



II WORKSHOP MEETING

Faculty of Sciences, 22nd February 2020

Room: A1, DQB (FC2)

Program

- 09h00 **Reception**
09h30 **Welcome** – António Fernando Silva
- Session_A**
Chair: Victor Morais
- 09h35 **#RG1.** Medicinal Chemistry – Fernanda Borges
09h50 **#RG2.** Molecular & Supramolecular Thermodynamics – João Monte
10h05 **#RG3.** Nanostructures & Self-Organization – Luís Santos
10h20 **#RG4.** Physical Analytical Chemistry & Electrochemistry – Carlos Melo Pereira
10h35 **#RG5.** Education, Science Communication and Society – João Paiva
- 10h50 **Coffee Break**
- Session_B**
Chair persons: Alexandra Gaspar; Gideon Tolufashe; Hugo Vieira
- 11h05 **B.1** Carlos Fernandes
The nanomaterial toolkit for neurological disorders treatment
11h20 **B.2** José C. S. Costa
Vapor deposition of organic-inorganic thin films for energy applications
11h35 **B.3** Ana Rita Almeida
Thermodynamic properties of moldy-musty contaminants of wine
11h50 **B.4** Carla M. Magalhães
Marine chemiluminescence as antitumor therapy with enhanced tumor-selectivity and activity
12h05 **B.5** José L. Araújo
Citizen science in the chemistry class: monitoring coastal water physicochemical parameters to assess students' attitudes towards chemistry
12h20 **B.6** Daniel Chavarria
Synthesis and structure-activity relationship study of piperine derivatives with MAO-B and P-gp inhibitory activities
- 12h35 **Lunch (FCUP Self-Service Restaurant)**
- Session_C**
Chair persons: Patrícia González-Berdullas; Isabel Saúde
- 14h35 **C.1** Luciano Moreira
Science communication and evaluation through immersive virtual reality: contributions from I SEA project
14h50 **C.2** Porkodi Kadhivel
Molecularly imprinted nanoparticles produced by automatized solid-phase synthesis
15h05 **C.3** Bárbara Claro; Gideon Tolufashe; António Peón López
The dance of lipids and peptides - crossing experiments with MD simulations
15h20 **C.4** Ana Luísa Ribeiro da Silva
An overview of energetic and structural studies on key organic compounds
15h35 **C.5** José Manuel Olmos
Theoretical and experimental study of ion transfer processes at polarized liquid/liquid interfaces
15h50 **C.6** Pedro Soares
From nature inspiration to multitarget small molecules
16h05 **C.7** Raquel Fonseca
Amphiphile-based interfaces and self-assembled nanomaterials for diverse applications
- 16h20 **Coffee Break**
- 16h40 **Special Session**
Chair: Renata Costa
Individual Fellowships Marie Skłodowska-Curie and Scientific Employment Stimulus from FCT
Porkodi Kadhivel; Pedro Soares; Ana Luísa Ribeiro da Silva; Luís Pinto da Silva; Maria João Matos
- 17h10 **Closing Session** – Maria das Dores Ribeiro da Silva