



Curriculum Vitae

Personal information

First name(s) / Surname(s)	Annamaria Colacci
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Nationality	Italian https://orcid.org/0000-0001-7426-6985 https://www.researchgate.net/profile/Annamaria-Colacci https://www.adscientificindex.com/?subject=Dirigente+Arpa+Emilia+Romafna-&university=Università%20di%20Bologna
Occupational field	Toxicology; Toxicogenomics, Genetics, Epidemiology, Molecular Epidemiology, Environmental Health, Risk assessment; Cancer; Nutrition
Current Position	Senior scientist and Scientific advisor. Research and Education Projects management – Agency for Prevention, Environment and Energy (Arpae)- Emilia-Romagna, Italy Arpae representative and WPs member for Research and Education Plans - Complementary Fund of the National Recovery and Resiliency Plan – Next Generation Italy (PNC-PNRR) - Director - GLP Testing Facility “Vitrox” – Member of the European Union Network of Laboratories for the Validation of Alternative Methods Adjunct Professor Chair of Applied Hygiene, Department of Pharmacy and Biotechnology, University of Bologna Adjunct Professor Chair of Environmental Hygiene, Department of Biological, Geological and Environmental Sciences, University of Bologna

Main activities and responsibilities

As a scientist and scientific advisor, I lead research projects covering the areas of predictive toxicology by using alternative tests, including in vitro cell models coupled with toxicogenomics, environmental epidemiology, and molecular epidemiology in the context of the adverse outcome pathway approach.

As the Director of a GLP testing facility affiliated with the European Union Network of Laboratories for the Validation of Alternative Methods, I participate in European Union programs to assess the reliability and relevance of alternative methods that have the potential to replace, reduce, or refine the use of animals for scientific purposes and assist the European Commission in the validation of alternative methods.

I am usually involved in the monitoring, surveillance, and risk assessment of environmental pollutants, providing scientific expertise and advice from several international and national committees and panels (see below for an updated list):

Previous work experience

Jan-Oct 2022	Director of the Department of Environmental and Health Environmental Protection and Health Prevention Agency – Emilia Romagna (ARPA-ER)
Jan 2019-Dec 2021	Chief (Incarico di Alta Specializzazione) Regional Center for Environment, prevention and Health – Environmental Protection and Health Prevention Agency – Emilia Romagna (ARPA-ER)
Jul 2012 – Dec 2018	Chief Regional Center for Environmental Toxicology – Environmental Protection and Health Prevention Agency – Emilia Romagna (ARPA-ER)
2008-2012	Chief, Regional Center for Environmental Carcinogenesis and Risk Assessment, Environmental Protection and Health Prevention Agency – Emilia Romagna (ARPA-ER)
2003 -2008	Head Center of Excellence for Environmental Carcinogenesis ; Environmental Protection and Health Prevention Agency – Emilia Romagna (ARPA-ER)
1989- 2003	Deputy of Chief of Biotechnology Satellite Unit, Bologna, National Institute for Cancer Research (IST), Genoa, Italy - Head of the Lab. Mechanisms of Carcinogenesis and Anticarcinogenesis;
1986- 1989	High School Chair in Sciences – Ministry of Education - Full Professor of Sciences
1981 –1986	Research fellowship training National Research Council, Italy
Jan 1979-1981	Clinical Laboratory Scientist , Villa Maria Clinic, Campobasso, Italy ,

Academic Appointments

2024	Appointed as - present Professor with a contract to teach in the International Course “Biology of Human and Environmental Health- Bachelor degree interuniversity program between the University of Padua and the University of Bologna, Italy Adjunct Professor Chair of Environmental Hygiene, University of Bologna
2018-present	Adjunct Professor Chair of Applied Hygiene, School of Science, Department of Pharmacy and Biotechnology - University of Bologna, Italy
2022-2024	Coordinator and Professor in the postgraduate Master in Environmental Health – School of Medicine, University of Bologna, Italy

