

International Union of Toxicology

**PROPOSAL TO THE NOMINATING COMMITTEE:
MEMBERS SUITABLE FOR NOMINATION TO THE IUTOX EXECUTIVE COMMITTEE
FOR THE PERIOD 2019-2022**

Proposal due to Barbara Hales at the [IUTOX Secretariat](#) by: **November 19, 2018**
Please include a short CV for the nominee

PROPOSAL SUBMITTED BY

Member Society: British Toxicology Society

Name and signature of IUTOX Member Society representative submitting nomination:



Position: Dr Ernie Harpur; Immediate Past President and Chair of the Nominations Subcommittee

Signature:



Date: 18th November 2018

BIOGRAPHICAL DETAILS OF PROPOSED CANDIDATE

Name and signature of proposed candidate: Professor Alan Boobis

Nomination for officer or director may be indicated: Director

Date of Birth: 15 January 1949

Current Position: Professor of Toxicology

Address: Imperial College London, Ducane Road, London W2 0NN, UK

Nationality: British

Scientific Field: Toxicology

Education:

1971 - BSc (Hons), University of Glasgow

1974 – PhD, University of Glasgow

Professional positions held (with dates):

2017-present Professor of Toxicology (part-time, 0.1 FTE), Imperial College London

20 June 2017 Retired from substantive chair at Imperial College London

1996-2017 Professor of Biochemical Pharmacology, Imperial College London
(formerly RPMS, prior to merger)

2003-2017 Director of the Toxicology Unit (supported by Public Health England),
Imperial College London

1998-2003 Deputy Director of the Department of Health Toxicology Unit,
Imperial College London

1988-1996 Reader, Department of Clinical Pharmacology, Royal Postgraduate
Medical School, London

1983-1988 Senior Lecturer, Department of Clinical Pharmacology, Royal
Postgraduate Medical School, London

1979-1983 Lecturer, Department of Clinical Pharmacology, Royal Postgraduate
Medical School, London

1976-1979 MRC Postdoctoral Research Fellow, Department of Clinical
Pharmacology, Royal Postgraduate Medical School, London

1974-1976 Fogarty Visiting Fellow at the National Institute of Child Health and
Human Development, National Institute of Health, Bethesda, MD, USA

IUTOX positions held (with dates):

International Congress on Toxicology, July 1989, Brighton, UK (Secretary of Executive
Committee)

Commission on Membership and Society Development (member: 2001-2004)

International Scientific Program Committee for International Congress on Toxicology
(member: ICT VIII, Paris 1998; ICT X, Tampere 2004; ICT XII, Barcelona, 2010)

Member Society positions held (with dates):

British Toxicology Society: Fellow, past member of Executive Committee, Chairman:
1994-1996; past member and Chair of Education Committee, past member of
Scientific Committee

EUROTOX Honorary member (2006-date), past Executive Committee member, Past
President (2000-02)

US Society of Toxicology (member)

Professional memberships and/or awards:

- 1991 Elected FIBiol (now FRSB – Fellow of the Royal Society of Biology)
- 2003 OBE for services in the risk assessment of pesticides
- 2006 Elected Honorary Member of EUROTOX
- 2006 Elected FBTS (Fellow of the British Toxicology Society)
- 2009 EUROTOX Merit Award (recognising a distinguished career in European toxicology)
- 2013 British Toxicology Society John Barnes Prize Lectureship (achievement in toxicology)
- 2013 Royal Society of Chemistry Toxicology Award (for contributions to occupational and environmental toxicology)
- 2013 Visiting professor at the Chulabhorn Graduate Institute, Thailand
- 2016 US Society of Toxicology Arnold J. Lehman Award (contributions to risk assessment)
- 2016 Elected FBPhS (Fellow of the British Pharmacological Society)

Member of the Scientific Sub-Committee (of the Advisory Committee) on Pesticides (SSCP) of MAFF from 1992-1996

Member of UK Advisory Committee on Pesticides (1997-2002)

Deputy Chairman (2000-2002)

Chairman of Medical and Toxicology Panel (2000-2003)

