

<b>Special Lecture on Regional Sustainability Science II</b>			
<b>■ ■ Lecturer(s)</b>			
Atsushi Toyoda, Teruo Miyazaki (Tokyo Med. Univ.), Keizo Takao (Univ. Toyama)			
<b>■ ■ Code</b>	KZ4009	<b>■ ■ Numbering</b>	KZ-INS-312-AIM
<b>■ ■ Course overview</b>			
This course is 2 days program. 1st day: Lectures on taurine deficiency and disorders; 2nd day: Lectures on mouse models for psychiatric disorders.			
<b>■ ■ Keyword(s)</b>			
Taurine deficiency and disorders, Mice, Behavior, Psychiatric disorders			
<b>■ ■ Learning objectives</b>			
Students can obtain the latest knowledge regarding taurine treatment and mouse behavior throughout the lecture and discussion.			
<b>■ ■ Lesson plans &amp; homework</b>			
1. Introduction on the course (AT) 2. What is taurine? (TM) 3. Taurine deficiency and disorders (TM) 4. Beneficial effects of taurine treatment (TM) 5. Behavioral analysis of genetically engineered mice. (KT) 6. Mouse models for psychiatric disorders. (KT) 7. Are mice good models for understanding human disease? (KT) 8. Discussion & report (AT) [Homework] Texts and/or references will be shared using MS TEAMS. Self-learning (approximately 90 minutes/class) will be required for preparation. Students are encouraged to learn more about animal/human growth and development by reading academic papers and reference books.			
<b>■ ■ Notes</b>			
Contact: AIMS Steering Committee (Dr. Nobuo SAKAGAMI) is anytime available through MS TEAMS.			
<b>■ ■ On-line / face-to-face / blended</b>			
Blended (available for on-line AIMS students)			
<b>■ ■ Device requirements</b>			
Laptop PC			
<b>■ ■ Evaluation criteria</b>			
<b>A+ (90-100):</b>	able to suggest an action plan for sustainable development of human society		
<b>A (80-89):</b>	able to assess the process for sustainable development of human society		
<b>B (70-79):</b>	able to discuss what is sustainable development of human society		
<b>C (60-69):</b>	obtain basic knowledge on sustainable development of human society		
<b>D (0-59):</b>	unable to understand sustainable development of human society		
<b>■ ■ Grading</b>			

Learning results are evaluated by a report on the assigned subjects (not evaluated by final examination).			
<b>▣▣ Textbook(s)</b>			
ISBN: ; Title: ; Author(s): ; Publisher: ; Year:			
<b>▣▣ Reference book(s)</b>			
ISBN: ; Title: ; Author(s): ; Publisher: ; Year:			
<b>▣▣ Diploma policy</b>			
Large perspective of the world		important	
Knowledge and skills in a specific field		very important	
Problem-solving ability		important	
Communication skill		slightly important	
Practical English skill		slightly important	
Attitude as a conscious member of society		slightly important	
Focus on regional revitalization		slightly important	
<b>▣▣ Active learning</b>	-	<b>▣▣ PBL</b>	-