

**COMMITTEES ON CARCINOGENICITY AND MUTAGENICITY OF
CHEMICALS IN FOOD, CONSUMER PRODUCTS AND THE
ENVIRONMENT (COC and COM)**

**Update on the FSA computational toxicology fellowship and LiDO PhD
studentship – for information.**

Introduction

1. The FSA and COT have been reviewing New Approach Methodologies (NAMs) to scope the best scientific methodologies available to be used in risk assessment of chemicals in foods and the environment and understand how these can be incorporated in a regulatory context with validation approaches.
2. The FSA have recruited a computational toxicology fellow at the University of Birmingham and a PhD Student (London Interdisciplinary Doctoral Program (LiDo) TOX AI) at King's College London. The aims of the projects are to develop in silico tools (i.e. artificial intelligence machine learning) for toxicological prediction of chemicals in food, through case studies and proof of concept studies. The fellow and student will also work alongside other government departments to understand how NAMs will improve indicative levels of safety in chemical risk assessment.
3. In addition, these new partnerships will help with networking, research collaboration, training opportunities and further our knowledge in this area. The fellowship and studentship also compliment the work set out in the UK Roadmap towards using new approach methodologies in chemical risk assessment.
4. Both partnerships have started within the last 4 to 6 months and are already making progress on some initial reviews. We hope that they will be able to present some of their work to Members in due course.

Secretariat
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