

# Global Initiative for Sports Neuroscience 2017

"For Development of Exercise Prescription Enhancing Cognitive Functions"

Feb. 27 2017  
09:00-16:20  
216 Room, 5C Bldg.  
University of Tsukuba

Time	Speakers & Titles	Chairs
09:00-9:20	<b>Opening Remarks</b> Kyosuke Nagata, Ph.D. President of the University of Tsukuba Yasuo Miake, Ph.D. Vice President of the University of Tsukuba	Hideaki Soya Michael A. Yassa
09:20-09:40	<b>Video Lecture</b> Brain resilience through physical activity Bruce S. McEwen, Ph.D. The Rockefeller University	Hideaki Soya
09:40-10:30	<b>Keynote Lecture I</b> Exercise and Neuroscience: Exercise Builds Brain Health Carl W. Cotman, Ph.D. University of California, Irvine	Takeshi Nishiyasu
10:30-10:50	Coffee Break	
10:50-12:00	<b>Global Collaboration I. University of California, Irvine</b> Exercise Medicine & Sports Sciences Initiative of UCI James W. Hicks, Ph.D. University of California, Irvine Mechanisms of episodic memory and modifiable biomarkers for age related cognitive changes Michael A. Yassa, Ph.D. University of California, Irvine · University of Tsukuba Acute mild exercise improves mnemonic discrimination in young adults Kazuya Suwabe, M.S. University of Tsukuba Acute mild exercise improves mnemonic discrimination performance by increased pattern separation-related DG/CA3 connectivity in young adults. Kyeongho Byun, Ph.D. University of Tsukuba · University of California, Irvine	Yu-Fan Liu Jangsoo Yook
12:00-13:00	Lunch & Poster Session at the Taibachi Hall	
13:00-13:50	<b>Keynote Lecture II</b> Brain glucose handling and insulin peptides Ignacio Torres Aleman, Ph.D. The Cajal Institute	Hideaki Soya
13:50-14:10	<b>Global Collaboration II. The Cajal Institute</b> Dopamine D2 receptor-mediated astrocytic glycogenolysis in the exercising hippocampus Takashi Matsui, Ph.D. University of Tsukuba · The Cajal Institute	Masahiro Okamoto
14:10-14:30	Coffee Break	
14:30-14:50	<b>Global Collaboration III. The Rockefeller University</b> Importance of glutamate allostasis for the beneficial exercise effects upon depression and memory Masahiro Okamoto, Ph.D. University of Tsukuba · The Rockefeller University	Takashi Matui
14:50-15:50	<b>Future Collaborations</b> The cognitive and neural effects of a 20-week dance-based exercise program on elderly Africans at high risk for Alzheimer's disease Mark A. Gluck, Ph.D. Rutgers University-Newark Neuroprotective potential of physical exercise in Alzheimer disease models: role of adult neurogenesis María Llorens-Martín, Ph.D. Universidad Autónoma de Madrid Synergistic enhancing effects of mild exercise with astaxanthin supplements on hippocampus-based cognitive functions Jangsoo Yook, Ph.D. University of Tsukuba	Michael A. Yassa Kyeongho Byun
15:50-16:20	<b>Future Prospects in Sports Neuroscience</b> Study on potential exercise regimen that enhances endurance, cognition, and motivation Hideaki Soya, Ph.D. University of Tsukuba	Kyeongho Byun