

ANNUAL DECLARATION OF INTERESTS (ADoI)

(Please note that high quality of scientific expertise is by nature based on prior experience and that therefore having an interest does not necessarily mean having a conflict of interest)

Name: MUMFORD, John

Title: Prof

Profession: Academic

Current EFSA involvements: Member-GMO WG on Gene drive (GMO)

Nature of Activities	Period	Organisation	Subject matter
I. Financial investments			NO INTEREST
II. Managerial role	04/2015 - now	-Name: Quinlan Dacoma LLC, Dacoma, OK, UNITED STATES	I am a Director of Quinlan Dacoma LLC, a family farming business producing cereals, small grains and oil seeds in Oklahoma, USA. As a Director of the company I have no Employment by the company. Quinlan Dacoma is a small family farm growing conventional crops using good agricultural practice recommended by the USDA. No GM crops are grown. Impact on annual earnings: >0% and <5%
	06/2010 - now	-Name: East Malling Trust	I am a Trustee of the East Malling Trust, a charitable Trust which supports horticultural research on apples, pears, cherries and other top fruit at a research station owned by the Trust in Kent, UK. The Trust has close connections to the National Institute of Agricultural Botany which carries out research on the Trust facilities. Impact on annual earnings: 0%

	01/2010 - now	-Name: Agra-CEAS Consulting Ltd	<p>I am a Director of the company Agra-CEAS Consulting Ltd on behalf of Imperial College London, which is a part-owner of the company (with the Informa Group).</p> <p>I am an unpaid Director and I have no employment with the company.</p> <p>The company provides consultancy services in the agriculture and food sectors, rural development and agrienvironment for government and commercial clients, primarily in Europe. Some technical trends involving GM may have peripheral relevance in these sectors at times. Reports typically are descriptive and analytical, the company is not an advocate for particular policies or technologies.</p> <p>I have not been involved in any specific work with the company in relation to GM organisms.</p> <p>I am not aware of any company report specifically related to GM organisms since 2011, when a report was commissioned by DG SANCO.</p> <p>Impact on annual earnings: 0%</p>
(Close family member)	04/2015 - now	-Name: Quinlan Dacoma LLC, Dacoma, OK, UNITED STATES	<p>Close family member is a Director of Quinlan Dacoma LLC, a family farming business producing cereals, small grains and oil seeds in Oklahoma, USA</p> <p>Impact on annual earnings: >0% and <5%</p>
III. Member of a scientific advisory entity	11/2017 - now	-Name: Farm Africa (Farm Africa), Farm Africa, London, UNITED KINGDOM	<p>I am a member of the Programme Advisory Committee of Farm Africa, a charity that works to improve livelihoods for farmers in eastern Africa, through better agricultural techniques, better market access and greater social cohesion.</p> <p>Impact on annual earnings: 0%</p>
	09/2008 - now	-Name: Great Britain Non-Native Species Risk Analysis Panel	<p>I am chairman of this advisory body for English, Scottish and Welsh governments (administered by UK Department for Environment, Food and Rural Affairs DEFRA) on alien invasive species risks. GM organisms are specifically excluded from the remit of this body as they are dealt with by a parallel advisory committee.</p> <p>Impact on annual earnings: >0% and <5%</p>
IV. Employment	09/1979 - now	-Name: Imperial College London, Centre for Environmental Policy	<p>I am Professor of Natural Resource Management in a University department (Centre for Environmental Policy) dealing with environmental policy, including issues of energy policy, environmental security, environmental quality and environmental institutions and governance. I have roles in research, teaching and administration. My specific research deals with the environmental security theme, in relation to plant health, vector control, invasive species and fisheries assessment uncertainty. All research is for public, international and charitable institutions. Teaching is in Resource Management, Environmental Technology and Conservation Science; teaching accounts for about one third of my responsibilities.</p> <p>Impact on annual earnings: >25%</p>
(Close family member)	05/2008 - now	-Name: Imperial College London, Centre for Environmental Policy	<p>Close family member is employed within the Imperial College London Centre for Environmental Policy on research contracts from FAO on phytosanitary export quality horticultural standards in Africa and Latin America and from Gates Foundation related to objective guidance on risk, quality, training and logistical issues affecting GM insect research. All research is for public, international institutions.</p> <p>Impact on annual earnings: >25%</p>