2011-2021	Professor in the postgraduate Master in Nutrition and Health Education – School of Medicine, University of Bologna , Italy
2005-present	Adjunct Professor Chair of Environmental Hygiene, School of Science University of Bologna, Italy
2014-2020	Professor in the postgraduate Master in Environmental Management School of Science – University of Bologna, Italy
2012 – 2014	Coordinator of the postgraduate Master for Risk assessment and management – School of Science – University of Bologna, Italy
2007-2009	Professor Specialization Course Risk assessment – University of Milan, Italy
2008	Professor Course Basics of Toxicology, University of Ljubjana – Slovenia
2005-2008	Professor at the Postgraduate Course on Toxicology applied to Risk Assessment, School of Pharmacy, University of Milan
2005-2007	Professor at the Postgraduate School for Biologists, University of Ferrara, Italy
1997-2004	Adjunct Professor - Mutagenesis Lab - Postgraduate School of Applied Genetics, University of Bologna,

Committees and Panels

International

WHO - International Programme on Chemical Safety, International Chemical Safety Cards (ICSC). Delegate for Italy

Organisation for Economic Co-operation and Development (OECD) - Integrated Approach for Testing and Assessment on non-genotoxic carcinogenesis (2015-present) Steering Committee and WG. Delegate for Italy

OECD - Extended Advisory Group on Molecular Screening and Toxicogenomics (2012-present); Delegate for Italy

OECD - Expert Group on Transcriptomics (2017-present) –Delegate for Italy

OECD. Validation Management Group for Non-Animal Testing (2012-present). Delegate for Italy

OECD -Endocrine Disruptors Testing and Assessment Advisory Group, (2011-present). Delegate for Italy

OECD -Cell Transformation Expert Panel, (1998-present) – Delegate for Italy

EU Commission – Expert Advisory Group on Endocrine Disruptors (2012-present) Italian Representative

National	Italian Institute for Planetary health – Member of the Scientific Committee Italian National Task Force “Environment and Health” for the National Prevention Plan – Italian Ministry of Health - Since August 2017 Advisory Section for Pesticides – Committee for nutrition and animal health - Italian Ministry of Health – Since May 2017 Italian National Advisory Toxicology Committee on Pesticides, Italy. 2003-2016 National Institute for Environmental Research and Protection – Federal Council of National EPAs: REACH regulation panel (from 2008 onwards); Italian National Institute for Environmental Research and Protection – Federal Council of Italian National EPAs: Regulation panel on test procedures for H14 classification (from 2010 onwards) Italian National Group for Evaluating Exposure to Endocrine Disruptors, Italian Government Premier Cabinet, Italy 2005-2008 Italian National Environmental Protection Agency (APAT) – Risk assessment panel 2005-2007 Italian National Advisory Toxicology Committee, Italy. 1993-2003,
Editorial Duties and Memberships in Scientific and Professional Societies	Member of the Council of the Italian Society for the Sciences Progress Member Italian Society for Applied Pharmacology Member Italian Association of Hygiene, Preventive Medicine and Public Health Fellow Women in Cancer Research Group (WICR) Editorial Board Member Mutation Research – Reviews Editorial Board Associated Editor Frontiers in Toxicogenomics
Referee/Reviewer	Toxicology in vitro; Microchemical Journal; ALTEX; Environmental Health; Computational and Mathematical Methods in Medicine; Chemosphere; SpringerPlus; Nature-Scientific Report, STOT
Education and training	
1974-1978	MSc in Biological Science, University of Bologna, Italy
1978-1981	Graduation course in Pharmacy, University of Bologna, Italy
1992-1995	PhD in Applied Genetics, University of Bologna, Italy Specialist in Human cytogenetics
Certification and Licensure	Italian National Biologists League Qualification to practice (1981) Registration in the Registry of Biologists since 1981 Awarded the title of European Biologist (EurBiol) by the European Biologists Registration Committee Professional qualification for nutritionist (since December 1978) Qualification for associate professor in Pathology and Oncology Qualification for teaching Natural Sciences, Chemistry and Geography at high School

Research Projects

Scientific Projects in the last 10 years:

Complementary Fund of the National Recovery and Resiliency Plan – Next Generation Italy (PNC-PNRR) - Health, environment, biodiversity and climate – Theme 2 – Outdoor Air (2023-2026)

Complementary Fund of the National Recovery and Resiliency Plan – Next Generation Italy (PNC-PNRR) - Health, environment, biodiversity and climate – Theme 4 – Climaction (2023-2026)

Complementary Fund of the National Recovery and Resiliency Plan – Next Generation Italy (PNC-PNRR) - Health, environment, biodiversity and climate – Theme 12 – Green infrastructures and health – WP 2 coordinator (2023-2026)

