support potency classification. *Toxicol Lett.* 2020 Apr 1;322:50-57. doi: 10.1016/j.toxlet.2020.01.014.

Galbiati V, Cornaghi L, Papale A, Donetti E, Marinovich M, Corsini E. Study on the inflammasome nlrp3 and blimp-1/nlrp12 after keratinocyte exposure to contact allergens. *Toxicol Lett.* 2019 Jul 2;313:130-136. doi: 10.1016/j.toxlet.2019.07.003.

Catanzaro M, Corsini E, Rosini M, Racchi M, Lanni C. Immunomodulators Inspired by Nature: A Review on Curcumin and Echinacea. *Molecules.* 2018 Oct 26;23(11). pii: E2778. doi: 10.3390/molecules23112778.

Corsini E, Engin AB, Neagu M, Galbiati V, Nikitovic D, Tzanakakis G, Tsatsakis AM. Chemical-induced contact allergy: from mechanistic understanding to risk prevention. *Arch Toxicol.* 2018 Oct;92(10):3031-3050. doi: 10.1007/s00204-018-2283-z.

Villeneuve DL, Landesmann B, Allavena P, Ashley N, Bal-Price A, Corsini E, Halappanavar S, Hussell T, Laskin D, Lawrence T, Nikolic-Paterson D, Pallardy M, Paini A, Pieters R, Roth R, Tschudi-Monnet F. Representing the Process of Inflammation as Key Events in Adverse Outcome Pathways. *Toxicol Sci.* 2018 Jun 1;163(2):346-352. doi: 10.1093/toxsci/kfy047.

Galbiati V, Gibbs S, Roggen E, Corsini E. Development of an In Vitro Method to Estimate the Sensitization Induction Level of Contact Allergens. *Curr Protoc Toxicol.* 2018 Feb 21;75:20.15.1-20.15.20. doi: 10.1002/cptx.44.

Corsini E, Casula M, Tragni E, Galbiati V, Pallardy M. Tools to investigate and avoid drug-hypersensitivity in drug development. *Expert Opin Drug Discov.* 2018 May;13(5):425-433. doi: 10.1080/17460441.2018.1437141.

Galbiati V, Cornaghi L, Gianazza E, Potenza MA, Donetti E, Marinovich M, Corsini E. In vitro assessment of silver nanoparticles immunotoxicity. *Food Chem Toxicol.* 2018 Feb;112:363-374. doi: 10.1016/j.fct.2017.12.023.

Gibbs S, Kosten I, Veldhuizen R, Spiekstra S, Corsini E, Roggen E, Rustemeyer T, Feilzer AJ, Kleverlaan CJ. Assessment of metal sensitizer potency with the reconstructed human epidermis IL-18 assay. *Toxicology.* 2018 Jan 15;393:62-72. doi: 10.1016/j.tox.2017.10.014.

van Vliet E, Kühnl J, Goebel C, Martinozzi-Teissier S, Alépée N, Ashikaga T, Blömeke B, Del Bufalo A, Cluzel M, Corsini E, Delrue N, Desprez B, Gellatly N, Giese C, Gribaldo L, Hoffmann S, Klaric M, Maillere B, Naisbitt D, Pallardy M, Vocanson M, Petersohn D. State-of-the-art and new options to assess T cell activation by skin sensitizers: Cosmetics Europe Workshop. *ALTEX.* 2018;35(2):179-192. doi: 10.14573/altex.1709011

Racchi M, Buoso E, Ronfani M, Serafini MM, Galasso M, Lanni C, Corsini E. Role of Hormones in the Regulation of RACK1 Expression as a Signaling Checkpoint in Immunosenescence. *Int J Mol Sci.* 2017 Jul 6;18(7). pii: E1453. doi: 10.3390/ijms18071453.

Agúndez JAG, Selinski S, Corsini E, Golka K, García-Martín E. Editorial: Biomarkers in Drug Hypersensitivity. *Front Pharmacol.* 2017 Jun 7;8:348. doi: 10.3389/fphar.2017.00348. eCollection 2017.

Buoso E, Galasso M, Ronfani M, Papale A, Galbiati V, Eberini I, Marinovich M, Racchi M, Corsini E. The scaffold protein RACK1 is a target of endocrine disrupting chemicals (EDCs) with important implication in immunity. *Toxicol Appl Pharmacol.* 2017 Jun 15;325:37-47. doi: 10.1016/j.taap.2017.04.011.

