



**Europass
Curriculum Vitae**

Personal information

First name(s) / Surname(s)	Luca Tosti
E-mail	Work: tosti.luca@asst-fbf-sacco.it Private: luca.tosti0@gmail.com
Nationality	Italian
Date of birth	22/02/1975
Gender	Male

Work experience

Dates	10/2015-03/2016 and 9/2016-ongoing
Occupation or position held	Operator exposure and toxicology expert.
Main activities and responsibilities	Compilation of database, specific for the pesticide active substances and their metabolites comprising the main genotoxicity endpoints. National expert for the evaluation of mammalian toxicology and operator exposure assessment, on behalf of industrial dossiers assessment within the EC registration process of plant protection products and active ingredients (directive 91/414/EC) and biocides (directive 98/8/EC). In particular: acute, short term, long-term and carcinogenicity, genotoxicity, reproductive, and developmental toxicity assessment. Participation as Italian delegate at EFSA expert meetings and Biocides Technical Meeting (TM) at JRC-IHCP. Consultant to the Italian Ministry of Health to prepare registration report on plant protection product at national and European level. Since 2015, scientific expert for the JMPR, a Food and Agriculture Organization of the United Nations (FAO) and WHO joint meeting.
Name and address of employer	Department of clinical biomedical sciences "Luigi Sacco", Università degli studi di Milano, via festa del Perdono 7, 20122 Milano, Italy. OR International Centre for Pesticides and Health Risk Prevention (ICPS), University Hospital Luigi Sacco Padiglione 17, Via G.B. Grassi, 74, 20157 Milano - Italy
Type of business or sector	Health

Dates	2/2012-10/2015
Occupation or position held	Operator exposure and toxicology expert
Main activities and responsibilities	National expert for the evaluation of mammalian toxicology and operator exposure assessment, on behalf of industrial dossiers assessment within the EC registration process of plant protection products and active ingredients (directive 91/414/EC) and biocides (directive 98/8/EC). In particular: acute, short term, long-term and carcinogenicity, genotoxicity, reproductive, and developmental toxicity assessment. Participation as Italian delegate at EFSA expert meetings and Biocides Technical Meeting (TM) at JRC-IHCP. Consultant to the Italian Ministry of Health to prepare registration report on plant protection product at national and European level. Participation as Italian delegate at EFSA expert meetings: <ul style="list-style-type: none">• 2012 (Pesticides Peer Review Meeting PPR 90)• 2014 (Pesticides Peer Review Meeting PPR 118, 122)• 2015 (Pesticides Peer Review Meeting PPR 125, 134) Since 2015, scientific expert for the JMPR, a Food and Agriculture Organization of the United Nations (FAO) and WHO joint meeting. Data Entry experience: From 2012 to 2013: Toxicology expert for liver and gallbladder data collection, data entry and data analysis in: European Food Safety Authority Project: Toxicological data analysis to support grouping of pesticide active substances for cumulative risk assessment of effects on liver, on the nervous system and on reproduction and development. From 2013 to the present: Toxicology expert for liver, gallbladder and thyroid data collection, data entry and data analysis in: European Food Safety Authority Project: Toxicological data collection and analysis to support grouping of pesticide active substances for cumulative risk assessment of effects on the nervous system, liver, adrenal, eye, reproduction and development and thyroid system.
Name and address of employer	International Centre for Pesticides and Health Risk Prevention (ICPS), University Hospital Luigi Sacco Padiglione 17, Via G.B. Grassi, 74, 20157 Milano - Italy
Type of business or sector	Health

Dates	10/2008-10/2011
Occupation or position held	Scientific Project Officer
Main activities and responsibilities	<ul style="list-style-type: none"> Administrative and managerial support to the key area leader for research and validation of alternative methods to animal testing in the area of sensitization (skin and respiratory 7th amendment of the Cosmetic Directive 76/768/EEC; Directive 2003/15/EC and REACH). Assisting with project planning and design, scientific consulting, outsourcing and coordination of (pre)-validation studies, contracts review, making minutes during teleconferences and regular meetings, preparing and reviewing scientific reports. Organization of international meetings and interaction with internationally recognized expert in the field. Assisting with the daily management of the <i>Sens-it-iv</i> European FP6 Integrated Project, including responsibility for the following deliverables: <ul style="list-style-type: none"> Member of the steering committee and the management group. Workpackages leader and member. Establishment and maintenance of a compound database. Selection of the reference compounds for training, optimization and internal pre validation. Acquisition repository and distribution of reference compounds. Build up of a database containing in vitro data retrieved from literature. Advisory function advising consortium partners with technology transfer and compliance with the European pre-Validation requirements, including revision of SOPs and their standardization. Dissemination of scientific and technological results generated in the various work packages. <p>In the field of validation of alternative methods studies I am involved in the validation of three in vitro methods aimed at assessing the potential skin sensitizing ability of compounds. In this context I am:</p> <ul style="list-style-type: none"> Member of the Chemical Selection Group (CSG) to provide support in defining the general strategy and criteria for the chemical selection, as well as for the chemical selection activities. Responsible for applying the selection criteria to the chemical database in order to screen out the chemicals that did not meet the selection criteria and identify a set of chemicals to be proposed to the Validation Study Management Team for endorsement.
Name and address of employer	European Commission - DG JRC - In-Vitro Methods Unit, European Center for the Validation of Alternative Methods (ECVAM), Institute for Health and Consumer Protection (IHCP), Via Enrico Fermi 2749, I - 21027 Ispra (VA), Italia
Type of business or sector	Regulatory acceptance of alternative methods

