

## CURRICULUM VITAE

**Prof. ANGELO MORETTO**

**Department of Cardio-Thoraco-Vascular and Public Health Sciences,  
University of Padova, Padua, Italy  
Occupational Health Unit, Padova University Hospital, Padua, Italy**

### *Education*

1974-1981: Medical School at the University of Padua. Degree of Doctor of Medicine (Honour)

1981-1985: Postgraduate School in Occupational Medicine, University of Padua. Diploma of Specialist in Occupational Medicine obtained in December 1986

1983-1987: Ph.D. in Occupational Health & Industrial Hygiene.

### *Previous and current positions*

1997 (December)-2006 (October): Medical and research scientist, Department of Environmental Medicine & Public Health, Azienda Ospedaliera di Padova-University of Padua.

2002 (November)-2006 (October): head of the the Laboratory of Industrial Toxicology, Department of Environmental Medicine & Public Health, Azienda Ospedaliera di Padova-University of Padua

2006 (November) – 2018 (May): Associate professor, Department of Biomedical and Clinical Sciences, University of Milan.

2006 (November) – 2020 (August): Director, International Center for Pesticides and Health Risks Prevention, “Luigi Sacco” Hospital, Milan, Italy

2018 (June)-2020 (August): Professor, Department of Biomedical and Clinical Sciences, University of Milan.

2020 (September)-present: Professor, department of Cardio-Thoraco-Vascular and Public Health Sciences, University of Padova, Italy

2020 (October) – present: Director Occupational Health Unit, Padova University Hospital, Padua, Italy

### *Scientific activity*

#### **Research aims**

##### **a. Basic toxicological research**

The main focus of toxicological research was the study of pathogenesis and mechanisms of organophosphate induced-delayed polyneuropathy. During these studies a new phenomenon was described, promotion of axonopathies. Beside the delayed polyneuropathy, studies have been conducted on cholinergic toxicity & the metabolism of organophosphates. Also the problem of other toxic neuropathies were studied and the neurotoxic profile of some pesticides was defined. Recently became interested in developmental toxicity, and combined exposures.

#### **b. Monitoring of occupational and accidental exposure to chemical agents**

Occupational, accidental and non-occupational exposure to pesticides; occupational exposure to cadmium and toluene; and evaluation of non-occupational exposure risk to pesticide residues.

#### **c. Reports writing, paper reviews and book chapters related to occupational toxicology**

The main interests were: pesticides, in particular organophosphorus esters, neurotoxicology, general toxicological problems, risk assessments and risk assessment methodology.

#### **d. Risk assessment**

Member of many international committees for the risk assessment of exposure to chemical substances, in particular pesticides, and for the improvement, harmonization and innovation of risk assessment methods, with focus on cumulative and mixture risk assessment.

### **Research activity abroad**

1985 (July)-1987(June): Research Associate at the Institute of Neurotoxicology, Albert Einstein College of Medicine, Bronx, New York, USA.

1992 (August-September): Visiting scientist at the Center for Research on Occupational and Environmental Toxicology, Oregon Health Sciences University, Portland, Oregon, USA.

1997 (July): Visiting scientist at the Instituto de Neuroquímica y Toxicología, Universidad de Alicante, Spain.

### **Clinical activity**

1989 - 2006: Occupational Health Clinic, University Hospital, Padova, Italy,.

2002 - 2006: Head, Laboratory of Industrial Toxicology, University Hospital, Padova, Italy,.

2006 - present : Director, International Center for Pesticides and Health Risk Prevention, University Hospital “Luigi Sacco”, Milano, Italy

### ***Participation at national and international expert committees (since 2000)***

1993-present: Member and chairman (alternate years) of the Toxicological Core Assessment Group at the Joint FAO/WHO Meeting on Pesticide Residues, Geneva (Switzerland)/Rome (Italy).

1993-present: Member of several WHO WG on risk assessment of chemicals

2000-2011: Member of the EFSA Scientific Panel on Plant health, plant protection products and their residues (previously EEC Scientific Committee on Plants), Parma, Italy

2001-2005: Member of Scientific Steering Committee HESI Agricultural Chemicals Safety Assessment Subcommittee of International Life Sciences Institute, Washington, DC (USA).

