Dear Students,

Feb. 3, 2010

We, Graduate School of Life Sciences, Tohoku University, will launch the program ‘The International Course for Life Sciences’ starting from the spring semester, 2010. With this English program, you will be able to obtain a Master degree (normally 2 years) and/or a Ph.D degree (normally 5 years).

The program comprises the following parts:

1. English classes (Basic, Specialized and Associated courses)
2. Seminars
3. Project Experiment

Ahead of the program, we will offer you the ‘Microbiology course’ with the following schedule. If you are interested in this course, please register to the Student office of our Institute by e-mail (address: lif-kyom@bureau.tohoku.ac.jp).

Dates: March 1st ~March 12th, 2010
Lecturers: Professor Simon Silver and Dr. Le Trieu Phung (Department of Microbiology and Immunology, University of Illinois College of Medicine)
Credit: 2

Tentative Course Schedule:
1. Monday, 1 March, 10:00-11:30 Chapter 2, The Microbial World
2. Monday, 1 March, 13:00-14:30 Chapter 14, Microbial Evolution and Systematics; and The First Cell: the Origin of Life
3. Tuesday, 2 March, 10:30-11:30 Chapter 4, Cell structure and function
4. Tuesday, 2 March, 13:00-14:30 Chapter 17 and Chapter 8 Archaea
5. Thursday, 4 March, 10:30-11:30 Chapters 10 and 19, Viruses and Virology
6. Thursday, 4 March, 13:00-14:30 Chapter 6, Microbial growth
7. Friday, 5 March 10:00-11:30 Chapter 11, Principles of bacterial genetics
8. Friday, 5 March, 13:00-14:30 Chapter 9, Regulation of gene expression
9. Tuesday, 9 March, 10:30-11:30 A bacterial view of the Periodic Table: good elements and bad. Seminar
10. Tuesday, 9 March, 13:00-14:30 Chapter 12, Genetic engineering
11. Wednesday, 10 March, 10:30-11:30 Chapter 13, Microbial genomics
12. Wednesday, 10 March, 13:00-14:30 Chapters 24 and 25, Bioremediation, Symbiosis and Biotechnology
13. Thursday, 11 March, 10:30-11:30 Chapter 15, Bacteria: the Proteobacteria
14. Thursday, 11 March, 13:00-14:30 Chapter 16, Gram positive (and other bacteria)
15. Friday, 12 March, 10:30-11:30 Chapter 23, Microbial ecosystems
16. Friday, 12 March, 13:00-14:30 Human Genomics: who are we and where do we come from?
17. Quiz