

CURRICULUM VITAE

Isabelle P. OSWALD

Senior Staff Scientist (DR1)

Deputy head of the Research Center in Food Toxicology

INRA, UMR1331 ToxAlim,

Research Center in Food Toxicology

EDUCATION

2001: Ability to supervise research, University of Toulouse

1990: Ph.D., Université de Rennes I, France, honors.

1990 : Diplôme d'Immunologie Générale de l'Institut Pasteur, mention bien.

1986 : M.S. in Biology, Université de Rennes I, France, honors

1986 : Engineer in Agricultural Sciences, Ecole Nationale Supérieure d'Agronomie de Rennes, Award.

RESEARCH EXPERIENCE

1996- present: INRA, UMR1331 Toxicologie Alimentaire, Toulouse.

Research focused on the effect of mycotoxin on the immune system and the intestine

1994-96 : UMR, Physiopathologie et Toxicologie Expérimentales, Ecole Nationale Vétérinaire, Toulouse.

Research focused on the detection of cytokines in pig

1990-94 : National Institutes of Health, NIAID, Lab. of Parasitic Diseases, Bethesda, USA

Research focused on cytokines production during *Schistosoma mansoni* infection

1989-90 : URA CNRS 1116, Institut de Biochimie, Université Paris-Sud, Orsay.

Research focused on genetic control of macrophage activation

1987-89 : INRA, Station de Pathologie Infectieuse et Immunologie, Nouzilly.

Research focused on the genetic control of Salmonella infection in mice and sheep

SCIENTIFIC EXPERTISE

- *Editorial boards*: World Mycotoxin Journal (Editor for the Toxicology section, 2014-present), The Open Veterinary Science Journal (2008-present, section editor), ISRN Veterinary Science (2010-present), Frontier Immunology (2010-present), Toxins (2014-present), Veterinary Immunology and Immunopathology (2001-2014), Journal of Animal Sciences (2007-09), Scientific World Journal (2011-2014), Journal of Toxins (2012- 2016).
- *Reviewer for scientific papers* (Total 170 papers submitted to 44 journals including): Am J Pathol, Animal, Arch Toxicol, Biochem Pharmacol, Cytokine, Eur J Immunol, Food Add Contam, Food Chem Toxicol, Infect Immun, Int Immunol, J Agri Food Chem, J Anim Sci, J Clin Invest, J Immunol Method, J Immunol, J Leuk Biol, Mol Nutr Food Res, Mycopathologia, Proteome Res, Proteomics, Tox Appl Pharmacol, Tox Letters, Tox Sci, Toxicon, Toxins, Vaccine, Vet Immunol Immunopathol, Vet Res, World Mycotoxin J...
- *Reviewer for research grants*: European Commission (5 participations), Natural Sciences and Engineering Research Council of Canada (1997-2005: external reviewer, 6 projects; 2007-11: internal reviewer for 60-100 applications/year), Biotechnology and Biological Science Research Council (Great-Britain, 1 project), Austrian Science Fund French Agency for Food Safety (3 projects), National Research Foundation (South Africa, 1 project), Grant Agency of the Czech Republic (5 projects), Research Grant Council (Hong-Kong, 2 projects), Ministero dell Istruzione dell Università e della Ricerca (1 project), French Ministry of Research and Education (6 projects), Harras nationaux (2 projects), NVO (Netherlands, 5 projects), OTKA (Hungary, 1 project), MITCAS (Canada, 1 project)
- *Scientific committee*:
 - EFSA-European Food safety Agency. *Working Groups*: Mycotoxin detoxification (2009-12), Fusarium mycotoxin (2010-present), Health based guidance values for Mycotoxins and their modified forms (vice-chair, 2015-17) Mycotoxins in Feed (chair, 2015-17). *Panel*: Contaminants in the Food Chain (2015-18)
 - ILSI Europe (masked mycotoxin working group, 2010-12; Mitigation of mycotoxin working group, 2014-15)
 - ANSES-French Agency for Food, Environmental and Occupational Health & Safety. *Working Group*: Mycotoxin (2004-07), Mould in buildings (2013-16), Prioritization of chemical hazards in animal feed (chair, 2016-17). *Panel*: Contaminants and residues (3 terms, 2003-12), Feed (2015-present)
 - INRA –French National Institute for Agricultural Research *Swine committee* (2004-présent), *Toulouse regional centre* (2003-7), *AGENAE* (Analysis of farm animal genome): executive committee (2001-03), swine thematic com (2003-07), *Toulouse Genopole* – animal-plant committee (1999-2003)