V. Occasional consultancy	12/2017 - now	-Name: International Atomic Energy Agency (IAEA), International Atomic energy Agency, Vienna, AUSTRIA	Economic and risk planning for novel radiation sterility and bacterial induce incompatibility measures for area-wide mosquito control. Impact on annual earnings: >0% and <5%
VI. Research funding	08/2016 - now	-Name: Gates Foundation	<p>Target Malaria Project. Responsible to design and implement internal Risk Analysis processes relevant to transgenic mosquito testing and potential use in a research project for malaria control. Responsible to support academic partners and public health institutions involved in this work to meet relevant national and international requirements for safety to human health and the environment. Responsible to provide risk analysis input into design features of transgenic mosquitoes for possible development to ensure safety to human health and the environment. Responsible for liaison with the external risk assessment groups that provide oversight on environmental and health risks.</p> <p>This work does not involve any personal financial interest in the intellectual property related to a GMO. Gates Foundation has an open access policy to make project outputs generally available for the public good. Because the research is funded by a charitable foundation it does not cover full economic costs, 30% of full economic cost is publicly funded from Imperial College London.</p> <p>This research accounts for approximately 50% of the research funds managed by me during the past year; all other research projects are publicly funded and cover a broad range of insect control measures. The project covers 10% of my academic time, the rest of the research volume is from supervision of staff within the group.</p>
	11/2018 - 05/2021	-Name: Food and Agriculture Organisation FAO	<p>"Rolling Out Systems Approach Globally" is a FAO project supported from the WTO/STDF. It is developing and implementing tools and training to support the application of systems approaches to horticultural pest management to meet phytosanitary requirements, and to improve the negotiating position of less developed countries exporting to developed countries in determining what phytosanitary measures should be applied to meet a particular trade risk.</p> <p>This research accounts for about 5% of research funding in which I have been involved during the past year. It is 100% publicly funded. This research does not involve any GM technologies.</p>
	09/2015 - 09/2019	-Name: Horizon 2020	<p>EC Project EUCLID on EU China Integrated Pest Management measures, Work Package leader on end-user assessment of integrated pest management measures for horticultural production. This involves review of appropriate indicators for performance and presentation of field trial assessments.</p> <p>This research accounts for about 10% of the research funding I have managed in the past year. It is 100% publicly funded.</p>
	03/2015 - 02/2019	-Name: Horizon 2020	<p>EC Project EMPHASIS on effective management of pests and invasive species, Work Package leader on plant health challenges and evaluation. This has involved the development of an Analytical Framework to link performance of integrated pest management measures to specific indicators relevant to diverse stakeholders in Europe.</p> <p>This research accounts for about 25% of research funding which I have managed during the past year. It is 100% publicly funded.</p>

(Close family member)	09/2016 - now	-Name: Gates Foundation	<p>Close family member works on Target Malaria, a Gates Foundation project developing GM technologies for mosquito control, part-time on risk, biosafety, quality and training issues in small scale research facilities, and liaising with external bodies on these issues.</p> <p>The work is half-time, in parallel with other research projects. The other research projects deal with insect control in agriculture and phytosanitary measures in trade.</p> <p>This work does not involve any personal financial interest in the intellectual property related to a GMO. Gates Foundation has an open access policy to make project outputs generally available for the public good. Because the research is funded by a charitable foundation it does not cover full economic costs, 30% of full economic cost is publicly funded from Imperial College London.</p>
(Close family member)	11/2018 - 05/2021	-Name: Food and Agriculture Organisation FAO	<p>Close family member leads "Rolling out Systems Approach Globally" project funded by FAO (from WTO/STDF). The project is developing and implementing tools and training to support the use of systems approaches to meet phytosanitary requirements on horticultural products in international trade. The work manages one full-time equivalent position, accounting for two thirds of the research funds under control.</p> <p>This research does not involve GM technologies. It is 100% publicly funded.</p>
VII. Intellectual property rights			NO INTEREST
VIII. Other memberships or affiliations			NO INTEREST
IX. Other relevant interest			NO INTEREST

I hereby declare that I have read both the Guidance Document on Declarations of Interests and the Procedure for identifying and handling potential conflict of interests and that the above Declaration of Interests is complete.

Date: 21/01/2019 Signature: SIGNED