BC 210 January - April 3:0

Molecular Basis of Ageing aanf Regeneration

Instructor

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Teaching Assistant

Email:

Department: Biochemistry

Course Time:

Lecture venue:

Detailed Course Page:

Announcements

Brief description of the course

It is an advanced course requiring understanding of Molecular Biology, Cellular Biology and Biochemistry.

Undergrads and Masters students have been enrolling for the course and doing well.

Prerequisites

++As above

Syllabus

Mechanisms of Ageing and Regeneration;

Model systems for studying Ageing and Regeneration; Role of cellular processes such as transcription, translation, posttranslational modifications;Signalling mechanisms; Cellular Senescence; Genetic basis of Ageing and longevity; Ageing and Diseases; Organ Senescence; Obesity/Diabetes/Cardiovascular diseases/Muscle degeneration; Interventions to delay ageing and/or enhance life span

Course outcomes

Students will attain

1. Understanding of how ageing occurs and what is the evolutionary significance of ageing.

2. Understand the mechanistic basis of regeneration and the evolutionary significance of it.

Grading policy

50% - 3 Assignments combined (Latest Research article discussions)

50% - Final

Assignments

Resources