

**Sunday August, 30<sup>th</sup>**

**Opening session (17:00-19:00)**

Amphitheater Lemoigne

**Welcome addresses (17:00-18:00)**

Organizing Committee  
ISTA International Chairs  
Representatives of CNRS, MEEDDM, Région Lorraine, Conseil Général de Moselle, Ville de Metz

**Introductory lectures (18:00-19:00)**

18:00-18:20	<b>TOXICITY ASSESSMENT AND PUBLIC POLICIES: AN URGENT NEED FOR RESEARCH</b> Vindimian E.
18:20-19:00	<b>DIVERSITY AND EVOLUTION OF CYTOCHROME P450 GENES IN ANIMALS</b> <u>Stegeman J.J.</u> and Goldstone J.V.

## Monday August 31<sup>th</sup>

Session I. - RISK ASSESSMENT FOR POLLUTANTS AND BIOTOXINS  
(Plenary / Amphi Lemoigne) **Chairs:** John Stegeman and Christophe Minier

08:30-09:10	<b>ENVIRONMENTAL CRITERIA FOR PAHS AND IMPLICATIONS OF RECENT FINDINGS ON AQUATIC ANIMAL HEALTH</b> <u>Collier T.</u> , Johnson L., and Incardona J. ( <b>Invited lecture</b> )
09:10-09:50	<b>RISK AND REGULATION IN ENVIRONMENTAL TOXICOLOGY, APPLICATION TO CYANOBACTERIAL TOXINS AND PESTICIDES</b> <u>Falconer I.R.</u> ( <b>Invited lecture</b> )
09:50-10:10	<b>THE MULTI-BIOMARKER APPROACH IN ENVIRONMENTAL MONITORING</b> <u>Broeg K.</u>
10:10-10:40	Coffee break
10:40-11:00	<b>BIOMARKERS IN THE POLYCHAETE <i>NEREIS DIVERSICOLOR</i> AS A SENTINEL SPECIES IN ESTUARIES</b> <u>Amiard-Triquet C.</u> , Buffet P.E., Fossi-Tankoua O., Kalman J., Amiard J.C., Dedourge-Geffard O., Métais I. and Mouneyrac C
11:00-11:20	<b>COMPARATIVE SENSITIVITY OF DIFFERENT DEVELOPMENTAL STAGES OF THE JAPANESE MEDAKA TO ENVIRONMENTAL MIXTURE OF PAHS</b> <u>Cachot J.</u> , Sundberg-Jones S.E., Law M., Pottier D., André V., Akcha F., Budzinski H. and Winn R.
11:20-11:40	<b>NEW INSIGHTS IN ANALYSING ECOTOXICOLOGICAL DATA USING DEBTOX AND MATRIX POPULATION MODELS: THE BENEFITS OFFERED BY BAYESIAN INFERENCE</b> <u>Charles S.</u> , Billoir E., Lopes C., Teixeira-Alves M. and Delignette-Muller M.L.
11:40-12:00	<b>ON-LINE QUANTIFICATION OF CYANOBACTERIA IN RAW WATER AND CONTINUAL MONITORING OF MICROCYSTINS IN TREATED WATER AS A PART OF WATER SAFETY PLANS</b> <u>Marsalek B.</u> , Trflek M., Novotna Z. and Kohoutek J.

