



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

** 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

Signed
16 Nov 2025



Peter F. Nowlan (Course organiser)

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Scan to verify