Buoso E, Galasso M, Ronfani M, Serafini MM, Lanni C, Corsini E, Racchi M. Role of spliceosome proteins in the regulation of glucocorticoid receptor isoforms by cortisol and dehydroepiandrosterone. *Pharmacol Res.* 2017 Jun;120:180-187. doi: 10.1016/j.phrs.2017.03.019.

Corsini E, Vecchi R, Marabini L, Fermo P, Becagli S, Bernardoni V, Caruso D, Corbella L, Dell'Acqua M, Galli CL, Lonati G, Ozgen S, Papale A, Signorini S, Tardivo R, Valli G, Marinovich M. The chemical composition of ultrafine particles and associated biological effects at an alpine town impacted by wood burning. *Sci Total Environ.* 2017 Jun 1;587-588:223-231. doi: 10.1016/j.scitotenv.2017.02.125.

Buoso E, Galasso M, Serafini MM, Ronfani M, Lanni C, Corsini E, Racchi M. Transcriptional regulation of RACK1 and modulation of its expression: Role of steroid hormones and significance in health and aging. *Cell Signal.* 2017 Jul;35:264-271. doi: 10.1016/j.cellsig.2017.02.010

Galbiati V, Papale A, Marinovich M, Gibbs S, Roggen E, Corsini E. Development of an in vitro method to estimate the sensitization induction level of contact allergens. *Toxicol Lett.* 2017 Apr 5;271:1-11. doi: 10.1016/j.toxlet.2017.01.016.

Kavasi RM, Berdiaki A, Spyridaki I, Corsini E, Tsatsakis A, Tzanakakis G, Nikitovic D. HA metabolism in skin homeostasis and inflammatory disease. *Food Chem Toxicol.* 2017 Mar;101:128-138. doi: 10.1016/j.fct.2017.01.012.

Corsini E, Ozgen S, Papale A, Galbiati V, Lonati G, Fermo P, Corbella L, Valli G, Bernardoni V, Dell'Acqua M, Becagli S, Caruso D, Vecchi R, Galli CL, Marinovich M. Insights on wood combustion generated proinflammatory ultrafine particles (UFP). *Toxicol Lett.* 2017 Jan 15;266:74-84. doi: 10.1016/j.toxlet.2016.12.005.

Zucca E, Corsini E, Galbiati V, Lange-Consiglio A, Ferrucci F. Evaluation of amniotic mesenchymal cell derivatives on cytokine production in equine alveolar macrophages: an in vitro approach to lung inflammation. *Stem Cell Res Ther.* 2016 Sep 20;7(1):137. doi: 10.1186/s13287-016-0398-9.

Papale A, Kummer E, Galbiati V, Marinovich M, Galli CL, Corsini E. Understanding chemical allergen potency: role of NLRP12 and Blimp-1 in the induction of IL-18 in human keratinocytes. *Arch Toxicol.* 2017 Apr;91(4):1783-1794. doi: 10.1007/s00204-016-1806-8.

Galbiati V, Papale A, Kummer E, Corsini E. In vitro Models to Evaluate Drug-Induced Hypersensitivity: Potential Test Based on Activation of Dendritic Cells. *Front Pharmacol.* 2016 Jul 12;7:204. doi: 10.3389/fphar.2016.00204.

Andres E, Barry M, Hundt A, Dini C, Corsini E, Gibbs S, Roggen EL, Ferret PJ. Preliminary performance data of the RHE/IL-18 assay performed on SkinEthic<sup>TM</sup> RHE for the identification of contact sensitizers. *Int J Cosmet Sci.* 2017 Apr;39(2):121-132. doi: 10.1111/ics.12355.

Corsini E, Galbiati V, Papale A, Kummer E, Pinto A, Serafini MM, Guaita A, Spezzano R, Caruso D, Marinovich M, Racchi M. Role of androgens in dhea-induced rack1 expression and cytokine modulation in monocytes. *Immun Ageing.* 2016 May 29;13:20. doi: 10.1186/s12979-016-0075-y.

Corsini E, Galbiati V, Papale A, Kummer E, Pinto A, Guaita A, Racchi M. The role of HSP27 in RACK1-mediated PKC activation in THP-1 cells. *Immunol Res.* 2016 Aug;64(4):940-50. doi: 10.1007/s12026-016-8802-1.

