



EUROTOX 2015
PORTO - PORTUGAL

2015 Merit Award

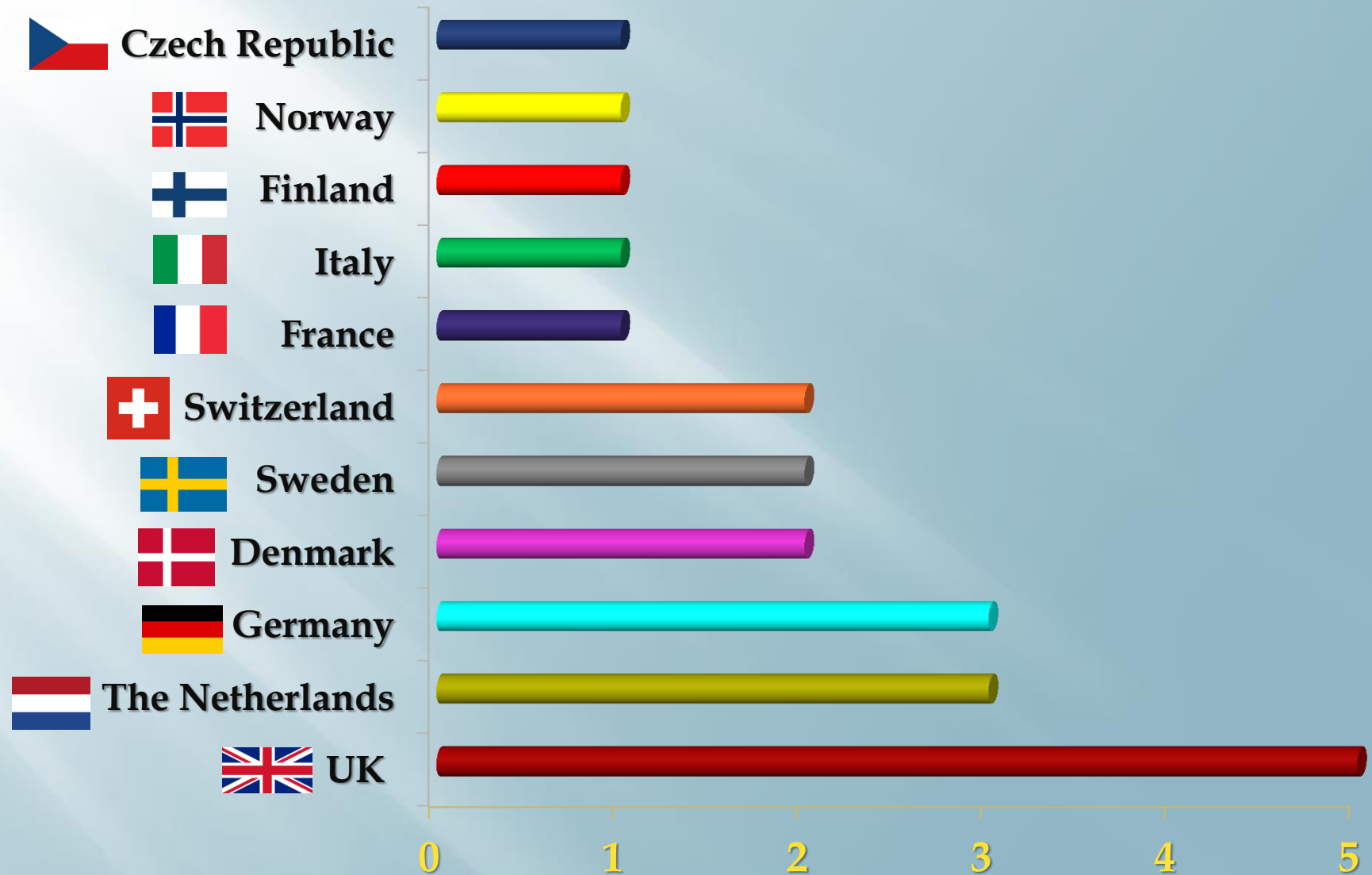
Aristides M. Tsatsakis

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<http://aristsatsakis.com>



Past Merit Award Recipients



2014: Dieter Schrenk , University of Kaiserslautern (Germany)
2013: Herman Autrup, University of Aarhus (Denmark)
2012: Peter Moldéus, Karolinska Institute (Sweden)
2011: Gerhard J. Nohynek, L'OREAL (France)
2010: Henk Van Loveren, RIVM (The Netherlands)
2009: Alan Boobis, Imperial College London (UK)
2008: Vito Foà, University of Milan (Italy)
2007: Robert Kroes, Utrecht University (The Netherlands)
2006: Jouko Tuomisto, (Finland)
2005: Erik Dybing, (Norway)
2004: **Helena Rasková, (Czech Republic)**
2003: Victor Feron, (The Netherlands)
2002: Ian Purchase, (UK)
2001: Herman Bolt, (Germany)
2000: Anthony Dayan, (UK)
1999: Jens Schou, (Denmark)
1998: Martin Johnson, (UK)
1997: Sten Orrenius, (Sweden)
1996: Robert Hess, (Switzerland)
1995: Dietrich Henschler, (Germany)
1994: Norman Aldridge, (UK)
1993: Bo Holmstedt, (Sweden)
1992: Gerhard Zbinden, (Switzerland)

