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International Federation of
Sports Medicine



FIMS'16

34th WORLD CONGRESS OF SPORTS MEDICINE

From Theory to Practice...

Featuring



II. GENOMICS, GENETICS AND EXERCISE BIOLOGY

29 SEPTEMBER - 2 OCTOBER 2016
LJUBLJANA / SLOVENIA

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1 OCTOBER 2016

8:30-9:35	Chair	Yannis Pitsiladis
		Yannis Pitsiladis Introduction to Athlome
		Alejandro Lucia Genes for exercise intolerance
		Malcolm Collins Genetic predisposition to musculoskeletal soft tissue injuries: Practical implications and future research?

10:50-11:50	Chair	Alejandro Lucia
		Eco De Geus Causal modeling of the effects of exercise behavior in genomic informative twin studies
		Vassilis Klissouras Epigenetics: a path to superior performance?

14:30-15:15	KEYNOTE	Yannis Pitsiladis	An integrative 'Omics' solution to the detection of recombinant human erythropoietin and blood doping
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15:35-16:35	Chair	Masa Tanaka
		Guan Wang Discovery genome-wide association studies of elite sprint performance with imputation and replication
		Ildus Ahmetov Genome-wide association studies in the Russian cohorts of endurance and power athletes
		Noriyuki Fuku Candidate gene and whole genome approach for sports genetics with particular reference to Japanese population

16:45-18:00	Chair	Yannis Pitsiladis
		Martial Saugy Are science and medicine still significant actors for the fight against doping in sport
		Nicolas Leuenberger Detection of autologous blood transfusion via digital multiplex mRNA profiling
		Mohammed Alsayrafi The effect of sport performance enhancing substances on metabolic health: Investigation of supplement derived androgenic anabolic steroids

2 OCTOBER 2016

8:30-9:35	Chair	Malcolm Collins
		Alun Williams Choosing phenotypes in the GENESIS and Athlome projects
		Nir Eynon The Gene Smart Study: Uncovering the genetics and biology of exercise

09:35-10:30	KEYNOTE	Claude Bouchard	The contributions of exercise genomics to health and performance: expectation vs reality
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10:50-11:50	Chair	Claude Bouchard
		Masashi Tanaka 1000 Athlomes project
		Mike McNamee Ethical challenges for genetic biobanking in elite athlete populations

11:55-12:40	KEYNOTE	Kathryn North	The gene for speed: ACTN3, athletes, evolution and impact on human health.
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SPEAKERS

Alejandro Lucia
European University, Madrid – Spain

Alun Williams
Manchester Metropolitan University – UK

Claude Bouchard
Pennington Biomedical Research Center – USA

Eco De Geus
Department of Biological Psychology, VU
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Kathryn North
Murdoch Children's Research Institute,
University of Melbourne - Australia

Malcolm Collins
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Mike McNamee
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