Member of the Veterinary Residues Committee (2001-2004)

Member of the MAFF Food Research Programme Appraisal Panel (1995 & 1997)

Member of Committee on Carcinogenicity (2003-2013)

Member of Committee on Toxicity (2003-2012); Deputy chair 2008-12

Chair of the Committee on Toxicity (2015-date)

Member of HPA Board Sub-Committee for Radiation, Chemical and Environmental Hazards (2005-2010)

Member of WHO Expert Advisory Panel on Food Safety (1997-)

Member of the Joint FAO/WHO Expert Committee on Food Additives (Residues of Veterinary Drugs) (1997-date); Chair/vice-chair (2011-2015)

Member of the Joint FAO/WHO Meeting on Pesticide Residues (1999-date);

Chair/vice-chair/rapporteur (2003-2007; 2011-2016)

Member of the EU FWP6 External Advisory Group on Marie Curie Fellowships and Human Mobility (2003-2006)

Member of EU FWP7 Advisory Group “People” for Marie Curie Fellowships and Human Mobility (2006-2008)

Member of IPCS Harmonization Project Cancer Working Group (2003-2006)

Member of the WHO Task Group on Environmental Health Criteria for Principles for Modelling Dose-Response for the Risk Assessment of Chemicals (2004-2005)

Co-chair/member of IPCS Harmonization Project Steering Committee on Mode of Action (2011-date)

Expert advisor to World Trade Organisation Panel in Hormones Dispute (EU, US and Canada) (2006)

Member of the European Food Safety Authority Scientific Panel on Plant Health, Plant Protection Products and their Residues (PPR) (2003-2009); vice-chair from 2006-2009

Member of the European Food Safety Authority Scientific Panel on Contaminants in the Food Chain (CONTAM) (2009-2012)

Member of European Food Safety Authority Scientific Committee Working group on the Benchmark Dose/Benchmark Dose II (2006-2009; 2010)

Member of European Food Safety Authority Scientific Committee Working Group on Risk-Benefit Assessment (2007-2010)

Chair of ISO/TC126/Working Group 10: "Intense Smoking Regime" (nominated by UK Department of Health) (2007-date)

Participant in WHO Consultation on DDT Risk Assessment, 29-20 November, 2010, Geneva, Switzerland

Member of European Food Safety Authority Scientific Committee Working Group on the Threshold of Toxicological Concern (2009-2012)

Member of European Food Safety Authority Scientific Committee Working Group on Methodology for the Identification of Emerging Risks (2010-2011)

Member of the DG SANCO Scientific Committee on Health and Environmental Risks Working Group on Mixture of Chemicals (2010-2012)

Member of the ECVAM Working Group on Alternative (Non-animal) Methods for Cosmetics Testing: Current and Future Prospects (2010-2011)

Member of Committee on Medical Effects of Air Pollutants (COMEAP) (2013-date)

Member of the WHO Chemical Risk Assessment Network Coordinating Group (2013-date)

Member of the WHO Study Group on Tobacco Product Regulation (TobReg) (2012-date)

Member of WHO Risk Assessment Network CSAF Review Group (2015-2017)

Temporary Adviser at Meeting of the WHO Advisory Group on Disinsection for Controlling the International Spread of Mosquito-borne Diseases, Geneva, 21-22 April 2016

CURRICULUM VITAE

Alan Raymond Boobis OBE, Centre for Pharmacology & Therapeutics, Department of Medicine, Imperial College London, Hammersmith Campus, Ducane Road, London W12 0NN. (DOB: January 15, 1949). BSc with Honours (2i) in Pharmacology (1971 - University of Glasgow), PhD in Pharmacology (1974 - University of Glasgow), Fellow of the RSB and CBIol (1991), OBE (June 2003), Fellow of the BTS (2006), EUROTOX Merit Award (2009), BTS John Barnes Prize Lectureship (2013), Royal Society of Chemistry Toxicology Award (2013), visiting professor at the Chulabhorn Graduate Institute, Thailand (2013), US Society of Toxicology Arnold J. Lehman Award (contributions to risk assessment) (2016), Fellow of the BPhS (2016). Married with two children.

