

# ARIHHP Human High Performance International Forum 2017

"Sport Science for Olympic and Paralympic Games"

7th of March, 2017

09:30-17:40

216 Room at 5C Bldg.

参加申し込み：  
ARIHHP事務局  
体育系URA 小倉かさね  
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参加無料

## Keynote Lecture I

Ricardo J. Fernandes Ph.D.

University of Porto, Portugal,  
"VO<sub>2</sub> and lactate behavior  
at low, moderate  
and intense exercise"



## Keynote Lecture II

Vicky Tolfrey Ph.D.

Loughborough University,  
United Kingdom,  
"Exercise performance in  
the heat  
- challenges and solutions for  
Paralympic athletes with  
a spinal cord injury"



Time	Speakers & Titles	Chair
09:30-09:40	Opening Remark (Prof. Hideaki Soya, Project Leader)	Naoto Fujii
09:40-10:40	<b>Keynote Lecture-1</b> Ricardo J. Fernandes Ph.D., Faculty of Sport, University of Porto, Portugal, "VO <sub>2</sub> and lactate behavior at low, moderate and intense exercise"	Hideki Takagi
10:40-11:00	Coffee Break	
11:00-12:00	<b>Keynote Lecture-2</b> Vicky Tolfrey Ph.D., Loughborough University, United Kingdom, "Exercise performance in the heat - challenges and solutions for Paralympic athletes with a spinal cord injury."	Takeshi Nishiyasu
12:00-13:30	Lunch & Poster Session in Taibachi Hall (5C220)	
13:30-14:00	<b>Session-1: Research and Support for Paralympian</b> Yoshi-ichiro Kamijo M.D., Ph.D. Department of Rehabilitation Medicine, Wakayama Medical University, Japan, "Physiological considerations of wheelchair performance for spinal cord injury persons at different ambient temperatures"	Yasuo Sengoku
14:00-14:30	Nobuko Konishi M.S., Member of Technical Committee Japanese Para Swimming Federation, Japan, "Agendas in Japanese Para Swimming for Tokyo 2020"	Bun Tsuji
14:30-14:50	Tomohiro Gonjo Ph.D., Sports R & D Core, University of Tsukuba, Japan, "Body roll techniques in unilateral arm amputee front crawl swimmers"	
14:50-15:10	Coffee Break	
15:10-15:25	<b>Session-2: Strategy for reducing heat strain in Hot Summer Olympic in 2020</b> Daisuke Nakamura Ph.D., Japan Institute of Sports Science (JISS), Japan, "Special research project for 2020 Tokyo Olympic and Paralympic Games in JISS. ~With reference to countermeasures for hot and humid environment~"	Naoto Fujii
15:25-15:50	Kazunobu Okazaki Ph.D., Osaka City University, Japan, "Effects of carbohydrate in beverage on thermoregulatory responses"	Nicola Gerrett
15:50-16:10	Bun Tsuji Ph.D., Prefectural University of Hiroshima, "Effect of wearing graduated compression stockings on heat loss responses during exercise in the heat"	
16:10-16:30	Coffee Break	
16:30-16:50	<b>Session-3: Hot Topics -latest research in biomechanics and thermoregulation</b> Yuji Matsuda Ph.D., Researcher, Japan Institute of Sports Sciences(JISS), Japan, "Three dimensional analysis of underwater dolphin kick"	Bun Tsuji
16:50-17:10	Nicola Gerrett Ph.D., JSPS Foreign Postdoctoral Fellow, Kobe University, Japan, "Factors influencing the sweat glands ion reabsorption capacity"	Tomohiro Gonjo
17:10-17:30	Naoto Fujii Ph.D., University of Tsukuba, Japan, "Type 1 diabetes modulates cyclooxygenase- and nitric oxide-dependent mechanisms governing sweating but not cutaneous vasodilation during exercising in the heat"	
17:30-17:40	Closing Remark (Prof. Takeshi Nishiyasu)	Naoto Fujii