



Thursday 29 th September		
13:00-14:00 h	Registration and poster installation at the Pau Gargallo Hall of the Faculty of Physics	
14:00-14:10 h	Opening session at the Aula Magna Enric Casassas	
14:10-14:40 h	Key-note session at the Aula Magna Enric Casassas Manel del Valle (Universitat Autònoma de Barcelona) EXPERIENCES IN THE DETECTION OF DRUGS OF ABUSE BY USING ELECTRONIC TONGUE PRINCIPLES	
14:40-16:10 h	Oral presentations. Session 1: Biosensors I at the Aula Magna Enric Casassas Chairman: Thierry Nogue (UPVD)	
14:40-14:55 h	S.1.1	H. Haji Hashemi (URV) POROUS ALUMINA-BASED BIOSENSING PLATFORM TO QUANTIFY EXOSOMES AS BIOMARKERS FOR EARLY DIAGNOSIS OF INFECTIOUS DISEASES
14:55-15:10 h	S.1.2	L. Mouawad (UPVD) THE DEVELOPMENT OF A GENETICALLY MODIFIED ACETYLCHOLINESTERASE BIOSENSOR FOR THE DETECTION OF BIOCIDES
15:10-15:25 h	S.1.3	J. Reverté (IRTA) EVALUATION OF NEW BIORECOGNITION ELEMENTS FOR BIOSENSING: STUDY OF ANTIDOTE-LIKE EFFECT OF APTAMERS AND CYCLODEXTRINS ON TETRODOTOXIN USING NEURO-2A CELLS
15:25-15:40 h	S.1.4	A. Ruhela (URV) DETECTION AND PURIFICATION OF DSDNA AMPLICONS THROUGH CAPTURE WITH A SEQUENCE-SPECIFIC DNA BINDING PROTEIN IMMOBILIZED ON MAGNETIC BEADS
15:40-15:55 h	S.1.5	J.C. Porras (UAB) COMPARATIVE STUDY OF GOLD AND CARBON NANOPARTICLES IN NUCLEIC ACID LATERAL FLOW ASSAY
15:55-16:10 h	S.1.6	L. M. Alkassar (IRTA) CLEAN-UP AND PRE-CONCENTRATION METHOD BASED ON ANTIBODIES AND MAGNETIC BEADS FOR THE DETECTION OF CIGUATOXINS IN FISH EXTRACTS WITH CELL-BASED ASSAYS
16:10-17:00 h	Coffee break and poster session at the Pau Gargallo Hall of the Faculty of Physics	

17:00-18:30 h	Oral presentations. Session 2: New sensing materials at the Aula Magna Enric Casassas Chairman: Manel del Valle (UAB)	
17:00-17:15 h	S.2.1	C. Pérez-Ràfols (UB) OXIDIZED BLACK PHOSPHORUS FOR THE VOLTAMMETRIC DETERMINATION OF POSITIVELY CHARGED SPECIES
17:15-17:30 h	S.2.2	E. Lujan (IQS-URL) NOVEL SOLID-STATE SENSOR FOR LITHIUM MONITORING IN MOLTEN ALLOYS
17:30-17:45 h	S.2.3	L. L. Fernández (UAB) SIMULTANEOUS DETECTION OF CADMIUM(II), LEAD(II) AND COPPER(II) USING NANO-ENABLED COMPOSITE CARBON BASED ELECTRODES FUNCTIONALIZED WITH MERCURY-NANOPARTICLES
17:45-18:00 h	S.2.4	A.A. Rajendran (URV) NOVEL POROUS SILICON-BASED ELECTROCHEMICAL TRANSDUCER STABILIZED VIA PYROLYSIS OF FURFURYL ALCOHOL
18:00-18:15 h	S.2.5	A. Pascual-Esco (UAB) SYNTHESIS OF CARBON DOTS IN CERAMIC MICROREACTORS AS LUMINESCENT REAGENTS FOR HEAVY METALS MONITORING IN WATER
18:15-18:30 h	S.2.6	J. Marfà (UAB) MOLECULARLY IMPRINTED POLYMER AS TESTING ZONE IN PAPER-BASED VERTICAL FLOW ASSAY
19:30-20:30 h	Walking tour – Science history of Barcelona Meeting point: Metro station Liceu	
20:30 h	Gala Dinner Restaurant Pomarada. Pg. de Gràcia, 78 Principal	

Friday 30 th September		
8:50 - 9:00 h	Opening session at the Aula Magna Enric Casassas	
9:00 - 9:30 h	Key-note session at the Aula Magna Enric Casassas Thomas Alava (Cea Leti) CHALLENGES AND PITFALLS TO OVERCOME IN THE DEPLOYMENT OF BIOSENSORS FOR ON-FIELD OPERATION: THE CASE STUDY OF LITTORAL WATER SENSORS	
9:30 - 10:30 h	Oral presentations. Session 3: Methods and Techniques at the Aula Magna Enric Casassas Chairman: Mar Puyol (UAB)	
9:30 - 9:45 h	S.3.1	J. Bastos-Arrieta (UB) SPECTROELECTROCHEMICAL ANALYTICAL APPROACH FOR QUANTITATIVE STUDY OF THE Fe(II)/Fe(III) – 1,10-ORTHOPHENANTHROLINE SYSTEM
9:45 - 10:00 h	S.3.2	F. Paré (UAB) NOVEL NITRATE ION-SELECTIVE MICROSENSOR BY MEANS OF DIRECT INK WRITING
10:00 - 10:15 h	S.3.3	A. Hinojo (IQS-URL) POTENTIOMETRIC H ₂ GAS SENSOR BASED ON BaCe _{0.6} Zr _{0.3} Y _{0.1} O _{3-α} - ZnO
10:15 - 10:30 h	S.3.4	L. Garrido-Carretero, (UAB) DISPOSABLE POINT-OF-CARE DEVICE FOR THE POTENTIOMETRIC DETERMINATION OF SWEAT CHLORIDE FOR THE DIAGNOSIS OF CYSTIC FIBROSIS
10:30-11:15 h	Coffee break and poster session at the Pau Gargallo Hall of the Faculty of Physics	

11:15-12:30 h	Oral presentations. Session 4: Biosensors II at the Aula Magna Enric Casassas Chairman: Mònica Campàs (IRTA)	
11:15 - 11:30 h	S.4.1	M. Mesas (UAB) RAPID TEST FOR THE DETECTION OF MYCOBACTERIUM TUBERCULOSIS
11:30 - 11:45 h	S.4.2	N. A. Chandra Pandurangi (URV) STRATEGIES TO DEVELOP WHOLE-CELL ELECTROCHEMICAL BIOSENSOR FOR DETECTION OF TOXINS
11:45 - 12:00 h	S.4.3	G. G. Dalkiranis (ICN2) DEVELOPMENT OF A HEATER TO DRY PRINTED BIOSENSORS IN REAL-TIME
12:00 - 12:15 h	S.4.4	M. Bernuz (UAB) RAPID TEST TO DETECT CELLULAR IMMUNE RESPONSE AGAINST SARS-CoV-2
12:15 - 12:30 h	S.4.5	S. Bahadorikhalili (URV) POLY(ACRYLIC ACID)-MODIFIED POROUS SILICON AS A pH RESPONSIVE TOOL FOR ANTIBIOTIC RESISTANT BACTERIA DETECTION
12:45-13:15 h	Closing remarks + awards at the Aula Magna Enric Casassas Group photo at the entrance of the Faculty in St. Martí i Franquès	
13:30 h	Lunch Grup Soteras, Faculty of Chemistry	