

2nd TROPSENSE Workshop:

Nanomaterial-based devices based on advanced functionalised nanomaterials

Tarragona – Spain, 21st April 2016

CHAIRS:

Dr. Radu Ionescu (Rovira i Virgili University, Spain)

Prof. Eduard Llobet (Rovira i Virgili University, Spain)

AGENDA

Introduction to MSCA actions

9:00 – 10:00 **Dr. Annouchka Nabokoff**, Research Executive Agency, European Commission: Marie Skłodowska-Curie Actions – Your research career in Europe

Scientific Workshop

10:00 – 10:10 **Dr. Radu Ionescu**: Welcome and introduction

10:10 – 10:30 **Mr. Arcadii Sobetkii**, National Institute for Nonferrous and Rare Metals, Romania: “PVD techniques in solid state sensor applications”

10:30 – 10:50 **Mr. Umut Cindemir**, Molecular Fingerprint, Sweden: “Sputtered metal oxide thin films for gas sensing”

10:50 – 11:10 **Prof. Eduard Llobet**, Rovira i Virgili University, Spain: “Functionalization of carbon nanotubes: towards devices for the molecular recognition of aromatic compounds in the environment”

11:10 – 11:30 **Dr. Ángela López**, University of Ulm, Germany: “Stainless steel mediated synthesis of bare gold nanoparticles: characterization and application for surface enhanced vibrational spectroscopies”

11:30 – 12:00 Coffee Break

12:00 – 12:20 **Mr. Tesfalem Welearegay**, Rovira i Virgili University, Spain: “Fabrication of Back-gated Field Effect Transistor Based Gas Sensor”

12:20 – 12:40 **Mr. Oriol González**, Rovira i Virgili University, Spain: “Response of indium oxide nano-octahedra activated by switching UV light”

12:40 – 13:00 **Prof. Janusz Smulko**, Gdansk University of Technology, Poland: “Fluctuation enhanced sensing with resistive gas sensors modulated by UV light”

13:00 – 13:20 **Prof. Cristhian Manuel Durán**, University of Pamplona, Colombia: “Embedded system to improve the electronic nose performance”

13:20 – 14:20 Lunch

14:20 – 14:40 **Dr. Dumitru Ulieru**, SITEX 45 SRL, Romania: “The generic nanomaterials implementation into nanomedicine applications of future”

14:40 – 15:00 **Dr. Fethi Diouani**, Institute Pasteur of Tunis, Tunisia: “Metallic Nanoparticles in veterinary medicine: Useful tools for diagnostic and therapeutic”

15:00 – 15:20 **Prof. Benachir Bouchikhi**, University Moulay Ismaïl, Morocco: “Exhaled Breath Analysis System Based on Electronic Nose of Healthy Individuals and Patients with Chronic Kidney Disease during Dialysis Treatment”

15:20 – 15:40 **Dr. Jan Mitrovics**, JLM Innovation GmbH, Germany: "Nanosensors enabling smart mobile health”

15:40 – 16:00 **Mr. Tarik Saidi**, University Moulay Ismaïl, Morocco: “Analysis of Human Urine by Means of Voltammetric Electronic Tongue and UV-Vis Spectrophotometry - Accurate Classification of Patients According to Their Urinary Creatinine Concentrations”

16:00 – 16:45 Free discussion on the nanomaterial-based devices based on advanced functionalised nanomaterials and their implantation in health applications
(Chairs: **Dr. Radu Ionescu** and **Prof. Eduard Llobet**)