

Developmental and Regenerative Biology

(Code: 4863, 1st – 2nd year, 4 units)

(Course ID: GS-c4863-S)

1. Instructors

Name	Position	Department	Contact Information
NISHINA Hiroshi	Chief Instructor / Professor	Department of Developmental and Regenerative Biology	nishina.dbio@mri.tmd.ac.jp
KOFUJI Satoshi	Junior Associate Professor	Department of Developmental and Regenerative Biology	kofuji.dbio@mri.tmd.ac.jp
OKAMOTO Yoshimi	Assistant Professor	Department of Developmental and Regenerative Biology	okamoto.dbio@mri.tmd.ac.jp

2. Classroom/Lab Lecture Location

Check the venues announced at the beginning of the academic year.

3. Course Purpose and Outline

This course aims to facilitate acquisition of concepts and methods in cutting-edge biology and medicine.

4. Course Objectives

The objective of this course is for students to be able to discuss future developments by applying cutting-edge concepts and techniques to their research.

5. Format

The class size will be kept small, as either one-on-one or seminar format. Guidance for experiments will be provided individually.

6. Course Details

You will learn about mechanisms of signal transduction during “mouse and fish” development through lectures and small group discussions. Your goal is to obtain sufficient knowledge in this field to enable you to work on your research projects independently.

“Developmental and Regenerative Biology” seminar: Every Thursday 10:00 AM – 12:00 PM

Check the schedule announced at the beginning of the academic year for journal clubs, lectures, special lectures and seminars.

7. Assessment

An overall assessment comprising of class participation (knowledge and understanding of the specialty field, content of presentations and Q&A) (50%) and involvement in research (50%) will be made.

8. Prerequisite Reading

Please gather your thoughts on what interests you, or what you find strange in life phenomena.

9. Reference Materials

Molecular Cell Biology 8th edition by Lodish et al.

10. Language Used

All classes are conducted in English.

11. Office Hours

Mon – Fri: 9:00 AM – 17:00 PM

Contact: NISHINA Hiroshi, Department of Developmental and Regenerative Biology

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Please contact the instructor regarding questions or consultations.

12. Note(s) to Students

None