EUROTOX MERIT AWARD 2015

- **This year's merit awardee** graduated in Physiology from the University of Birmingham in 1969
- **She** then joined the laboratory of Frank Sullivan, a leading researcher in endocrine toxicology and teratology at Guy's Hospital Medical School in London



UNIVERSITY OF
BIRMINGHAM



RESEARCH HIGHLIGHTS

Behavioural teratology

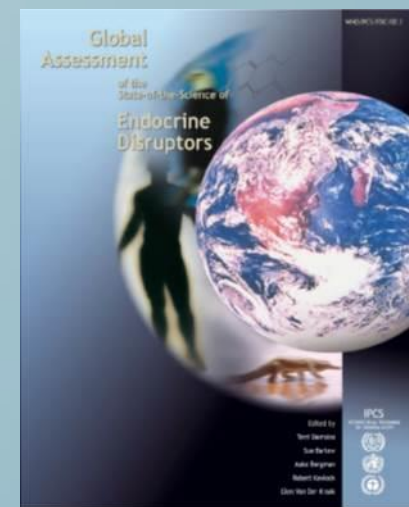


- In the 1960s, as a result of the thalidomide disaster, teratology research and drug safety testing was focused on detection of visible birth defects
- In 1969, the team at Guy's began to explore a new area of research, the effect of prenatal exposure to drugs on brain and behaviour, now known as developmental neurotoxicology, devising tests to screen drugs and other chemicals
- This work contributed to international efforts to update regulatory requirements to include such tests
- They were incorporated into preclinical drug testing guidelines in Japan in 1974 and the UK in 1975

Reproductive hazards of industrial chemicals

- Working in another new area, she researched and co-authored the book, **“Reproductive Hazards of Industrial Chemicals”**
- This book critically evaluated animal and human data on 50 industrial chemicals
- It was the first of its kind and stimulated much interest in this neglected area among **regulators, epidemiologists, trade unions, and industry**
- The US National Research Council referred to it as a “classic reference book”
- This work contributed to the debate about the need to safeguard the workplace for all, including women of childbearing age.
- **In the EU, this debate resulted in the Pregnant Workers Directive of 1992.**
- **California EPA used this book to prioritise candidate chemicals** for consideration under the 1986 law, that lists chemicals known by the state to cause cancer or reproductive toxicity and requires warnings on consumer products containing such chemicals

Endocrine active substances



- She was active participant in one of the first international meetings on endocrine disruption, the European Workshop on the Impact of Endocrine Disruptors on Human Health and Wildlife, Weybridge, 1996, convened by the EC, WHO, EEA, UK DoE, UBA, KEMI
- She co-authored the US Teratology Society position paper on **“Developmental toxicity of endocrine disruptors to humans”** (published in Teratology, 1999)
- She is member of the WHO/IPCS Steering Group on Endocrine Disruptors, which produced the first **Global Assessment of the State-of-the-Science of Endocrine Disruptors in 2002**

REGULATORY TOXICOLOGY

- After 15 years in research, she joined the Department of Health in London in 1983 as a regulatory toxicologist and became Chief Scientist there in the 1990s.
- She has been involved nationally and internationally in risk assessment of all types of chemicals, and has a long record in public service, advising on pesticides, industrial chemicals, consumer products, food additives, food contaminants, veterinary residues and packaging materials.



WHO

- She is a member of the WHO Expert Advisory Panel on Food Safety, and has been involved in many meetings of the Joint FAO/WHO Expert Committee of Food Additives (JECFA)



- She developed a generic risk assessment model for WHO for insecticide-treated bed nets, enabling their safe use for the prevention of many thousands of deaths from malaria.



UK and EU Committees

- **Member of the UK Biocides Consultative Panel**
- **Member of the UK Advisory Committee on Pesticides, Medical & Toxicology Panel**
- **Represented the EU for 5 years on the Veterinary International Cooperation on Harmonisation (VICH) Safety Working Group**
- **Member and vice-chair of the European Commission's Scientific Committee on Food and chaired its Additives Working Group from 1993-2003**

European Food Safety Authority

- **Member of EFSA's Scientific Committee 2003-2012.**
Chaired working groups on TTC and on Genotoxicity testing strategies.
Co-author of 30 opinions and guidance documents.
- **Chaired EFSA's Scientific Panel on Food Additives, Flavourings, Processing Aids and Materials in Contact with Food, 2003-08.**
Co-author of over 250 opinions and guidance documents.



PUBLICATIONS

Author and co-author of over 100 research articles, reviews and book chapters, on topics including

- **Stress in pregnancy**
- **Teratology**
- **Behavioural testing methods**
- **Endocrinology & endocrine disruption**
- **Risk factors for sudden infant death syndrome**
- **Food additives, food contact materials, food contaminants, GMOs**
- **Pesticides**
- **Veterinary medicines**
- **Insecticides on bednets for prevention of malaria**
- **Risk assessment methodology**
- **Threshold of Toxicological Concern**

- **Awarded Fellowship
of the British Toxicology Society in 2008**
- **Awarded Honorary Membership
of European Teratology Society in 2014**
- **EUROTOX/SOT Debater on the topic
of the Threshold of Toxicological Concern (TTC) in 2010**
- **Reviews Editor for Food and Chemical Toxicology 1999-2015**
- **Since 1996 she has been working as an independent consultant
spending most of her time in public service activities**

Susan Barlow BSc PhD DipRCPath

