

Subject specific learning outcomes

Specific skills and knowledge appropriate to the degree title

In addition to the core learning outcomes specified in the Degree Accreditation Handbook, specific outcomes have been developed by Learned Societies across the key areas of the biosciences.

Degrees using 'Pharmacology' in their title:

The **British Pharmacological Society** suggests that the graduates of a pharmacology degree programme should be able to:

- construct and analyse drug concentration/dose-response relationships using living tissues or model systems with knowledge of the pharmacologist's role in developing *in vitro* and *in vivo* models in which drug action can be tested
- evaluate the action of drugs in whole organisms, living tissues, and/or model systems using a variety of pharmacological techniques (e.g. bioassays, receptor binding, receptor cloning, recombinant proteins for therapy, animal models of disease, genetic manipulation of cells and animals and their uses)
- apply principles of pharmacokinetics using living tissues, model systems or simulations (e.g. pharmacokinetic modelling software) and demonstrate numeracy in pharmacological calculations (e.g. drug concentration, loading dose, therapeutic index)
- explain how advances in pharmacology (e.g. small molecular inhibitors, antisense therapy, biopharmaceuticals, pharmacogenomics, novel drug delivery systems) can contribute to improving human and animal health including the development of personalised therapies