2004-2006: Member of the Expert Panel on Evaluation and Interpretation of Neurodevelopmental Endpoints for Human Health Risk Assessment for the International Life Sciences Institute, Risk Science Institute, Washington, DC (USA)

2006-present: Member of the Scientific Committee on Rural Health, pesticides and dusts of the International Commission on Occupational Health (ICOH)

2007-2016: member of Commissione Consultiva per i Prodotti Fitosanitari, Ministero della Salute, Roma (Committee for Pesticides, Ministry of Health, Italy).

2010-2016: Member of the programme of the International Life Sciences Institute (ILSI)/Health and Environmental Sciences Institute, Washington, DC (USA) on “Risk Assessment in the 21st Century”, co-chair of the working group on “Cumulative risk assessment”.

2010: Member of the SANCO experts working group for the three Scientific Committees SCHER, SCENIHR and SCCS

2010-present: member, and president since 2014, of the Science Advisory Board of the Swiss Centre for Applied Human Toxicology (SCAHT).

2011-2017: Trustee of Health and Environmental Sciences Institute (HESI)

2012-2019: Editorial Board of Regulatory Toxicology and Pharmacology

2015-present: Editorial Board of Current Opinions in Toxicology

2017-Present: Editorial Board of Neurotoxicology

2015-2019: member of SCOEL (Scientific Committee of Occupational Exposure Limits of the European Commission)

2018-present Member of the Scientific Advisory Board of the Health and Environmental Sciences Institute programme on “Risk Assessment in the 21st Century” ([www.Risk21.org](http://www.Risk21.org))

2019-present: Associate Editor of Regulatory Toxicology and Pharmacology

2020: Guest Editor of Food and Chemical Toxicology

2022: expert of FAO/WHO JECFA 94

### ***Teaching (last 5 years)***

Until 2020: lecturer in Occupational Medicine and Toxicology at the Schools of Medicine, of Public Health, and of Nursing, University of Milano, Italy

Until 2020: lecturer in Occupational Health and Occupational Toxicology at the Post-graduate schools of Occupational Medicine, and of Hygiene, and of Nutrition, University of Milano, Italy

Since 2020: lecturer in Occupational Medicine and Toxicology at the Schools of Medicine, of Public Health, and of Nursing, University of Padova, Italy

Until 2020: lecturer in Occupational Health and Occupational Toxicology at several Post-graduate schools, Faculty of Medicine, University of Padova, Italy

Several seminars and courses in Italy and abroad.

### ***Other activities***

Referee of research projects for:

- Agence Nationale de la Recherche, Francia (National Research Agency)
- Ministry of Science and Environment, Republic of Serbia
- Government of Hong Kong, China
- RIVM, The Netherlands
- Member of Programme Strategy and Stewardship Committee of HESI, Washington DC (USA)
- Italian Ministry for Education, University and Research (MIUR)
- Swiss Science Foundation

### ***European Certified Toxicologist (ERT).***

### ***Fellow della Academy of Toxicological Sciences (ATS)***

### ***Invitations to conventions, meetings, courses (since 2015)***

2015: Società Italiana di Tossicologia, Milano, March 17-19

2015: Training Course Risk 21, Taipei (Taiwan), October 20-21

2015: Training Course Risk 21, Nanjing and Wuhan (PRC), October 23-25  
 2015: Società Italiana di Medicina del Lavoro, Milano, November 25-27  
 2016: Laboratory Biosafety Course, Milano (Italy), May 23-27  
 2016: Associazione Italiana degli Igienisti Industriali, Lucca, June 16-17  
 2016: American Chemical Society, Philadelphia, August 20-25  
 2017: Government of India Workshop on Endocrine Disrupting Compounds, Delhi (India), February 21-22  
 2017: Meeting on Hazard vs risk assessment and carcinogenicity, Turin (Italy), March 24  
 2017: Laboratory Biosafety Course, Milano (Italy), March 27-31.  
 2017: British Toxicological Society, Continuing Education Course on Mixture toxicity and risk assessment, Liverpool (UK), April 3.  
 2017: EUROMIX project, Stakeholder Workshop, Bruxelles (Belgium), May 19  
 2017: International Society for the Study of Xenobiotics, Koeln (Germany), June 26-29  
 2018: SITOX, Bologna (Italy), March 10-13  
 2018: ICOH, Dublin (Ireland), April 29-May 3  
 2018: Fresenius Conference on Pesticide Metabolites, Mainz (Germany), April , 16-17  
 2018; Congress of Toxicology in Developing Countries, Belgrade (Serbia), April, 18-21  
 2018: Fresenius Conference on Genotoxicity, Mainz (Germany), June 21-22  
 2018: Società Italiana di Medicina del Lavoro, Bari (Italy), September 26-28  
 2018: EUROMIX project, Harmonisation Workshop, London (UK), October 25  
  