Wallace H, Roberts R, Corsini E, Bonefeld-Jorgensen E, Orhan H, Mach M, Weiser T, Carvalho F, Iscan M, Tsatsakis A. Toxicology as an academic discipline in European Universities. *Toxicol Lett.* 2016 Jul 8;254:63. doi: 10.1016/j.toxlet.2016.04.024.

Gennari CG, Franzè S, Pellegrino S, Corsini E, Vistoli G, Montanari L, Minghetti P, Cilurzo F. Skin Penetrating Peptide as a Tool to Enhance the Permeation of Heparin through Human Epidermis. *Biomacromolecules.* 2016 Jan 11;17(1):46-55. doi: 10.1021/acs.biomac.5b01524.

Lourenço AC, Galbiati V, Corti D, Papale A, Martino-Andrade AJ, Corsini E. The plasticizer dibutyl phthalate (DBP) potentiates chemical allergen-induced THP-1 activation. *Toxicol In Vitro.* 2015 Dec;29(8):2001-8. doi: 10.1016/j.tiv.2015.08.011.

Goodson WH 3rd, Lowe L, Carpenter DO, Gilbertson M, Manaf Ali A, Lopez de Cerain Salsamendi A, Lasfar A, Carnero A, Azqueta A, Amedei A, Charles AK, Collins AR, Ward A, Salzberg AC, Colacci A, Olsen AK, Berg A, Barclay BJ, Zhou BP, Blanco-Aparicio C, Bagloli CJ, Dong C, Mondello C, Hsu CW, Naus CC, Yedjou C, Curran CS, Laird DW, Koch DC, Carlin DJ, Felsher DW, Roy D, Brown DG, Ratovitski E, Ryan EP, Corsini E, Rojas E, Moon EY, Laconi E, Marongiu F, Al-Mulla F, Chiaradonna F, Darroudi F, Martin FL, Van Schooten FJ, Goldberg GS, Wagemaker G, Nangami GN, Calaf GM, Williams G, Wolf GT, Koppen G, Brunborg G, Lyerly HK, Krishnan H, Ab Hamid H, Yasaei H, Sone H, Kondoh H, Salem HK, Hsu HY, Park HH, Koturbash I, Miousse IR, Scovassi AI, Klaunig JE, Vondráček J, Raju J, Roman J, Wise JP Sr, Whitfield JR, Woodrick J, Christopher JA, Ochieng J, Martinez-Leal JF, Weisz J, Kravchenko J, Sun J, Prudhomme KR, Narayanan KB, Cohen-Solal KA, Moorwood K, Gonzalez L, Soucek L, Jian L, D'Abronzio LS, Lin LT, Li L, Gulliver L, McCawley LJ, Memeo L, Vermeulen L, Leyns L, Zhang L, Valverde M, Khatami M, Romano MF, Chapellier M, Williams MA, Wade M, Manjili MH, Leonart ME, Xia M, Gonzalez MJ, Karamouzis MV, Kirsch-Volders M, Vaccari M,

Kuemmerle NB, Singh N, Cruickshanks N, Kleinstreuer N, van Larebeke N, Ahmed N, Ogunkua O, Krishnakumar PK, Vadgama P, Marignani PA, Ghosh PM, Ostrosky-Wegman P, Thompson PA, Dent P, Heneberg P, Darbre P, Sing Leung P, Nangia-Makker P, Cheng QS, Robey RB, Al-Temaimi R, Roy R, Andrade-Vieira R, Sinha RK, Mehta R, Vento R, Di Fiore R, Ponce-Cusi R, Dornetshuber-Fleiss R, Nahta R, Castellino RC, Palorini R, Abd Hamid R, Langie SA, Eltom SE, Brooks SA, Ryeom S, Wise SS, Bay SN, Harris SA, Papagerakis S, Romano S, Pavanello S, Eriksson S, Forte S, Casey SC, Luanpitpong S, Lee TJ, Otsuki T, Chen T, Massfelder T, Sanderson T, Guarnieri T, Hultman T, Dormoy V, Odero-Marah V, Sabbisetti V, Maguer-Satta V, Rathmell WK, Engström W, Decker WK, Bisson WH, Rojanasakul Y, Luqmani Y, Chen Z, Hu Z. Assessing the carcinogenic potential of low-dose exposures to chemical mixtures in the environment: the challenge ahead. *Carcinogenesis*. 2015 Jun;36 Suppl 1:S254-96. doi: 10.1093/carcin/bgv039. Review. Erratum in: *Carcinogenesis*. 2016 Mar;37(3):344.