Education and training

Dates	2005 - 2008
Title of qualification awarded	Ph.D.
Principal subjects/occupational skills covered	<p>Thesis title: "Characterization of biomarkers for teleost egg quality evaluation".</p> <p>During the Ph.D. period I developed my research on biology of reproduction and more properly on:</p> <ul style="list-style-type: none"> Marine teleosts endocrinology and physiology of reproduction; Teleosts gametes quality; Reproductive toxicology; Development of sustainable alternative diets for teleosts farming; Oocyte cryopreservation. <p>I was elected member of the examination academy board for the course in biology of reproduction.</p>
Name and type of organisation providing education and training	Prof. Oliana Carnevali, reproduction and development biology laboratory, Department of Marine Science, Faculty of Biological Science , Polytechnic University of Marche, via brece bianche, 60131 Ancona, Italy.
Dates	1995 - 2002
Title of qualification awarded	Academic degree in Biological Sciences.
Principal subjects/occupational skills covered	Degree in Biology Science with a Marine Biology and Oceanography curriculum, getting 110/110, disputing an experimental thesis titled: "Reproductive cycle of the deep sea shark <i>Centroscyrmus coelolepis</i> ".
Name and type of organisation providing education and training	Professor Oliana Carnevali, reproduction and development biology laboratory, Department of Marine Science, Faculty of Biological Science , Polytechnic University of Marche, via brece bianche, 60131 Ancona, Italy.
Level in national or international classification	ISCED 5A

Personal skills and competences

Mother tongue(s)	Italian									
Other language(s)										
Self-assessment	Understanding				Speaking				Writing	
European level (*)	Listening		Reading		Spoken interaction		Spoken production			
English	C2	Advanced level	C2	Advanced level	C2	Advanced level	C2	Advanced level	C2	Advanced level
Spanish	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
French	B1	Independent user	A1	Basic user	B1	Independent user	A2	Basic user		

