Advanced Cell Biology and Biotechnology

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WHO IS A BACHELOR STUDENT ... (DUBLIN DESCRIPTORS)

A student that has demonstrated *knowledge and understanding* supported by *advanced textbooks*; A student that can apply its knowledge and understanding in a manner that indicates a *professional approach;* A students that has competences typically demonstrated through devising and *sustaining arguments and solving problems*;

A student that has the ability to gather and interpret relevant data, to inform judgments that include reflection on relevant social, scientific or ethical issues;

A student that can communicate information, ideas, problems and solutions to both specialist and nonspecialist audiences; A student that has developed those *learning skills* that are necessary to continue to undertake *further study with a high degree of autonomy.*

WHO IS A MASTER STUDENT ... (DUBLIN DESCRIPTORS)

A student that has demonstrated knowledge and understanding that is founded upon and extends and/or enhances that typically associated with the first cycle, A student that has demonstrated knowledge and understanding that provides a basis or opportunity for originality in developing and/or applying ideas, often within a research context;

A student that can apply their knowledge and understanding, and problem solving abilities in *new or unfamiliar environments* within broader (or *multidisciplinary*) contexts

A student that has the ability to *integrate* knowledge and *handle complexity*, and formulate judgments *with incomplete or limited information*, but that include reflecting on social and ethical *responsibilities* linked to the application of their knowledge and judgments;

A student that can *communicate* its *conclusions,* and the knowledge and *rationale underpinning these*, to specialist and non-specialist audiences *clearly and unambiguously*;

A student that has the *learning skills* to allow them to *continue to study* in a manner that may be largely *selfdirected or autonomous*.

WHO IS A PHD STUDENT ...

A student that has demonstrated demonstrated a systematic understanding of a field of study and mastery of the skills and methods of research associated with that field;

A student that has demonstrated the ability to conceive, design, implement and adapt a substantial process of research with scholarly integrity A student that has made a contribution through *original research* that extends the frontier of knowledge by developing a *substantial body of work*, some of which merits *national or international refereed publication*;

A student that is capable of *critical analysis*, evaluation and synthesis of *new and complex*

ideas;

A student that can *communicate* with their *peers*, the larger scholarly community and with

society in general about their *areas of expertise*;

A student that is able to *promote*, within academic and professional contexts, technological, social or cultural *advancement in a knowledge based society*

PRESENT VUE

















NOW A DAYS

NEXT FUTURE....















EXPERIMENTAL DESIGN



EXPERIMENTAL DESIGN

Determine the scientific question

Define the experimental paradigm

Select biological samples and reagents

Define controls

Timeline and set up of the experiment

Risk assessment (ethical responsability)



CELL BIOLOGY 1



Determine the scientific question
Define the experimental paradigm
Select biological samples and reagents
Define controls

Timeline and set up of the experiment
Risk assessment (ethical responsability)

29 Nov.

5 Oct.

Part 2 Student journal club (Nov. 29, Dec 13) • Paper discussion