 2019: EUROMIX project, Stakeholder Workshop, Bruxelles (Belgium), March 26  
 2019: WHO consultation on Euromix project, Geneve (Switzerland), April 15  
 2019: IUPAC meeting, Ghent (Belgium), May 22-24  
 2019: Società Italiana di Medicina del Lavoro, Trieste (Italy), September 26-28  
 2019: Fresenius Conference on mixtures toxicity, Cologne (Germany), October 29-30  
 2109: TYAN conference (on behalf of IUTOX), Monastir (Tunisia), November 5-6  
 2019: IAEA/FAO Training course on Food Safety, Windhoek (Namibia), November 11-15  
 2019: CICAP meeting, Milano (Italy), November 23  
 2019: La valutazione del rischio chimico (SITOX Meeting), Urbino (Italy), November 29  
 2020: SITOX, Bologna (Italy), February 11-12  
 2020: Risk Assessment Summit, Washington, DC, USA, February 18-19  
 2020: SOT, Anaheim, California (USA), March 15-19  
 2020: Fresenius Conference on Metabolites, Wiesbaden (Germany), March 24-25

Invited regularly to meetings and conferences with the general population and non-specialists.

### ***Research grants since 2010***

2006-present: Several grants from the Ministry of Health to carry out the assessment of pesticides and plant protection products

Coordinator

2009-2011 TRISK project of Executive Agency for Health and Consumers: *European Advanced Risk Assessors Accredited Training Programme for highly qualified toxicology experts*

WP leader

2010-2011 Regione Lombardia: Pilot study on the risk assessment of polluted areas (progetto pilota nella valutazione del rischio di aree inquinate).

Coordinator

2010-2013 ACROPOLIS project, VII FP: *Aggregate and Cumulative Risk Of Pesticides: an On-Line Integrated Strategy*

Local coordinator and WP leader

2012: European Food Safety Authority: Assessment of epatotoxic effects for the inclusion in “Cumulative Assessment Groups”:

Coordinator.

2012: European Chemicals Agency: monitoring of the educational offer in Europe based on evaluation of chemical risk for the purpose of REACH and CLP regulation:

Participant.

2012-2015 TEMPUS project: Central Asian Network for Education, Research and Innovation in Environmental Health (CANERIEH)

Member of the research group

2013: Unrestricted grant from Pirelli Tyre spa to assess the genotoxic risk in the rubber industry.

Coordinator

2014-2015: CEFIC (European Chemical Industry Council): Quality assessment of the epidemiological evidence of adverse effects to humans of endocrine active substances in the environment.

Partner

2015-2019: EUROMIX project (Horizon 2020): European Test and Risk Assessment Strategies for Mixtures.

Local coordinator and WP leader

2016: Unrestricted grant from Pirelli Tyre spa to assess the genotoxic risk in the rubber industry.

Coordinator

2016: Unrestricted grant from UNIC to study the characteristics of human sweat in relation to chromium VI exposure.

Coordinator

2016-2017: Unrestricted grant from ISAGRO to develop a database to assess the possible endocrine activity of a compound.

Coordinator

2018-2019: Unrestricted grant from A2A to review the literature on health effects of incinerators,.

Partner

2019-present: Grants from the Ministry of Health of Malta to carry out the assessment of pesticides and plant protection products

Coordinator

2019-present: PRIN: RHAPS, Redox-activity and Health-effects of Atmospheric Primary and Secondary aerosol

Partner

2019-present: PRIMATE: An integrated precision medicine approach to malignant mesothelioma: from mutation load to epidemiology and therapy, From Fondazione Regionale per la Ricerca Biomedica (Lombardia).

Partner

2020-2021: Grant for CEFIC LRI on Incidence trends of selected endocrine-related diseases and conditions in Europe and North America, and the contribution of changes in human reproduction.

Partner

2021-2024: Orchestra Project (European Commission) Connecting European Cohorts to Increase Common and Effective Response to SARS-CoV-2 Pandemic.

Third Party

2022-2028: PARC Project (European Commission) European Partnership for the Assessment of Risks from Chemicals

Associated Entity