

TIGP Molecular Medicine Program-Immunology Syllabus

Time: Wednesday, 10:10-12:00 AM, Feb. 15~June 7, 2017

Credits: 2 credits (electives)

Textbook: Janeway's Immunobiology, 9th edition

Classroom: 8F classroom, Institute of BioMedical Sciences, Academia Sinica

Coordinator: Dr. Mi-Hua Tao

This class is designed to provide students with a basic understanding of immunology. It is especially appropriate for those students who have not yet taken an immunology course or for those students who wish to reinforce their basic immunological training.

| | Date | Subject | Professor | Contact |
|----|------|-----------------------------------------------------------|-----------------------------|----------------------------------------------|
| 1 | 2/15 | Course Introduction | Course organizer | 2789-9151 bmtao@ibms.sinica.edu.tw |
| 2 | 2/22 | Basic Concepts in Immunology – Ch 1 | Dr. Nien-Jung Chen 陳念榮 | 2826-7106 njchen@ym.edu.tw |
| 3 | 3/1 | Innate Immunity – Ch 2 & 3 | Dr. Chia-Lin Hsu 徐嘉琳 | 2826-7000 # 7113 chialin.hsu@ym.edu.tw |
| 4 | 3/8 | Antigen recognition by B-cell and T-cell receptors – Ch 4 | Dr. Ivan Dzhagalov 葛一樊 | 2826-7000 # 7231 ivan.dzhagalov@ym.edu.tw |
| 5 | 3/15 | The Generation of Lymphocyte Antigen Receptors – Ch 5 | Dr. Steve Roffler | 2652-3079 sroff@ibms.sinica.edu.tw |
| 6 | 3/22 | Antigen Presentation to T Lymphocytes – Ch 6 | Dr. Ivan Dzhagalov 葛一樊 | 2826-7000 # 7231 ivan.dzhagalov@ym.edu.tw |
| 7 | 3/29 | Signaling through Immune System Receptors – Ch 7 | Dr. Ming-Zong Lai 賴明宗 | 2789-9236 mblai@gate.sinica.edu.tw |
| 8 | 4/5 | The Development and Survival of Lymphocytes – Ch 8 | Dr. Kuo-I Lin 林國儀 | 2787-1253 kuoilin@gate.sinica.edu.tw |
| | 4/12 | Mid-term Exam | Course organizer | |
| 9 | 4/19 | T-cell Mediated Immunity – Ch 9 | Dr. Chuen-Mim Leu 呂春敏 | 2826-7296 cmleu@ym.edu.tw |
| 10 | 4/26 | The Humoral Immune Response – Ch 10 | Dr. Steve Roffler | 2652-3079 sroff@ibms.sinica.edu.tw |
| 11 | 5/3 | Dynamics of Adoptive Immunity – Ch 11 | Dr. Nan-Shih Liao 廖南詩 | 2789-9231 mbfelix@imb.sinica.edu.tw |
| 12 | 5/10 | Allergy and Hypersensitivity – Ch 14 | Dr. Ya-Jen Chang 張雅貞 | 2652-3003 yajchang@ibms.sinica.edu.tw |
| 13 | 5/17 | Failures of Host Defense Mechanisms – Ch 13 | Dr. Yi-Ling Lin 林宜玲 | 2652-3902 yll@ibms.sinica.edu.tw |
| 14 | 5/24 | Autoimmunity and Transplantation – Ch 15 | Dr. Huey-Kang Sytwu 司徒惠康 | 8792-3100#18539 sytwu@ndmctsg.edu.tw |
| 15 | 5/31 | The mucosal immune system – Ch 12 | Dr. Jr-Wen Shui 徐志文 | 2652-3070 jshui@ibms.sinica.edu.tw |
| 16 | 6/7 | Manipulation of the Immune Response/ Cytokines – Ch 16 | Dr. Mi-Hua Tao 陶秘華 | 2789-9151 bmtao@ibms.sinica.edu.tw |
| | 6/14 | Final Exam | Course organizer | |