



XXVIII Transfrontier Meeting on Sensors and Biosensors (TMSB 2024)		
Scientific and Social Programme		
Thursday 26 th September		
14:00 – 14:50	Registration and Poster Installation	
14:50 – 15:00	TMSB2024: Opening Session	
15:00 – 16:30	Oral Presentations: First Session Biorecognition Elements for Biosensing Chairman: Thierry Noguier (UPVD)	
15:00 – 15:30	Anna Toldrà (KI) Decentralizing nucleic acid tests: Towards integrated devices using paper, textile and electronics	KN 01
15:30 – 15:45	Shaira Jane Acosta (URV) <i>In vitro</i> selection of DNA aptamers for highly specific recognition of <i>Mycobacterium tuberculosis</i> ESAT-6/CFP-10 heterodimer antigen	OC 01
15:45 – 16:00	Elena Rodríguez-Franch (UAB) Improving cocaine voltammetric detection with molecularly imprinted polymer modified sensor	OC 02
16:00 – 16:15	Jaume Reverté (IRTA) The importance of antibody cross-reactivity in immunoanalytical tools for toxins	OC 03
16:15 – 16:30	Mounira Alkassar (IRTA) Neuroblastoma cell-based tools and HPLC-FLD for the detection of paralytic shellfish toxins in marine pufferfish from the Spanish Mediterranean coast	OC 04
16:30 – 17:15	Coffee break Poster Session (PC 01 – PC 21)	
17:15 – 18:15	Oral Presentations: Second Session New Materials and Sensor Platforms Chairwoman: Mar Puyol (UAB)	
17:15 – 17:30	Franc Paré (UAB) 3D-printing technology for unconventionally shaped electrode's fabrication	OC 05
17:30 – 17:45	Deepanshu Verma (ICIQ) Porous alumina-based biosensing platforms for early-stage infection diagnosis	OC 06
17:45 – 18:00	Roger Serentill-Grau (UAB) Development of electrochemical sensors with 3D printing technology for the analysis of illicit substances	OC 07
18:00 – 18:15	Marwa Ben Amar (IMB-CNM) Smart analytical microtechnology for aquaculture process monitoring	OC 08
20:00	Gala Dinner Restaurant Juanito Platja Passeig Marítim, 50, 43540 La Ràpita (Scan the QR code for on-screen map instructions)	



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Friday 27 th September		
Oral Presentations: Third Session		
Portable Devices for Point-of-Care Applications Chairman: Julio Bastos-Arrieta (UB)		
09:00 – 09:30	Manuel Gutiérrez-Capitán (IMB-CNM) Point-of-care (PoC) devices based on multiplexed electrochemical biosensors for early disease diagnosis	KN 02
09:30 – 09:45	Anaïxis del Valle (UAB) Portable PCR and electrochemical genosensing for the rapid screening test development to detect neonatal <i>Streptococcus agalactiae</i> infections	OC 09
09:45 – 10:00	Juan Carlos Porras (UAB) Portable medical device based on magneto immunosensor for the diagnosis of celiac disorder	OC 10
Coffee break		
Poster Session (PC 01 – PC 21)		
Oral Presentations: Fourth Session		
Sensing Tools for Emerging Contaminants Chairwoman: Beatriz Prieto-Simón (ICIQ)		
10:45 – 11:00	Youssef Ali (CNIEL, ANSES) Colorimetric and electrochemical enzymatic biosensor for the detection of disinfectants in dairy products	OC 11
11:00 – 11:15	Jing Huang (UB) Electrochemical determination of emerging contaminants using tailored layer-by-layer modification of screen-printed carbon electrodes	OC 12
11:15 – 11:30	Ulises Guillermo Díaz Avello (URV, IRTA) Accurate and fast tetrodotoxin detection by a paper-based test based on an antibody-aptamer sandwich assay	OC 13
Final Remarks and TMSB2024 Awards		
12:00 – 16:00 (tentative)	Boat Excursion and Closure Lunch Musclarium <i>Badia dels Alfacs, Port Esportiu, 43540 La Ràpita</i> <small>(Scan the QR code for on-screen map instructions)</small>	

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