Complementary Fund of the National Recovery and Resiliency Plan – Next Generation Italy (PNC-PNRR) - Health, environment, biodiversity and climate – Theme 13 – Environment and health digitalization – WP 3 – WP6 coordinator (2023-2026)

EpiCoVAiR Risk factors and Covid-19. National Project – Scientific Board (2020-2022)

Pulvirus – Effects of Air Pollution on distribution and infectivity of SARS-CoV-2 National Project WP coordinator (2020-2022)

Interreg Central Europe Programme: Project title “Dynaxibility4CE”, PP8 Leader (2020-2022)

CCM-Ministero della Salute – Progetto RIAS: Rete Italiana Ambiente e Salute (2019-2021)- Steering Committee

Use and implementation of full-chain exposure software to develop pharmacokinetics modelling of PFAS and highlight toxicological behaviour and risk for human health Use and implementation of full-chain exposure software to develop pharmacokinetics modelling of PFAS and highlight toxicological behaviour and risk for human health. Principal investigator ; Project Coordinator (2018-2021)

Interreg Central Europe Programme: Project title “Environmental integrated, multilevel knowledge and approaches to counteract critical air pollution events, improving vulnerable citizens quality of life in Central Europe Functional Urban Area” – Project Manager-Leader Partner (2017-2020)

European Food Safety Agency – PRAS 13 Project Title: Robust study summaries of the glyphosate dossier – Coordinator (2017-2018)

The Halifax Project – Getting to know cancer – Validation Team (2013-2015)
<http://www.gettingtoknowcancer.org/>

Central Europe Programme: Project title: “Nanoforce – Nanotechnology for Chemical enterprises: how to link scientific knowledge to the business in the Central Europe Space”
<http://www.nanoforceproject.eu/>

The Supersite Project – WP 4 Predictive Toxicology (sponsored by Emilia-Romagna Region – Dept of Public Health) (2012-2016)
http://www.arpa.emr.it/pubblicazioni/Supersito/generale_2121.asp

The APTEC project – Application of Toxicogenomics to Ecotoxicology (sponsored by Ministry of Environment within REACH framework and OECD activity of the Extended Advisory Group on Molecular Screening and Toxicogenomics) (2012-2015)

Personal skills

Languages

Mother tongue(s) Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C2	C1	C1	C2
	British school certificate level 3-8 First Certificate Cambridge University Advanced Certificate Cambridge University Proficiency Certificate Cambridge University				
French	B1	B2	B1	B1	B1
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Organisational skills and competences

Head Positions and Leadership Experience:

Over the past 35 years, I have successfully coordinated and motivated interdisciplinary teams, ensuring that projects are completed on schedule, within budget, and to the highest quality standards. I have attended specialized courses in time management and leadership, further enhancing my ability to lead effectively. As an executive at a governmental agency, I developed strong communication skills, enabling me to interact effectively with regulatory experts, stakeholders, media, and the public. My career has been marked by a high level of commitment, strong work ethic, self-discipline, and the ability to perform under pressure. I also maintain robust scientific contacts and networks, which have been instrumental in achieving collaborative successes.

Technical skills and competences	Advanced skills in molecular biology, with a strong focus on the biological interpretation of gene modulation and gene pathways. Expertise covers analyzing how environmental and genetic factors influence gene expression, identifying key regulatory networks that impact cellular function and development and integrating molecular data to elucidate the underlying mechanisms of gene regulation, contributing to a deeper understanding of complex biological processes. Extensive experience in toxicological risk assessment has been developed since 1983, as an expert or member of several national and international panels and committees. Scientific expertise and advice have been delivered in the following committee and panels: National Advisory Toxicology Committee, Italy, from 1983 to 2003 (establishing a list of carcinogens, determining the appropriate category by critically evaluating the USA and European classification and reviewing the existing scientific literature and confidential documents, and performing quantitative risk assessment of several compounds); National Panel for Evaluating Human Exposure to Endocrine Disruptors Italian Government Premier Cabinet, Italy (actively involved in writing the final report on the priority list of emerging endocrine active compounds); National Advisory Committee on Pesticides, Italy (evaluating dossiers submitted by industry), National Environmental Protection Agency (APAT) – Risk assessment panel (defining the guidelines related to the cancer risk assessment). Large work experience and strong technical knowledge of tests and experimental; protocols for assessing the toxicological potential of chemicals and to highlight the toxicological profile of genotoxic and non-genotoxic compounds, including endocrine disruptors Experience managing large multidisciplinary projects.
Computer skills and competences	Strong computer skills and very good experience in using database, models and software packages for human risk assessment, including BMDS, graphics software packages (Biorender, Adobe Creative Cloud, CorelDraw), including the use of mind maps
Publications	Author and co-author of 150 publications, including 135 peer-reviewed articles, books, books chapters, monographs

