



LAST-Ireland
Core No 32 11/9/2025

Category; A,B,C,D Species : Rodent

Cert Number:10112326

This is to certify that

Indranil Ghosh

attended a course and passed an assessment of the course, based on the
**EU EWG guidelines contained in the framework document, which fulfill the
requirements under article 23 and 24 of directive 2010/63 EU for the
categories of persons stated below.#

Module	Title of Core Module
1	National Legislation (Irish SI 543/12)
2	Ethics, Animal welfare and the 3 Rs (level 1)
3.1	Basic and Appropriate Biology (species noted on certificate)
4	Animal care, health and management (species noted on certificate)
5	Recognition of pain, suffering and distress (species noted on certificate)
6.1	Humane methods of euthanasia (theory)
7	Minimally invasive procedures without anaesthesia.
9	Ethics, Animal welfare and the 3 Rs (level 2)
10	Design of procedures and projects (level 1)
11	Design of procedures and projects (level 2)
12	Severity assestment framework
3.2*	Basic and appropriate biology (species noted on certificate)
8 *	Minimally invasive procedures without anaesthesia
6.2 *	Humane methods of euthanasia
20	Anaesthesia for minor procedures
22	Principles of surgery
50	Introduction to local environment

** extract from National Competent Authorities for the implementation of Directive 2010/63/EU on the protection of animals used for scientific purposes A working document on the development of a common education and training framework to fulfill the requirements under Articles 23 and 24 - Replacing consensus document I of 22-23 March 2012 – 18/19 Sept 2013

* These units are not taught in the module but are taught and demonstrated when applicable in each individual institute.

Signed



Peter F. Nowlan (Course organiser)

Contact information:

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Scan to verify

#Category A: Persons carrying out procedures on animals, Category B: Persons designing procedures and projects
Category C: Persons taking care of animals, Category D: persons performing euthanasia