

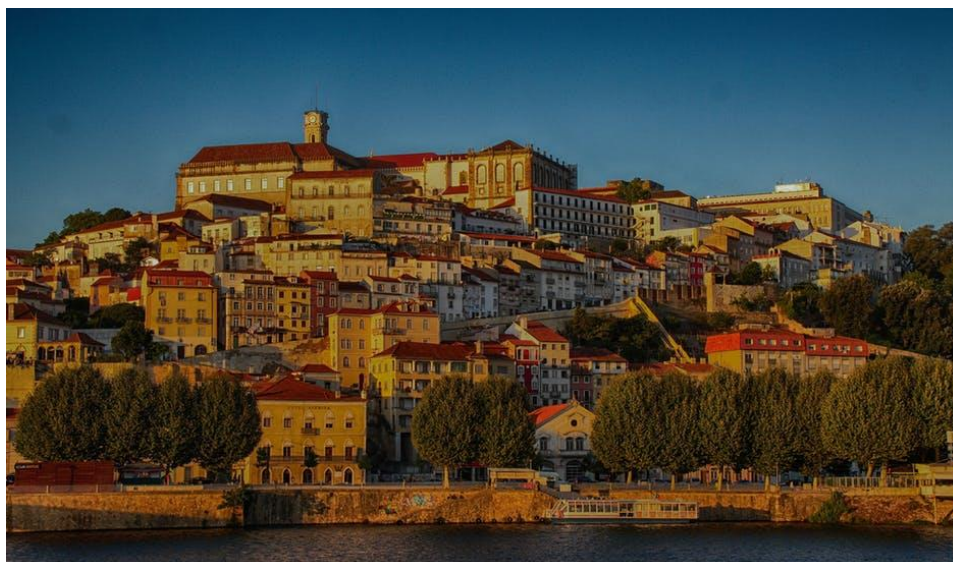
FINAL CONFERENCE *From Theory to Translation*

7 - 9 October 2018

University of Coimbra
Portugal

Overview Key topics:

Key topic 1	Technology
Key topic 2	Ring Trial
Key topic 3	Medicinal Applications
Key topic 4	Translation



<https://www.raman4clinics.eu/>

Sunday, 7 October 2018

📍 Museum of Science of the University of Coimbra - Historic Amphitheatre
University Campus I, <http://www.museudaciencia.org/>, (GPS: 40.2102109,-8.4237839)

17:45 - 18:00	Welcome and Opening of the Meeting Prof. Maria Paula Marques & Prof. Luis Batista de Carvalho (Local Organizers) Prof. Juergen Popp (COST Action Chair) / Prof. Teresa Pinho e Melo (Chemistry Department Director)
18:00 - 19:00	Key Topic: Vibrational Spectroscopy - New Perspectives Speaker: Prof. Peter Gardner, University of Manchester (UK) Chair: Prof. Juergen Popp, Leibniz Inst of Photonic Tech & Friedrich-Schiller-University of Jena, (DE)
19:00 - 20:30	Welcome Reception & Get Together Colégio de Jesus, University Campus I (by the Museum of Science) https://www.google.com/search?hl=en&q=rest+univ+Col%C3%A9gio+de+Jesus , (GPS: 40.2101127,-8.4240927) Largo Marquês de Pombal - 3000-214

Monday, 8 October 2018

📍 Physics Department
University Campus I (Polo I), Rua Larga, (GPS: 40.207816,-8.424462)

9:00 - 9:30	Registration
9:30 - 10:00	Key Topic: Spectropathology - Quo Vadis? Speaker: Prof. Hugh J. Byrne, FOCAS Research Institute, Dublin Institute of Technology, Ireland Chair: Prof. Juergen Popp, Leibniz Inst of Photonic Tech & Friedrich-Schiller-Univ of Jena, Germany
10:00 - 10:45	Discussion
10:45 - 11:15	Coffee break
11:15 - 12:45	<u>Session of Working Group 1:</u> Therapeutic monitoring of anti-tumoural drugs and antibiotics in body fluids Chair: Prof. Valter Sergo, University of Trieste, Italy 11.15 - 11.45 WG1 Round Robin: results and possible outcomes Prof. A. Bonifacio, University of Trieste, Italy 11.45 - 12.00 SERS for identification of cells and for therapeutic drug monitoring Prof. M. Meneghetti, University of Padua, Italy 12:00 - 12.05 Discussion 12.05 - 12.20 Nanopillar-Assisted SERS Chromatography Dr. T. Rindzevicious, Silmeco, Denmark 12:20 - 12.25 Discussion 12.25 - 12.40 Pearls and pitfalls of Surface Enhanced Raman Spectroscopy for therapeutic drug monitoring of antineoplastic drugs Dr. S. Fornasaro, University of Trieste, Italy 12:40 - 12.45 Discussion
12:45 - 14:00	Lunch break