IARC - International Agency for Research on Cancer (Working group on Aflatoxin Control Measures, June 2014, Lyon, France)
Natural Sciences and Engineering Research Council of Canada: (2007-11) Internal expert in the Animal Integrative Biology panel (20 members, I was the only French)
University of Toulouse, Veterinary School, Scientific committee (2016); Faculty of Pharmacy, Substitute member, 40^{ième} section (2005-09)
Canadian Research Center on Pig infectious diseases: orientation committee (2006-12)
US-EC Task Force on Biotechnology Research (Dec 2006, Ames, USA),

INTERNATIONAL GRANTS

- Partner of the European projects AEEC infections (2000-04), Healthypigut (2001-04); Feed for Pig Health (2004-07); EADGENE (2004-09); Interplay (2009-13); Mycored (2009-13), the European Networks EADGENE (2004-09) and NADIR (2012-13), the European supported action FOODSEG (2011-14)
- Partner of EFSA projects Mycodex (2009-10), Immunostimulant (2014-15)
- French representative for the European collaborative actions COST 835 Agriculturally important toxigenic fungi (2000-03), COST FA0802 Feed for Health (2008-12), COST FA1401 PiGutNet (2014-18)
- Head of two international training networks (Réseaux Formation Recherche, Ministère de l'éducation nationale, 2002-4, 2006-9)
- Partner of the French-egyptian project (IRD-Aflared, 2012-14), Canadian (NSERC, 1996-99), British (OMS-TDR 232, 2001-03) and Swedish projects (SAREC, 2003-06) as well as the EFSA projects (European Food Safety Agency: Mycodex, 2009; Immune stimulator 2014-15)
- Head of several bilateral projects: PROCOPE (France-Germany, 2002-03), SAKURA (France-Japan, 2005-06 and 2014-15), TOURNESOL (France-Belgium, 2006-07), BRANCUSI (France-Romania, 2007-08), COFECUB (France-Brazil, 2008-11, 2014)
- Head of three collaborative projects with former European Easter countries (Réseau Formation Recherche 2002-04 and 2006-10; ECO-NET 2006-07)

NATIONAL GRANTS

- ANR projects: GENANIMAL (réponse immunitaire du porc 2004-06, coordination; IMMOPIG, 2006-09), PNRA (ExpoMatPest, 2008-10), GENOMIQUE (Sus flora, 2011-14), ALID (Aflafree, 2012-15), CES (DON & Co, 2011-14), CESA (ImBio, 2013-16), LabCom (Feed Screen, 2014-17, coordination), Générique (CaDON, 2015-19; NewMyco 2015-19), ICESA (Liporeg, 2015-19)
- ANSES project: Aerostachytox (2014-15)
- Projet National de Recherches Intégrées : RARE - Fusariotoxines (2003-06)
- Contrat en Environnement et Santé : Risque des mycotoxines fusariennes (1999-2001); altération de la réponse immune par la Fumonisine B1 (1998-2000)
- Industrial projects : Nutreco (2010-12); Biomin (2007-10 and 2012-16); Alltech (2004-07); Lallemand (2011-12)
- AFSSA-INRA projects: ImmunoMucoPorc (2006-08); DonPorc (2005-06)
- Regional projects : TransFumo (2004-05); Mycotoxines (2000-04); Santé digestive (2011-12); Tool4gutHealth (2014-18)
- FUI Melofeed (2012-2016)

FELLOWS

Post-doctoral fellows: S Snini (2016-17); I Alassane (2015-17); L Murate (2014-15); S Mimouni (2013-2015); P Gourbeyre (2013-15); D. Payros (2012-16); M Theumer (2012); M. Sassahara (2009-10); G Meissonnier (2007-9); M. Gallois (2006-7); F Accensi (2003-5); S Pie (2001-4); N Ledger (2001-04); I. Taranu (2001-03); S Fournout (1997-9); C. Dozois (1995-7)

PhD fellows: H Thanh (2015-18); T Hautebergue (2014-17); A Pierron (2013-16); J. Tannous (2012-15); S. Snini (2012-15); I Alassane (2010-13); P. Cano (2010-13); P. Pinton (2008-12); R. Solignac (2007-10); B. Grenier (2007-10); Y Waché (2006-9); G. Meissonnier (2004-7); D Marin (2000-5); ME. Gouze (2000-5); S. Bouhet (2000-5)

PUBLICATIONS

122 original papers in international peer-reviewed journals; 58 reviews or book chapters; 155 Conferences; 344 communications/posters during congress; Editor the book "Mycotoxin in farm animals";
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MEMBERSHIP

International Society for Mycotoxicology (2007), Association pour la Recherche en Toxicologie (since 2000), American Association of Veterinary Immunologist (since 1998), American Association of Immunologist (since 1993), Society for Leukocyte Biology (since 1992), Société Française d'Immunologie (since 1991)