Updated January 2026

Annex 1:

LIST OF MOST RELEVANT PUBLICATIONS IN THE LAST 10 YEARS (2014-2025)

1. Bisson WH, Currie RA, Lim EL, Mlynarczyk C, Tokar EJ, Colacci A, Colacino JA. Rethinking the Microenvironment's Role in Chemical-Induced Malignancy. *Toxicol Sci*. 2025 Dec 17;kfaf174. doi: 10.1093/toxsci/kfaf174.
2. Colacci A, Corsini E, Jacobs MN. Addressing Immune Response Dysfunction in an Integrated Approach for Testing and Assessment for Non-Genotoxic Carcinogens in Humans: A Targeted Analysis. *Int J Mol Sci*. 2025 Jun 30;26(13):6310. doi: 10.3390/ijms26136310.
3. Senga SS, Bisson W and Colacci A. Key Characteristics of Carcinogens meet Hallmarks for prevention-cutting the Gordian knot. *Front Oncol*. 2024 Sep 10;14:1420687. doi: 10.3389/fonc.2024.1420687
4. Tagliaferro S, Pirona F, Fasola S, Stanisci I, Sarno G, Baldacci S, Gariazzo C, Licitra G, Moro A, Silibello C, Stafoggia M, Viegi G, Maio S; BEEP and BIGEPI groups; BEEP group; BIGEPI group. Effects of traffic-related air and noise pollution exposure on allergic diseases in the elderly: an observational study. *Ann Med*. 2024 Dec;56(1):2398193. doi: 10.1080/07853890.2024.2398193.
5. Pillo G, Aldrovandi F, Mescoli A, Maffei G, Mascolo MG, Vaccari M, Colacci A. An insight into carcinogenic activity and molecular mechanisms of Bis(2-ethylhexyl) phthalate. *Front Toxicol*. 2024 Jul 23;6:1389160. doi: 10.3389/ftox.2024.1389160.
6. Vaccari, L., Ranzi, A., Canova, C., Ghermandi, G., Giannini, S., Pitter, G., Russo, F., Stefanelli, J., Teggi, S., & Colacci, A. Reliability of toxicokinetic modelling for PFAS exposure assessment in contaminated water in Northern Italy. *Helyon*, 2024.
7. Fondriest, M., Vaccari, L., Aldrovandi, F., De Lellis, L., Ferretti, F., Fiorentino, C., Mari, E., Mascolo, M. G., Minelli, L., Perlangeli, V., Bortone, G., Pandolfi, P., & Colacci, A.. Wastewater-Based Epidemiology for SARS-CoV-2 in Northern Italy: A Spatiotemporal Model. *International Journal of Environmental Research and Public Health*, 21(6), 741, 2024. <https://doi.org/10.3390/ijerph21060741>
8. Pillo, G., Aldrovandi, F., Mescoli, A., Maffei, G., Mascolo, M. G., Vaccari, M., & Colacci, A. An insight into carcinogenic activity and molecular mechanisms of Bis (2-ethylhexyl) phthalate. *Frontiers in Toxicology*, 6, 2024 1389160
9. Vaccari, M., Serra, S., Ranzi, A., Aldrovandi, F., Maffei, G., Mascolo, M. G., Mescoli, A., Montanari, E., Pillo, G., Rotondo, F., Scaroni, I., Vaccari, L., Zanzi, C., Fletcher, T., Paparella, M., & Colacci, A. In vitro evaluation of the carcinogenic potential of perfluorinated chemicals. *ALTEX-Alternatives to animal experimentation*, 2024.
10. Colacci A., Corvi R., Ohmori K., Paparella M., Serra, S, De-Rochó Silva I., Vasseur P., Jacobs, M.N. The Cell Transformation Assay: A Historical Assessment of Current Knowledge of Applications in an Integrated Approach to Testing and Assessment for Non-Genotoxic Carcinogens *IJMS*, 2023, 24(6):5659 DOI: 10.3390/ijms24065659
11. Steimberg, N., Alloisio, S., Vincentini, O., Caloni, F. ., Baderna, D., Dellambra, E., Delle Monache, F., Sbrana, T., Scaglione, S., Letasiova, S., Cattaneo, A., Ludovico, A. ., Hartung, T., Colacci, A., Markus, J., Rescigno, F., Piccapane, F., Occhetta, P. and Scagnoli, F. (2023) "CellTox Days 2022 – Inside the barriers: In vitro models and their applications", *ALTEX - Alternatives to animal experimentation*, 40(1), pp. 160–164. doi: 10.14573/altex.2211101

