



## TR060: Biological and Biomedical Sciences Foundation Scholarship Examination 2023-24 Information for Scholarship Candidates

### **Foundation Scholarship as described in the College Calendar:**

“The objective of the foundation scholarship examination is to identify students who, at a level of evaluation appropriate to the Senior Freshman year, can consistently demonstrate exceptional knowledge and understanding of their subjects. The examination requires candidates to demonstrate: skill in synthesising and integrating knowledge across the full range of the set examination materials; rigorous and informed critical thought; and, in appropriate disciplines, a highly-developed ability to solve problems and apply knowledge. “

The objective of the Scholarship examination in TR060 is to identify and reward undergraduate students with outstanding knowledge and ability in the degree programme. Such students should demonstrate an understanding and knowledge of their chosen field with some degree of originality and flair, and not simply a high level of performance in basic coursework.

The Scholarship examination is taken by Senior Freshman students and is based on the designated course work presented in the Junior Freshman and the first semester of the Senior Freshman years. In addition, students are examined on a designated Special Topic.

An application form and Foundation Scholarship regulations will be available at <https://www.tcd.ie/academicregistry/exams/scholarship/>

Recommendations for Scholarship will be based on the achievement of an overall first-class result with first class marks in at least two of the three papers examined and a mark of 65% or over in each paper.

### **Important Scholarship Dates:**

- Deadline for online applications: 18th October - 1 November 2023
- Submission of online withdrawal forms: 6th November – 10 December 2023
- Foundation Scholarship Examinations: 8th – 13th January 2024 inclusive (some exams may be held in the preceding week.
- Announcement of Election to Scholarship: Trinity Monday 22nd April 2024



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## TR060 Biological & Biomedical Sciences

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The Foundation Scholarship examination in the Biological and Biomedical Sciences seeks to identify exceptional students with an ability to demonstrate a superior appreciation of both the course material and of the selected theme, and an ability to synthesise knowledge.

Candidates are examined in the following core biology modules:

BYU22201 (Senior Freshman: From Molecules to Cells); BYU11102 (Junior Freshman: From Organisms to Ecosystems) and on additional general material based on a designated selected theme for which some special reading will be set as an introduction.

Candidates will sit three papers, each of three hours duration, with students answering three questions from six on each paper.

1. General paper on a selected theme (40% final mark)
2. From Molecules to Cells (BYU22201) (30% final mark)
3. From Organisms to Ecosystems (BYU11102) (30% final mark)

**Paper 1:** The general paper will be set on a selected theme for which special reading is set as an introduction.

**Paper 2:** will be based on material covered in Senior Freshman module BYU22201 – From Molecules to Cells.

**Paper 3:** will be based on material covered in Junior Freshman module BYU11102 – From Organisms to Ecosystems.

The selected theme for 2023-24 will be...

'Development of gene therapies for neurodegenerative disorders in the era of precision medicine'

The reading list and further information will be published on the BYU22201 Blackboard page under a separate Foundation Scholarship Folder.

**Science Foundation Scholarship 2023-24**