Email: a.boobis@imperial.ac.uk

Present appointment:	Professor of Toxicology (part-time, 0.1 FTE)
June, 2017	Retired from substantive chair at Imperial College London
1996-2017	Professor of Biochemical Pharmacology (from 1996) and Director of the Toxicology Unit (supported by Public Health England and the Department of Health) (from 2003), Imperial College London
1988-1996	Reader, Department of Clinical Pharmacology, RPMS
1992-1993	Sabbatical, MRC National Institute of Medical Research
1983-1988	Senior Lecturer, Department of Clinical Pharmacology, RPMS
1979-1983	Lecturer, Department of Clinical Pharmacology, RPMS
1976-1979	MRC Postdoctoral Research Fellow, RPMS
1974-1976	Fogarty Visiting Fellow, National Institutes of Health, USA

Learned societies

IUTOX: International Congress on Toxicology, July 1989, Brighton, UK (Secretary of Executive Committee); British Pharmacological Society (Fellow), British Toxicology Society (Fellow; Chairman: 1994-1996), UKEMS Molecular Epidemiology Group (Founder Member), Honorary member of EUROTOX (2006-) (Past President 2000-02), US Society of Toxicology (member), UK Biochemical Society (member 1971-2011).

UK representative on Management Committee of COST (Cooperation in the Fields of Science and Technology in Europe) B1: Determinants of interindividual differences in drug response (1986-1998). UK representative and Vice-chairman of Management Committee for COST Action B15: Modelling in drug development (1998-2004). Chairman and UK representative on Management Committee of COST B25: Physiologically based pharmaco/toxico-kinetics and dynamics (2005-2009).

Advisory committees

WHO Expert Advisory Panel on Food Safety (1997-), Joint FAO/WHO Expert Committee on Food Additives (residues of veterinary drugs) (chair/member 1997-present), Joint FAO/WHO Meeting on Pesticide Residues (chair/member 1999-present), member of the WHO Study Group on Tobacco Product Regulation (TobReg) (2012-), member of UK Committee on Carcinogenicity (2003-2013), member of UK Committee on Toxicity [member 2003-2012 and vice-chair 2009-2012; chair 2015-], member of UK HPA Board Sub-Committee for Radiation, Chemical and Environmental Hazards (2005-2010), member of UK Committee on Medical Effects of Air Pollutants (COMEAP) (2013-), member of EFSA Scientific Panel on Plant Health, Plant Protection Products and their Residues (PPR) (2003-2009) and vice-chair (2006-2009), EFSA Scientific Panel on Contaminants in the Food Chain (2009-2012).

Grant review committees

Member of MRC Advisory Board (2000-2009), French INRA Programme National de Recherches en Alimentation et Nutrition Humaine (2006-2010). Member of the External Advisory Group on Human Resources and Mobility (EU Framework 6 and 7) (2002-2008), member of MRC Industrial CASE Studentship Panel (2013-2017), member of the NC3Rs CRACK IT Review Panel for Targetting off-targets (2014). Regular reviewing of grants for MRC, BBSRC, CRUK, Wellcome Trust, FSA, WCRF, AICR, Australian NHMRC, INSERM (France) and others.

Other activities

Member (2001-) and chair (2008-2010) of Board of Trustees of Health and Environmental Sciences Institute (HESI); member (2008-) and chair (2015-2018) of ILSI Board of Trustees; member of ILSI Europe Board of Directors (2010-) and vice-president (2012-2016; 2017-2018)/president pro-tem (2016-17)/past president (2018-) of ILSI Europe. Member of the Scientific Advisory Boards of the FP6 projects QALIBRA (Quality of Life Balance) and BENERIS, FP7 project Predict IV (2008-2013), FP7 project ACROPOLIS (2011-2013), FP7 project HEROIC (2011-2014), chair of Scientific Advisory Board of EU Innovative Medicines Initiative (IMI) project Mechanism-Based Integrated Systems for the Prediction of Drug-Induced Liver Injury (2012-2016), member of Science Advisory Board, Swiss Centre for Applied Human Toxicology (SCAHT), Basel, Switzerland (2009-), member of External Advisory Committee, Michigan State University MSU Center for Research on Ingredient Safety (CRIS) (2015-), member of the Scientific Advisory Council of the Evidence-based Toxicology Collaboration (2016-), member of the Scientific Advisory Board of Cosmetics Europe LRSS (2018-), member of Scientific Advisory Board of the Agency for Science, Technology and Research, Singapore (A*STAR) (2018-date) and member of Scientific Advisory Board of Owlstone Medical (2018-date).