(*) Common European Framework of Reference for Languages

Social, organizational skills and competences	<ul style="list-style-type: none"> - Flexibility, I have the ability to adapt to different working environments and situations. - Positive attitude and I pursue my goal with determination to achieve it. - Hard, punctual and reliable worker - One of my greatest strengths is that I believe that I should always be improving upon myself. - Good interpersonal skills - Strong analytical, organizational and communication skills and can adapt easily to a variety of environments and stakeholders. - Ability to work efficiently in a multi-cultural team. - Quick learning and good problem solving skills.
Technical skills and competences	Laboratory technics: SDS-PAGE; Western Blotting; HPLC, Use of spectrophotometer (VIS-UV); RNA extraction; RNA inverse transcription; RT-PCR; Real-Time PCR; DNA extraction; Sexual Homones's assay; Whole-mounte in situ hybridization; Enzymatic activities; ELISA (Enzyme-Linked Immuno Sorbent Assay); TUNEL assay (DNA fragmentation)
Computer skills and competences	Windows 95/98/2000/NT/XP/Vista (Microsoft Office) software: Photoshop, Correl Draw, GraphPad prism 4, Primer 3, ScienceDirect, PubMed , Bio-Rad iQ5 2.0.
Additional information	<p>Original articles</p> <ol style="list-style-type: none"> 1. Eva Negri, Francesca Metruccio, Valentina Guercio, Luca Tosti, Emilio Benfenati, Rossella Bonzi, Carlo La Vecchia & Angelo Moretto. Exposure to PFOA and PFOS and fetal growth: a critical merging of toxicological and epidemiological data. <i>Critical Reviews in Toxicology</i> 2017. 2. Bruna Corradetti, Alessandra Stronati, Luca Tosti, Giancarlo Manicardi, Oliana Carnevali, Davide Bizzaro. Bis-(2-ethylhexyl) phthalate impairs spermatogenesis in zebrafish (Danio rerio). <i>Reproductive Biology</i>, Volume 13, Issue 3, September 2013, Pages 195-202. 3. Angers A., Tosti L. and Casati S. The regulatory use of the Local Lymph Node Assay for the notification of new chemicals in Europe. <i>Regulatory Toxicology and Pharmacology</i>. 2011; 60: 300-307. 4. Carnevali O., Tosti L., Speciale C., Peng C., Zhu Y. and Maradonna F. DEHP Impairs Zebrafish Reproduction by Affecting Critical Factors in Oogenesis. <i>PLoS One</i>. 2010; 5(4): e10201. 5. Kinsner-Ovaskainen A., Akkan Z., Casati S., Coecke S., Corvi R., Dal Negro G., De Bruijn J., De Silva O., Gribaldo L., Griesinger C., Jaworska J., Kreysa J., Maxwell G., McNamee P., Price A., Prieto P., Schubert R., Tosti L., Worth A. and Zuang V. Overcoming barriers to validation of non-ani mal partial replacement methods/Integrated Testing Strategies: the report of an EPAA/ECVAM workshop. <i>Altern Lab Anim</i>. 2009; 37 (4): 437-44. 6. Casati S., Aeby P., Kimber I., Maxwell G., Ovigne J.M., Roggen E., Rovida C., Tosti L., Basketter D. Selection of chemicals for the development and evaluation of in vitro methods for skin sensitisation testing. <i>Altern Lab Anim</i>. 2009; 37 (3): 305-12. 7. Zhang T., Rawsom D.M., Cionna C., Tosti L. and Carnevali O.: Cathepsin activities and membrane integrity of zebrafish (Danio rerio) oocytes after freezing to -196 degrees C using controlled slow cooling. <i>Cryobiology</i>. 2008; 56 (2): 138-143. 8. Carnevali O., Cionna C., Tosti L., Cerda' J., Gioacchini G. Changes in cathepsin gene expression and relative enzymatic activity during gilthead sea bream oogenesis. <i>Mol. Reprod. Dev</i>. 2008; 75: 97–104. 9. Carnevali O., Cionna C., Tosti L., Lubzens E., and Maradonna F. Role of cathepsins in ovarian follicles growth and maturation. <i>Review Gen. Comp. Endocrinol</i>. 2006; 146 (3): 195-203. 10. Tosti L., Danovaro R., Dell'Anno A., Olivotto I., Bompadre S., Clo S. and Carnevali O. Vitellogenesis in the deep-sea shark <i>Centroscyrnus coeleolepis</i>. <i>Chemistry and Ecology</i>. 2006; 22 (4): 335–345. <p>Book chapters</p> <ol style="list-style-type: none"> 1. Casati S., Tosti L., Hermans H. and Basketter, D. Remaining challenges beyond test development (i.e from having a test to having it accepted and ready for regulatory purposes). Article contribution to the monograph "Progress towards novel testing strategies for in vitro assessment of allergens", Erwin L. Roggen, Hans-Ulrich Weltzien and Helma Hermans. ISBN 978-81-7895-519-3. 2. Tosti L. and Casati S. Needs and requirements of alternative approaches to animal testing. Article contribution to the monograph "Progress towards novel testing strategies for in vitro assessment of allergens", Erwin L. Roggen, Hans-Ulrich Weltzien and Helma Hermans. ISBN 978-81-7895-519-3. <p>Scientific reports</p> <ol style="list-style-type: none"> 1. ANSES/ICPS/RIVM (Agency for Food, Environmental and Occupational Health and Safety/ International Centre for Pesticides and Health Risk Prevention/ National Institute for Public Health and the Environment), 2013. Toxicological data analysis to support grouping of pesticide active substances for cumulative risk assessment of effects on liver, on the nervous system and on reproduction and development, 88 pp. Available online: http://www.efsa.europa.eu/en/supporting/pub/392e.htm 2. RIVM, ICPS, ANSES, 2016. Toxicological data collection and analysis to support grouping of pesticide active substances for cumulative risk assessment of effects on the nervous system, liver, adrenal, eye, reproduction and development and thyroid system. EFSA supporting publication 2016:EN-999. 184 pp. 3. F. Metruccio, I. Castelli, C. Civitella, C. Galbusera, F. Galimberti, L. Tosti, A. Moretto, 2017. Compilation of a database, specific for the pesticide active substance and their metabolites, comprising the main genotoxicity endpoints. EFSA supporting publication 2017:EN-1229. 125 pp. doi:10.2903/sp.efsa.2017.EN-1229.