

FAME LAB

Science Innovation Forum

2016

May 11 - 13, 2016

Conference Room, 1st Floor, School of Exercise Science, University of Thessaly, Karies

TRIKALA, GREECE

FAME LABORATORY

FAME Laboratory is a research unit within the University of Thessaly, School of Exercise Science, Greece, which conducts research on the physiological and molecular mechanisms that regulate mammalian adaptations to environmental influences.

Programme

- May 11/2016, 17:00 - 20:00, Session 1: Genetics
- May 12/2016, 10:00 - 13:40, Session 2: Biochemistry
- May 12/2016, 16:20 - 21:00, Session 3: Science Innovation
- May 13/2016, 10:00 - 13:00, Session 4: Climate Change and Heat Occupational Stress



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Event Programme

Wednesday 11 May, 2016

Genetics

17:00 - 17:40: **Dr. Cosetta Ravelli**, Department of Molecular and Translational Medicine, University of Brescia, Italy, "*Fluorescent proteins-based models for the visualization of the tyrosine kinase receptor VEGFR2*"

17:40 - 18:20: **Mr. Sergei Shevchenko**, Institute of Gene Biology, Russian Academy of Sciences, Russia, "*UCP1 gene: from disorder to gene expression*"

18:20 - 18:40 - *Break*

18:40 - 19:20: **Ms. Tania Amorim**, Centre of Research, Education, Innovation and Intervention in Sport, Faculty of Sports, University of Porto, Portugal & The Faculty of Education, Health and Wellbeing, University of Wolverhampton, UK, "*Bone health and intensive physical exercise*"

19:20 - 20:00: **Mr. Petros Dinas**, The Faculty of Education, Health and Wellbeing, University of Wolverhampton, UK, "*Can brown and brown-like adipose tissue benefit human health? The role of exercise*"



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Thursday 12 May, 2016

Biochemistry

10:00 - 10:40: **Prof. Liliya Nadolnik & Ms. Maria Chumachenka**, Director - Leading Researcher, Institute of Biochemistry of Biologically Active Compounds, *“Reactive oxygen species: biological role, mechanisms of cell defense under stress”*

10:40 - 11:20: **Prof. Thanasis Tziamourtas**, School of Exercise and Science, University of Thessaly, Trikala, Greece, *“Oxidative stress and cardio-metabolic disease”*

11:20 - 11:40: Break

11:40 - 12:20: **Dr. Ioannis Fatouros**, School of Exercise and Science, University of Thessaly, Trikala, Greece, *“Utilization of oxidative stress markers for diagnosis of sports-related maladaptations”*

12:20 - 13:00: **Ms. Kaitlyn Perrins and Dr. Andres Carrillo**, Department of Exercise Science, Chatham University, Pittsburgh, PA, USA, *“Physical performance on a high fat, low carbohydrate diet: a proposal for future research”*

13:00 - 13:40: **Dr. Athanasios Batagiannis**, CETRI, Cyprus, *“Innovation management in H2020 projects”*



Science Innovation

16:20 - 17:00: **Ms. Stephanie Beechler - Dr. Andres Carrillo**, Department of Exercise Science, Chatham University, Pittsburgh, PA, USA “*Specialization and chaos: a necessary unity for the advance into novelty*”

17:00 - 17:40: **Ms. Erika Martin & Ms. Asya Spencer**, Department of Exercise Science, Chatham University, Pittsburgh, PA, USA “*A move from specialist to generalist: marathons to CrossFit®*”

17:40 - 18:00: Break

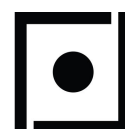
18:00 - 18:40: **Mr. Vasilios Spahos, Ms. Eleni Kliafa & Mr. Alekos Ahilleas**, Robotics Team, 7th Lyceum of Trikala, “*Diving in the waters of Litheos with hydrobot Argolith*”

18:40 - 19:20: **Ms. Souzana Sofou**, CETRI, Cyprus, “*A new approach for the fabrication of orthopedic implants*”

19:20 - 19:40: Break

19:40 - 20:20: **Dr. Alexis Kermanidis & Mr. Feidias Stamos**, Centarus Racing Team, University of Thessaly, “*Advanced materials for applications in the automotive industry*”

20:20 - 21:00: **Mr. Vasilis Sideris & Dr. Giannis Giakas**, Biomechanical Solutions, CERTH, Greece, “*Wishoe: a smart shoe - Kneerotmeter: assessing tibial torsion*”



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Friday 13 May, 2016

Climate Change and Heat Occupational Stress

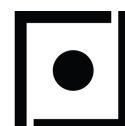
10:00 - 10:40: **Dr. Andreas Flouris**, FAME Laboratory, School of Exercise Science, University of Thessaly, *“Human physiology in hot environments”*

10:40 - 11:20: **Prof. Klea Katsouyanni**, Department of Hygiene, Epidemiology and Medical Statistics, National and Kapodistrian University of Athens, *“Temperature and heat wave associations with mortality: results from epidemiological studies and geographical variability”* (Skype™ Presentation)

11:20 - 11:40: Break

11:40 - 12:20: **Prof. Tord Kjellstrom**, CETRI, Cyprus, *“Climate change impacts on working people”*

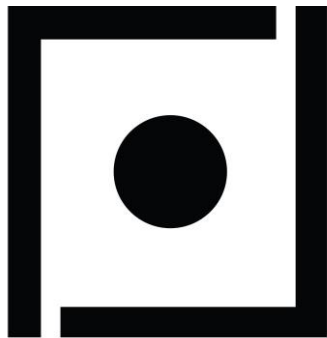
12:20 - 13:00: **Dr. Adrian Golemis**, Space Generation Advisory Council, *“White is the new green”*



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