12. Zauli-Sajani, S.; Marchesi, S.; Boselli, G.; Broglia, E.; Angella, A.; Maestri, E.; Marmiroli, N.; Colacci, A. Effectiveness of a Protocol to Reduce Children's Exposure to Particulate Matter and NO₂ in Schools during Alert Days. *Int. J. Environ. Res. Public Health* 2022, 19, 11019
13. Pillo, G.; Mascolo, M.G.; Zanzi, C.; Rotondo, F.; Serra, S.; Bortone, F.; Grilli, S.; Vaccari, M.; Jacobs, M.N.; Colacci, A. Mechanistic Interrogation of Cell Transformation In Vitro: The Transformics Assay as an Exemplar of Oncotransformation. *Int. J. Mol. Sci.* **2022**, 23, 7603. <https://doi.org/10.3390/ijms23147603>
14. Perdichizzi S, Mascolo MG, Rotondo F, Grilli S, Vaccari M, Colacci A. Transcriptomics and Cell Transformation Assay: an Integrated Approach to Evaluate the Effects of Low Dose Ionizing Radiation. *Int J Onco Radiother.* 2021;2(1):12–19. DOI: 10.51626/ijor.2021.02.00005
15. Daniela Barbero, Gianni Tinarelli, Camillo Silibello, Alessandro Nanni, Claudio Gariazzo, Massimo Stafoggia, Giovanni Viegi, Carla Ancona, Paola Angelini, Stefania Argentini, Sandra Baldacci, Lucia Bisceglia, Michela Bonafede, Sergio Bonomo, Laura Bonvicini, Serena Broccoli, Giuseppe Brusasca, Simone Bucci, Giuseppe Calori, Giuseppe Carlino, Achille Cernigliaro, Antonio Chieti, Annamaria Colacci, Francesca de' Donato, Moreno Demaria, Salvatore Fasola, Sandro Finardi, Francesco Forastiere, Claudia Galassi, Claudio Gariazzo, Paolo Giorgi Rossi, Stefania La Grutta, Gaetano Licitra, Sara Maio, Alessandro Marinaccio, Paola Michelozzi, Enrica Migliore, Antonino Moro, Alessandro Nanni, Marta Ottone, Federica Parmagnani, Nicola Pepe, Paola Radice, Andrea Ranzi, Matteo Renzi, Salvatore Scondotto, Matteo Scortichini, Camillo Silibello, Roberto Sozzi, Massimo Stafoggia, Gianni Tinarelli, Francesco Ubaldi, Giovanni Viegi, Nicolas Zengarini. A microscale hybrid modelling system to assess the air quality over a large portion of a large European city Atmospheric Environment, Volume 264, 2021
16. Renzi M, Scortichini M, Forastiere F, De' Donato F, Michelozzi P, Davoli M, Gariazzo C, Viegi G, Stafoggia M; BEEP collaborative Group, Ancona C, Bucci S, De' Donato F, Michelozzi P, Renzi M, Scortichini M, Stafoggia M, Bonafede M, Gariazzo C, Marinaccio A, Argentini S, Sozzi R, Bonomo S, Fasola S, Forastiere F, La Grutta S, Viegi G, Cernigliaro A, Scondotto S, Baldacci S, Maio S, Licitra G, Moro A, Angelini P, Bonvicini L, Broccoli S, Ottone M, Rossi PG, Colacci A, Parmagnani F, Ranzi A, Galassi C, Migliore E, Bisceglia L, Chieti A, Brusasca G, Calori G, Finardi S, Nanni A, Pepe N, Radice P, Silibello C, Tinarelli G, Ubaldi F, Carlino G. A nationwide study of air pollution from particulate matter and daily hospitalizations for respiratory diseases in Italy. *Sci Total Environ.* 2022 Feb 10;807(Pt 3):151034. doi: 10.1016/j.scitotenv.2021.151034. Epub 2021 Oct 17. PMID: 34666080
17. Colacci A, Bortone G, Maffei G, Marchesi S, Mescoli A, Parmagnani F, Pillo G, Ranzi A, Rotondo F, Serra S, Vaccari M, Zauli Sajani S, Mascolo MG, Jacobs MN. Environmental pollution and COVID-19: the molecular terms and predominant disease outcomes of their sweetheart agreement. *Epidemiol Prev.* 2020 Sep-Dec;44(5-6 Suppl2):169-182.
18. Mescoli A, Maffei G, Pillo G, Bortone G, Marchesi S, Morandi E, Ranzi A, Rotondo F, Serra S, Vaccari M, Zauli Sajani S, Mascolo MG, Jacobs MN, Colacci A. The Secretive Liaison of Particulate Matter and SARS-CoV-2. A Hypothesis and Theory Investigation. *Front Genet.* 2020 Nov 9;11:579964.
19. Vaccari L, Ranzi A, Colacci A, Teggi S The Use of a Physiologically Based Pharmacokinetic Modelling in a "Full-Chain" Exposure Assessment Framework: A Case Study on Urban and Industrial Pollution in Northern Italy November 2020 11(11):1228
20. Zauli Sajani S, Marchesi S., Pironi C, Poluzzi V, Colacci A Assessment of air quality sensor system performance after relocation November 2020 Atmospheric Pollution Research 12(2)
21. 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.* 2020 Jul;186:109564. doi: 10.1016/j.envres.2020.109564. Epub 2020 Apr 23. PMID: 32668539.