Editorial responsibilities

Joint editor-in-chief of Food and Chemical Toxicology (2004-2010); emeritus editor (2011-)
Editorial advisor to the Biochemical Journal (2001-2011)
Member of editorial board of Xenobiotica, Human and Experimental Toxicology, Toxicology Research and Current Opinion in Toxicology

Publications and presentations

Author of 250 peer reviewed papers (H-factor 80), 85 extended abstracts and proceedings, 90 book chapters and reviews, and editor of 10 books. >350 invited presentations at national and international conferences, approx. 50 submitted contributions as presenting author.

Recent publications

- Boobis A, Hoekstra J, Watzl B, Verhagen H, Schütte K and Vidry S (2013). Benefit risk assessment of foods (BRAFO): Qualitative and quantitative comparison of human health risks and benefits of foods and food components. *Food Chem Toxicol* **55**:659-675
- Meek ME, Boobis A, Cote I, Dellarco V, Fotakis G, Munn S, Seed J and Vickers C (2014). New developments in the evolution and application of the WHO/IPCS framework on mode of action/species concordance analysis. *J Appl Toxicol*. **34**: 1-18
- Pastoor TP, Bachman AN, Bell DR, Cohen SM, Dellarco M, Dewhurst IC, Doe JE, Doerrer NG, Embry MR, Hines RN, Moretto A, Phillips RD, Rowlands JC, Tanir JY, Wolf DC and Boobis AR (2104). A 21st century roadmap for human health risk assessment. *Crit Rev Toxicol*. **44** (Suppl 3):1-5
- Broom AJ, Ambroso J, Brunori G, Burns AK, Armitage JR, Francis I, Gandhi M, Peterson RA, Gant TW, Boobis AR and Lyon JJ (2016). *Toxicol Res*. **5**:136-150. Effects of mid-respiratory chain inhibition on mitochondrial function in vitro and in vivo
- Solomon KR, Wilks MF, Bachman A, Boobis A, Moretto A, Pastoor TP, Phillips R, Embry MR (2016). *Crit Rev Toxicol*. **46**:835-844. Problem formulation for risk assessment of combined exposures to chemicals and other stressors in humans.
- Moretto A, Bachman A, Boobis A, Solomon KR, Pastoor TP, Wilks MF, Embry MR (2017). *Crit Rev Toxicol*. **47**:85-97. A framework for cumulative risk assessment in the 21st century
- Boobis A, Brown P, Cronin MTD, Edwards J, Galli CL, Goodman J, Jacobs A, Kirkland D, Luijten M, Marsaux C, Martin M, Yang C, Hollnagel HM (2017). *Crit Rev Toxicol*. **47**:705-727. Origin of the TTC values for compounds that are genotoxic and/or carcinogenic and an approach for their re-evaluation.
- Boobis A, Cerniglia C, Chicoine A, Fattori V, Lipp M, Reuss R, Verger P, Tritscher A (2017). *Crit Rev Toxicol*. **47**:885-899. Characterizing chronic and acute health risks of residues of veterinary drugs in food: latest methodological developments by the joint FAO/WHO expert committee on food

additives.

Baker N, Boobis A, Burgoon L, Carney E, Currie R, Fritsche E, Knudsen T, Laffont M, Piersma AH, Poole A, Schneider S, Daston G (2018). *Birth Defects Res.* **110**: 502-518. Building a developmental toxicity ontology