**Regulatory Authority applications as authentic assessments in pharmacology programmes**

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**Introduction**. Pharmacology graduates go onto diverse range of careers, many of which will require them to complete reports, forms or briefing notes for Professional, Statutory and Regulatory Bodies. There activities make ideal authentic assessments within Pharmacology degree programmes.

**Aims**. To adapt pharmaceutical industry and Statutory/Regulatory Body tasks and activities to create experiential learning activities and authentic assessments for learners.

**Methods and Results**. The School of Biomedical Sciences offers a core Level 5 Advanced Concepts in Drug Development, and Level 6 and 7 (Postgraduate) Animal modules in Drug Discovery and Development modules (courses). Content is delivered by screencasts which is then applied in experiential and work-based learning activities and workshops. The assessments designed to enable learners to integrate and apply their knowledge and understanding, and to develop higher order competencies. Level 5 learners create a report for the UK Medicines and Healthcare Products Regulatory Agency, comparing two drugs for the treatment of a disease. They are required to provide an introduction to the disease, the main body comprising of an evidence-informed SWOT analysis of both drugs (including efficacy, side effects, clinical utilisation), and concluding with recommendations informed by the evidence they have discovered. In compiling this information, they search the IUPHAR/BPS Guide to Pharmacology and databases of Regulatory Bodies including the National Institute for Health and Care Excellence, MHRA, European Medicines Agency and the Federal Drug Administration giving them experience of key databases/information sources. At Levels 6 and 7, learners undertake experimental studies investigating the potential of invertebrates (C Elegans) as an alternative to rodents in the ICH S7A Safety Pharmacology protocol, the assessment a Briefing Note, including a Standard Operating Procedure, to a Regulatory Body. The end of module assessment, requiring them to integrate and apply knowledge from across the module, is completion of a UK Animal (Sci Proc) Act Project Licence application.

**Discussion.** Incorporation of pharmaceutical industry and Statutory/Regulatory Body tasks and activities as assessments within Pharmacology undergraduate and Taught Postgraduate programmes, not only makes these assessments authentic, but they are also ideal for assessing high order understanding and competencies. They are also a vehicle for learners to showcase their work-based learning experiences and competencies to potential employers.