22. Jacobs MN, Colacci A, Corvi R, Vaccari M, Aguila MC, Corvaro M, Delrue N, Desaulniers D, Ertych N, Jacobs A, Luijten M, Madia F, Nishikawa A, Ogawa K, Ohmori K, Paparella M, Sharma AK, Vasseur P. Chemical carcinogen safety testing: OECD expert group international consensus on the development of an integrated approach for the testing and assessment of chemical non-genotoxic carcinogens. *Arch Toxicol.* 2020 Aug;94(8):2899-2923. doi: 10.1007/s00204-020-02784-5. Epub 2020 Jun 27. PMID: 32594184; PMCID: PMC7395040.
23. Baldini M., Bartolacci S., Bortone G., Colacci A., Di Biagio K., Di Buono V, Dolcini J., Maffei G., Marchesi S. , Mescoli A., Parmagnani F., Pillo G., Poluzzi V., Ranzi A., Serra S., Simeoni T.V., Zauli Sajani S. Valutazione del possibile rapporto tra l'inquinamento atmosferico e la diffusione del SARS-CoV-2 *Epidemiologia e Prevenzione Repository Documenti Preprint su COVID-19* Aprile 2020
<https://repo.epiprev.it/index.php/download/valutazione-del-possibile-rapporto-tra-linquinamento-atmosferico-e-la-diffusione-del-sars-cov-2/>
24. Serra S, Vaccari M, Mascolo MG, Rotondo F, Zanzi C, Polacchini L, Behle Wagner C, Kunkelmann T, Perschbacher S, Poth A, Grilli S, Jacobs MN, Colacci A. Hazard assessment of air pollutants: The transforming ability of complex pollutant mixtures in the Bhas 42 cell model. *ALTEX.* 36(4):623-633 2019.. Epub 2019 Jun 3.
25. Mascolo MG, Perdichizzi S, Vaccari M, Rotondo F, Zanzi C., Grilli S, Paparella M, Jacobs MN, Colacci A. The Transformics Assay: First Steps for the Development of an Integrated Approach to Investigate the Malignant Cell Transformation *in vitro, Carcinogenesis*, 39(7):955-96 2018 <https://doi.org/10.1093/carcin/bgy037>
26. Corvi R, Madia F, Guyton KZ, Kasper P, Rudel R, Colacci A, Kleinjans J, Jennings P. Moving forward in carcinogenicity assessment: Report of an EURL ECVAM/ESTIV workshop. *Toxicol In Vitro.* 45(Pt 3):278-286. 2017 Epub 2017 Sep 12.
27. **Colacci A.** Vaccari M. Children's and Adult Involuntary and Occupational Exposures and Cancer In: *Translational Toxicology: Defining a New Therapeutic Discipline with a Focus on Windows of Susceptibility in Reproduction and Cancer* **Editor(s):** Charles Hughes, Michael D Waters 2017
28. Canistro D, Vivarelli F, Cirillo S, Babot Marquillas C, Buschini A, Lazzaretti M, Marchi L, Cardenia V, Rodriguez-Estrada MT, Lodovici M, Cipriani C, Lorenzini A, Croco E, Marchionni S, Franchi P, Lucarini M, Longo V, Della Croce CM, Vornoli A, **Colacci A**, Vaccari M, Sapone A, Paolini M: E-cigarettes induce toxicological effects that can raise the cancer risk. *Nature – Sci. Rep.* May 17;7(1):2028, 2017
29. Quercioli D, Roli A, Morandi E, Perdichizzi S, Polacchini L, Rotondo F, Vaccari M, Villani M, Serra R, **Colacci A.** The use of omics-based approaches in regulatory toxicology: an alternative approach to assess the no observed transcriptional effect level. *Microchem J.* Epub 9 February 2017
30. Paparella M, **Colacci A**, Jacobs MN. Uncertainties of testing methods: What do we (want to) know about carcinogenicity? *ALTEX* 34(2):235-252. 2017
31. Schaap MM, van Benthem J, Jacobs MN, **Colacci A**, Kienhuis AS, van Steeg H, Luijten M Dissecting Modes of Action of Non-genotoxic Carcinogens In: *Toxicogenomics in Predictive Carcinogenicity* **Editor(s):** Russell S Thomas, Michael D Waters, pp 209-235, 2016
32. Jacobs M, **Colacci A**, Louekari K., Luijten M, Hakkert B, Paparella M, and Vasseur P The international regulatory need for tests and information to develop an Integrated Approach to Testing and Assessment (IATA) of non-genotoxic carcinogenic chemical substances. *ALTEX* 33(4):359-392, 2015.
33. Callegaro G, Stefanini FM, Colacci A, Vaccari M, Urani C. An improbe classification of foci for carcinogenicity testing by statistical descriptors. *Toxicol In Vitro.* Oct;29(7):1839-50, 2015
34. Kravchenko J, Corsini E, Williams MA, Decker W, Manjili MH, Otsuki T, Singh N, Al-Mulla F, Al-Temaimi R, Amedei A, **Colacci AM**, Vaccari M, Mondello C, Scovassi AI, Raju J, Hamid RA, Memeo L, Forte S, Roy R, Woodrick J, Salem