14:00	Group Picture - main door of the Physics Department (meeting point)
14:15 - 15:15	<p><u>Session of Working Group 2:</u></p> <p>Diagnosis of infectious diseases by detection of microbial pathogens</p> <p>Chair: Prof. Evangelos Giamarellos-Bourboulis, University Hospital of Athens, Greece</p> <p>Impulse Lectures</p> <p>14:15 - 14:30 “Raman spectroscopy-based identification of toxoid vaccine products” Dr. Anja Silge, Friedrich-Schiller-University of Jena, Germany</p> <p>14:30 - 14:35 Discussion</p> <p>14:35 - 14:50 “Can Raman become a tool for personalized medicine for severe infections?” Prof. E. Giamarellos-Bourboulis, University Hospital of Athens, Greece</p> <p>14:50 - 14:55 Discussion</p> <p>14:55 - 15:15 WG 2 discussion of Raman4Clinics activities</p>
15:15 - 16:00	<p><u>Session of Working Groups 3, 4 & 5:</u></p> <p>WG 3: Cytopathology of single cells for cancer cell monitoring</p> <p>WG 4: Histopathology of cells and tissue sections and biopsies from cancerous and noncancerous pathologies</p> <p>WG 5: Fiber optic endoscopy for <i>in vivo</i> assessment of cancer and atherosclerosis</p> <p>Chairs: Prof. Fiona Lyng, Dublin Institute of Technology, Ireland Dr. Christoph Krafft, Leibniz Institute of Photonic Technology Jena, Germany Dr. Catherine Kendall, Gloucestershire Hospitals NHSFT, United Kingdom</p> <p>Impulse Lectures</p> <p>15:15 - 15:25 Raman spectral cytopathology for the identification of cancer cells Dr. Samir El-Mashtoly, Ruhr University Bochum, Germany</p> <p>15:25 - 15:30 Discussion</p> <p>15:30 - 15:40 Raman imaging of extracellular matrix networks in mouse aortic tissues' Dr. Eva-Maria Brauchle, Research Inst for Women's Health, Eberhard Karls Univ Tübingen, Germany</p> <p>15:40 - 15:45 Discussion</p> <p>15:45 - 15:55 Biochemical changes in injured sciatic nerve of rats after low-level laser therapy (660 nm and 808 nm) evaluated by Raman spectroscopy Dr. Nilton Maciel Manguiera, Universidade Federal do Maranhão, Brazil</p> <p>15:55 - 16:00 Discussion</p>
16:00 - 16:30	Coffee Break
16:30 - 17:30	<p>Discussion of Raman4Clinics WG 3-5 related activities and issues</p> <p>Chairs: WG leaders</p> <p>16.30 - 16.35 WG3 update</p> <p>16.35 - 16.45 Discussion</p> <p>16.45 - 16.50 WG4 update</p> <p>16.50 - 17.00 Discussion</p> <p>17.00 - 17.05 WG5 update</p> <p>17.05 - 17.15 Discussion</p> <p>17.15 - 18.00 General discussion - WG 3, 4 & 5</p>
20:00 - 23:00	<p>Conference dinner - Cultural Centre D. Dinis</p> <p>University Campus I (Polo I), Largo D. Dinis, (GPS: 40209274,-8422660)</p> <p>https://www.uc.pt/sasuc/Pesquisa_Rapida/OfertaIntegradaServicos/CCDDINIS</p>

Tuesday, 9 October 2018

📍 **Physics Department**
University Campus I (Polo I), Rua Larga, (GPS: 40.207816,-8.424462)

9:00 - 9:20	Optical biopsy as a real time method for diagnostic and therapy monitoring: crossing barriers Speaker: Dr. Luís Felipe Carvalho, University of Taubaté/ Braz Cubas University, Brazil Chair: Gabi Hamm	
9:20 - 10:00	Key Topic: Clinical Biophotonics Speaker: Prof Juergen Popp, Leibniz Inst of Photonic Tech & Friedrich-Schiller-Univ of Jena, Germany Chair:	
10:00 - 10:30	Coffee Break	
10:30 - 11:30	Raman Round Robin Session WG3/WG4 - Summary of results and discussion Chairs/Moderators: Dr. Thomas Bocklitz, Leibniz Inst of Photonic Tech & Friedrich-Schiller-Univ. of Jena, Germany c/o Dr. Claudia Beleites, Chemometrix GmbH	
12:00 - 15:00	Management Committee (MC) meeting (for MC members, lunch break included) Chair: Action Chair Prof. Jürgen Popp	Non MC members: lunch break Sightseeing tickets available for visiting the Old University
15:00 - 16:00	Final discussion, Next steps, Closing Chair: Dr. Christoph Krafft Leibniz Institute of Photonic Technology & Friedrich-Schiller-University of Jena, Germany	
16:00 - 17:00	Drinks & Farewell	