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Corsini E, Galbiati V, Pinto A, Davin A, Polito L, Guaita A, Racchi M. Immunostimulatory effects of RACK1 pseudosubstrate in human leukocytes obtained from young and old donors. *Oncotarget*. 2015 Mar 30;6(9):6524-34.

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#### **Selected grants:**

- Ongoing project: EFSA - Case Studies NAMS\_PFAS Immunotox" (Ref. OC/EFSA/SCER/2021/13).
- Ongoing project: 'Endocrine disruptors: investigation of the effects on the immune and nervous systems (EDoNIS)'. Ref N. 2017MLC3NF
- Ongoing project, H2020-WIDESPREAD-2020-5 'Twinning towards excellence in alternative methods for toxicity assessment (TWINALT)'. Project N. 952404.
- 2016-2021: 'Understanding allergen potency: role of protein kinase C activation in the vigor of dendritic cell activation'. Project N.2016-04
- 2014-2016 project: 'TOxicity of Blomass COmbustion generated Ultrafine Particles (TOBICUP)' (Caripla Foundation).
- 2009-2012 project: 'Glucocorticoids and signal transduction pathways associated with leukocyte activation: role in autoimmune diseases'. PRIN
- 2010-2011 project: 'Prevalidation of a novel tiered approach to determine the skin sensitizing

potency of chemicals'. ZonMW, # 114011015

- 2005-2011 project: 'Novel testing strategies for in vitro assessment of allergens'. Project N. LSHB-CT-2006- 018681

**Selected Appointments:**

- Member at EFSA of the Working Group on Phthalates – hazard assessment protocol
- Member at EFSA of the Working Groups on TiO<sub>2</sub> and BPA re-evaluation
- Member of IL-2 LTT Luc assay validation management team as test system, validation and immunotoxicity expert and EURL-ECVAM liaison, validation study coordinated by JaCVAM (NIHS) for the in vitro identification of substances with immunosuppressive activity, Japan
- Member of the working group that prepared a Detailed Review Paper on 'In vitro immunotoxicity testing' for the OECD, currently under discussion among member states.
- 2019-2021 Member of the ECVAM Scientific Advisory Committee (ESAC). Documents published: 'Replacements for animal-derived antibodies'; 'Endocrine disruption – AR-CALUX test method'; 'Bioelution assay'; and 'Scientific Validity of the GARDskin and GARDpotency Test Methods'.
- Member of the IL-1 Luc assay validation management team as test system, validation and immunotoxicity expert and EURL-ECVAM liaison, validation study coordinated by JaCVAM (NIHS) for the in vitro identification of substances with immunosuppressive activity, Japan.
- Member of the IL-2 Luc assay validation management team as a test system, validation and immunotoxicity expert and EURL-ECVAM liaison, validation study coordinated by JaCVAM (NIHS) for the in vitro identification of immunosuppressive substances, Japan. The method is under discussion at the OECD.
- Member of the Peer Review Panel of the NTP monograph on Systematic Review of Immunotoxicity Associated with Exposure to Perfluorooctanoic Acid (PFOA) or Perfluorooctane Sulfonate (PFOS). Document published in September 2016 (NTP MONOGRAPH ON IMMUNOTOXICITY ASSOCIATED WITH EXPOSURE TO PERFLUOROOCANOIC ACID (PFOA) OR PERFLUOROOCANE SULFONATE (PFOS)).
- Member of IL-8 Luc assay validation management team as test system, validation, and immunotoxicity expert and ECVAM liaison, validation study coordinated by JaCVAM (NIHS) for the in vitro identification of contact allergens, Japan. The method became OECD Test Guideline No. 442E: In Vitro Skin Sensitization in July 2018.
- Member of the ESAC Working Group Sensitization-ESAC Peer Review of the Keratinosens, DPRA and h-CLAT studies. ESAC, ECVAM Scientific Advisory Committee. Both methods are currently part of OECD guidelines.

Computer skills and competences

Use of word processing, data sheet and graph programs such as Word, Excel, Power Point as well as statistical analysis and specialized analysis programs (Prisma, CellQuest). Common use of internet and e-mail.

**Additional information**

**Annexes**

None