**UK Register of Toxicologists**

New Applications – Competencies form

As an affiliated national register, UKRT complies with the [Eurotox guidance on ERT registration](https://www.eurotox.com/ert-requirements/), which requires demonstration of competence in a number of core and specialist topic areas of toxicology. Typically, this will be in the form of formal academic training (approximately 3-10 days on each topic) and/or examination; though, it is possible to evidence competence through attendance of appropriate courses, professional experience and written work.  Applicants are advised to review the Eurotox guidance on ERT registration before completing this section of the application. Learning objectives as well as the expected level of knowledge, skills and competencies for core and specialised topics are described in Annex 1 of the Eurotox Guidelines for Registration.

For each topic in Section 1 and Section 2 of this form, please provide a concise justification of your competence, under the appropriate subheadings of Formal Training, Professional Experience, and/or Written Work. Please upload supporting evidence (e.g. degree grade card, training course certificate of attendance, etc) in the *Upload Documents* section of the UKRT online application form, **ensuring that each file uploaded is saved with a suitable file name** (e.g. “MSc Toxicology grade card.pdf”).

Examples of how you could provide evidence for three core topics are provided on Page 2.

Uploaded reports and assessments used as supporting evidence should be suitable for submission to regulatory agencies or for regulatory decision-making. Internal documents should contain evidence of authorship, such as your name and/or signature on the reports. If this is not possible, please also provide a statement signed by someone senior at your organisation to confirm your contribution to these documents. Publications should have appeared in peer-reviewed scientific journals. It is regarded as essential that these reports and papers demonstrate a high standard of critical ability and communication skills.

It is preferable if evidence of competence is provided for all 14 Core Topics (plus at least two of the Specialist Topics). An absence of adequate evidence of competence for some Core Topics may, at the UKRT Panel’s discretion, be judged acceptable if there is strong evidence of competence for the majority of the Core Topics.

## Examples

|  |  |  |
| --- | --- | --- |
|  | ***Description of how competence has been acquired and demonstrated*** | ***File names of uploaded supporting documents*** |
| ***B1. Principles of Toxicology*** |
| *Formal training and qualifications* | *This topic was covered in detail as part of my MSc in Toxicology.* | * *MSc Toxicology grade card*
* *MSc Toxicology course overview and syllabus*
 |
| *Professional experience* |  |  |
| *Written work* |  |  |
| **B7. Toxicology of Environmental Pollutants** |
| *Formal training and qualifications* | *I have no formal academic training in ‘toxicology of environmental pollutants’; however, knowledge of this topic was an important part of my studying to successfully obtain DABT certification in 2012* | * *DABT certificate 2012*
 |
| *Professional experience* |  |  |
| *Written work* |  |  |
| ***B13. Risk Assessment of Chemicals*** |
| *Formal training* *and qualifications* | *I have no formal academic training in ‘risk assessment of chemicals’. However, I have attended a number of training courses, webinars and Continuing Education Programme courses on chemical risk assessment, including: A, B, C, D. I have uploaded certificates of attendance as supporting evidence.* | * *Certificate of attendance – May 2021 CEP on risk assessment of pesticides*
* *Certificate of attendance – January 2020 Webinar on risk assessment of food contaminants*
 |
| *Professional experience* | *I have worked at [Company] for 11 years where my role requires me to conduct risk assessments of chemicals in drinking water. I am a recognised expert in this area and was invited to speak on this topic at the British Toxicology Society Annual Congress in 2022. I have uploaded the congress programme as supporting evidence. My talk is on page 5 of the programme.* | * *BTS annual congress 2023 programme*
 |
| *Written work* | *I have co-authored two published papers linked to ‘risk assessment of chemicals’: Smith et al 2019 and Smith et al 2021 in my list of publications. I have also written over 50 unpublished chemical risk assessment reports on drinking water contaminants and have uploaded copies of three of them as additional supporting evidence.* | * *Smith et al 2019*
* *Smith et al 2021*
* *Authored report – Risk Assessment 1*
* *Authored report – Risk Assessment 2*
* *Authored report – Risk Assessment 3*
 |

## Section 1 – Core topics

|  |  |  |
| --- | --- | --- |
|  | **Description of how competence has been acquired and demonstrated** | **File names of uploaded supporting documents** |
| **B1. Principles of Toxicology** |
| Formal training and qualifications |  |  |
| Professional experience |  |  |
| Written work |  |  |
| **B2. Laboratory Animal Science incl. 3 R** |
| Formal training and qualifications |  |  |
| Professional experience |  |  |
| Written work |  |  |
| **B3. Experimental Design and Statistics** |
| Formal training and qualifications |  |  |
| Professional experience |  |  |
| Written work |  |  |
| **B4. Molecular and Cellular Toxicology** |
| Formal training and qualifications |  |  |
| Professional experience |  |  |
| Written work |  |  |
| **B5. Absorption, Distribution, Metabolism and Excretion** |
| Formal training and qualifications |  |  |
| Professional experience |  |  |
| Written work |  |  |
| **B6. Organ Toxicology and Histopathology** |
| Formal training and qualifications |  |  |
| Professional experience |  |  |
| Written work |  |  |
| **B7. Toxicology of Environmental Pollutants** |
| Formal training and qualifications |  |  |
| Professional experience |  |  |
| Written work |  |  |
| **B8. Exposure Assessment** |
| Formal training and qualifications |  |  |
| Professional experience |  |  |
| Written work |  |  |
| **B9. Epidemiology** |
| Formal training and qualifications |  |  |
| Professional experience |  |  |
| Written work |  |  |
| **B10. Occupational Toxicology** |
| Formal training and qualifications |  |  |
| Professional experience |  |  |
| Written work |  |  |
| **B11. Genotoxicity and Carcinogenicity** |
| Formal training and qualifications |  |  |
| Professional experience |  |  |
| Written work |  |  |
| **B12. Reproductive and Developmental Toxicology** |
| Formal training and qualifications |  |  |
| Professional experience |  |  |
| Written work |  |  |
| **B13. Risk Assessment of Chemicals** |
| Formal training and qualifications |  |  |
| Professional experience |  |  |
| Written work |  |  |
| **B14. Clinical and Forensic Toxicology** |
| Formal training and qualifications |  |  |
| Professional experience |  |  |
| Written work |  |  |

## Section 2 – Specialist topics

It is expected that toxicologists will specialise in certain areas and obtain specific knowledge, skills and competencies in a wider field. Candidates should demonstrate knowledge in at least two specialist topic areas. Examples of specialist topics areas are listed below, but the list is not exhaustive and you may select other specialisms.

B15. Drug Safety Assessment

B16. Regulatory Toxicology

B17. Ecotoxicology

B18. Nanomaterials

B19. In vitro Testing Methods

B20. In silico Toxicology

B21. Immunotoxicology

B22. Neurotoxicology

B23. Analytical Methods in Toxicology

Please provide evidence of competence for two or three specialist topic areas:

|  |  |  |
| --- | --- | --- |
|  | **Description of how competence has been acquired and is demonstrated** | **File names of uploaded supporting documents** |
| **Specialist topic 1:**  |
| Formal training and qualifications |  |  |
| Professional experience |  |  |
| Written work |  |  |
| **Specialist topic 2:**  |
| Formal training and qualifications |  |  |
| Professional experience |  |  |
| Written work |  |  |
| **Specialist topic 3:**  |
| Formal training and qualifications |  |  |
| Professional experience |  |  |
| Written work |  |  |