- HK, Ryan EP, Brown DG, Bisson WH, Lowe L, Lysterly HK. Chemical compounds from anthropogenic environment and immune evasion mechanisms: potential interactions. *Carcinogenesis*. Jun;36 Suppl 1:S111-27. 2015. Review.;
35. Ochieng J, Nangami GN, Ogunkua O, Miousse IR, Koturbash I, Odero-Marah V, McCawley LJ, Nangia-Makker P, Ahmed N, Luqmani Y, Chen Z, Papagerakis S, Wolf GT, Dong C, Zhou BP, Brown DG, **Colacci AM**, Hamid RA, Mondello C, Raju J, Ryan EP, Woodrick J, Scovassi AI, Singh N, Vaccari M, Roy R, Forte S, Memeo L, Salem HK, Amedei A, Al-Temaimi R, Al-Mulla F, Bisson WH, Eltom SE. The impact of low-dose carcinogens and environmental disruptors on tissue invasion and metastasis. *Carcinogenesis*. Jun;36 Suppl 1:S128-59. 2015. Review. .
 36. Casey SC, Vaccari M, Al-Mulla F, Al-Temaimi R, Amedei A, Barcellos-Hoff MH, Brown DG, Chapellier M, Christopher J, Curran CS, Forte S, Hamid RA, Heneberg P, Koch DC, Krishnakumar PK, Laconi E, Maguer-Satta V, Marongiu F, Memeo L, Mondello C, Raju J, Roman J, Roy R, Ryan EP, Ryeom S, Salem HK, Scovassi AI, Singh N, Soucek L, Vermeulen L, Whitfield JR, Woodrick J, **Colacci A**, Bisson WH, Felsner DW. The effect of environmental chemicals on the tumor microenvironment. *Carcinogenesis*. 2015 Jun;36 Suppl 1:S160-83, 2015.
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