

Degree Programs in Comprehensive Human Sciences

<Doctoral Program in Sports Medicine>

Field of Research	Faculty	Detailed Description of Research Field
Medical Conditioning	KAMADA Hiroshi	-
	○ 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	IKUMI Akira	Epidemiological studies of orthopedic sports injuries and disorders, and the establishment of prevention and treatment strategies
	KUDO Shigeru	Effects of acupuncture, moxibustion and massage in the field of sports and support of visually impaired athletes
	○ SADO Natsuki	Biomechanical relationship between human morphology and motor performance
	TAKEMURA Masahiro	Sports injury prevention and reconditioning for return to play
	○ FUKUDA Takashi	Training and conditioning for athletes
	○ WATANABE Koichi	Clinical internal sports medicine focusing on respiratory and immune function
	○ WADA Tsunehiko	Effects of massage in the field of sports and support of handicapped athletes
Sports Translational Research	○ KOSAKI Keisei	Preventive strategies for sport-related internal organ injuries, Anti-aging strategies for cardiovascular and renal health
	○ KOBAYASHI Hiroyuki	Exercise and insulin resistance, aging and frailty
	○ NAKATA Yoshio	Exercise epidemiology, sport statistics, and research design
	○ HADA Yasushi	Health care and improvement competitive ability for parasports Athletes
	MASHIMO Sonoko	Sports injury prevention and performance enhancement

[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.

The faculty member marked with * is scheduled to retire in March 2027.

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. WATANABE Koichi, in advance of the application.

(AIST) National Institute of Advanced Industrial Science and Technology

April 2026