

# Degree Programs in Comprehensive Human Sciences

## <Doctoral Program in Sports Medicine>

Field of Research	Faculty	Detailed Description of Research Field
Medical Conditioning	○KUNO Shinya	Exercise and community system for prevention of lifestyle-related diseases and long-term care (frailty)
	SAGAYAMA Hiroyuki	Health and performance in exercise clinical nutrition
	○SHIBATA Ai	Physical activity promotion and sedentary behavior reduction for health maintenance and promotion
	SUGASAWA Takehito	RNA-Seq and analysis, gene-doping
	○TAKAHASHI Hideyuki	Morphological and qualitative characteristics of skeletal muscle and effective conditioning for human high performance
	○TAKEKOSHI Kazuhiro	Detection of gene doping by liquid biopsy
Athletic Training	FUKUDA Takashi	Training and conditioning for athletes
	○MUKAI Naoki	Mechanism and treatment of sport injuries
	OKAMOTO Yoshikazu	Prevention of overuse injuries for adolescent sports athletes using medical imaging
	SADO Natsuki	Biomechanical relationship between human morphology and motor performance
	TAKEMURA Masahiro	Sports injury prevention and reconditioning for return to play
	○WADA Tsunehiko	Effects of massage in the field of sports and support of handicapped athletes
	WATANABE Koichi	Clinical internal sports medicine focusing on respiratory and immune function
Sports Translational Research	○HADA Yasushi	Health care and improvement competitive ability for parasports athletes
	○KANAMORI Akihiro	Prevention and treatment of injury in knee joint and biomechanics
	○KOBAYASHI Hiroyuki	Exercise and insulin resistance, aging and frailty
	KOSAKI Keisei	Exercise and cardiorenal syndrome
	MIYAUCHI Takashi	Sports medicine and pharmacotherapeutics for prevention and treatment of cardiovascular diseases
	○NAKATA Yoshio	Exercise epidemiology, sport statistics, and research design
	TAKAHASHI Yoshio	Sports medicine education, management of high performance and recreational sports

[Cooperative Graduate School]

Sports Translational Research (Cooperative Graduate School)	○SUGAWARA Jun (AIST)	Support technology for extending healthy life expectancy
Sports Translational Research (Cooperative Graduate School)	○TARUMI Takashi (AIST)	Brain and cardiovascular function with aging and exercise

(Note)

The faculty member marked with ○ will be applicable for the main academic advisor.

Applicants who desired faculty members of the Cooperative Graduate School as a main academic advisor have to contact the Chair of Doctoral Program in Sports Medicine, Prof. TAKAHASHI Hideyuki, in advance of the application.

(AIST) National Institute of Advanced Industrial Science and Technology

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