## Monday August 31<sup>th</sup>

### Session II.1 - BIOMARKERS

(Amphi 1) **Chairs:** Claude Amiard-Triquet and Carole Cossu-Leguille

14:00-14:20	<p><b>FISH COMMUNITIES AS INDICATORS OF THE HEALTH OF RIVER ECOSYSTEMS: MULTISCALE APPROACH ON THE GUDGEON (<i>GOBIO GOBIO</i>)</b>  <u>L'Hoste L.</u>, Dohet A., Gutleb A.C., Palluel O., Porcher J.M., Cauchie H.-M. and Hoffmann L.</p>
14:20-14:40	<p><b>FROM MOLECULE TO POPULATION: USING ZEBRAFISH, <i>DANIO RERIO</i>, AS A MODEL TO EVALUATE BIOLOGICAL EFFECTS OF URANIUM</b>  <u>Gagnaire B.</u>, Adam C., Simon O., Augustine S., Lerebours A., Bourrachot S. and Gilbin R.</p>
14:40-15:00	<p><b>CELLULAR ENERGY ALLOCATION IN MUSSELS (<i>MYTILUS GALLOPROVINCIALIS</i>) FROM THE STRATIFIED ESTUARY AS A PHYSIOLOGICAL BIOMARKER</b>  <u>Erk M.</u></p>
15:00-15:20	<p><b>THE USE OF BIOMARKERS IN WILDLIFE FISH - A TECHNIQUE WHICH ALLOWS IGNORING PARASITISM?</b>  <u>Frank S.N.</u>, Trubiroha A., Kloas W., Faust S., Kalbe M. and Sures B.</p>
15:20-16:30	<p>Coffee break and POSTER SESSION (EXHIBITION HALL)</p>
16:30-16:35	<p><b>ANTITOXIC DEFENCE SYSTEMS AND BIOCHEMISTRY VARIATIONS IN TWO GAMMARIDS AND INFLUENCE OF THE ACANTHOCEPHALAN <i>POLYMORPHUS MINUTUS</i></b>  <u>Gismondi E.</u>, Sroda S., Beisel J.-N. and Cossu-Leguille C.</p>
16:35-16:40	<p><b>EVALUATION OF THE POTENTIAL OF TRANSLOCATED COMMON COCKLE FOR ECOLOGICAL RISK ASSESSMENT STUDIES: BIOACCUMULATION AND BIOMARKERS TEST</b>  <u>Lobo J.</u>, Costa P.M., Caeiro S., Martins M., Ferreira A.M., Caetano M., Val C. and Costa M.H.</p>
16:40-16:45	<p><b>GROWTH AND METAL ACCUMULATION IN THE TERRESTRIAL ISOPOD <i>PORCELLIO SCABER</i> EXPOSED TO LITTERS FROM CADMIUM, LEAD AND ZINC CONTAMINATED SITES</b>  <u>Godet J.P.</u>, Demuyne S., Waterlot C., Douay F., Leprêtre A., Pruvot C. and Lemièrre S.</p>
16:45-16:50	<p><b>EFFECT OF METALS EXPOSURE ON FEEDING RATE AND DIGESTIVE ENZYMES IN TRANSPLANTED <i>GAMMARUS FOSSARUM</i></b>  <u>Palais F.</u>, Geffard A., Geffard O., Biagianti-Risbourg S. and Dedourge-Geffard O.</p>
16:50-17:10	<p><b>TADPOLES BEHAVIOURAL BIOMARKERS AS USEFUL TOOLS FOR WETLANDS BIOMONITORING</b>  <u>Parra G.</u>, García-Muñoz E. and Guerrero F.</p>
17:10-17:30	<p><b>POTENTIAL USE OF <i>POTAMOPYRGUS ANTIPODARUM</i> TO ASSESS ENDOCRINE DISRUPTION IN LABORATORY AND FIELD STUDIES</b>  <u>Gust M.</u>, Buronfosse T. and Garric J.</p>
17:30-17:50	<p><b>COMET ASSAY AS A RELIABLE TOOL FOR GENOTOXIC EXPOSURE AND REPRODUCTIVE EFFECT ASSESSMENT IN <i>GAMMARUS FOSSARUM</i></b>  <u>Lacaze E.</u>, Geffard O., Garric J., Bony S. and Devaux A.</p>

## Monday August 31<sup>th</sup>

Session II.2 - BIOTOXINS

(Amphi 2) **Chairs:** Valérie Fessard and Ian Falconer

14:00-14:20	<p><b>DEVELOPMENT OF TOXIC FRESHWATER CYANOBACTERIA IN THE COURSE OF DECLINING NUTRIENT LOADS IN LAKES OF NORTHERN GERMANY.</b>  <u>Wiedner C.</u>, Rucker J., Fastner J., Chorus I. and Nixdorf B.</p>
14:20-14:40	<p><b>RISK ASSESSMENT OF TOXIGENIC CYANOBACTERIAL BLOOMS IN POLISH WATER BODIES</b>  <u>Mankiewicz-Boczek J.</u>, Izydorczyk K, Jurczak T., Gaęła I., Kokocinski M. and Stefaniak K.</p>
14:40-15:00	<p><b>CYCLIC CYANOPEPTIDES AND ITS ECOTOXICOLOGICAL CONSEQUENCES</b>  <u>Sedmak B.</u>, Frangez R. and Bubik A.</p>
15:00-15:20	<p><b><i>IN VITRO</i> AND <i>IN VIVO</i> GENOTOXICITY OF MICROCYSTIN-LR AND –RR USING THE MICRONUCLEUS AND THE COMET ASSAYS</b>  Gaudin J., Torche F., Huet S., Jarry G., Mourot A. and <u>Fessard V.</u></p>
15:20-16:30	<p>Coffee break and POSTER SESSION (EXHIBITION HALL)</p>
16:30-16:35	<p><b>FUNCTIONAL CELL-BASED ASSAYS AS A TOOL FOR RISK ASSESSMENT ASSOCIATED WITH PHYCO- AND CYANOTOXINS</b>  <u>Ledreux A.</u>, Krys S. and Bernard C.</p>
16:35-16:40	<p><b>GLOBAL QUANTITATIVE ANALYSIS OF PROTEIN PHOSPHORYLATION STATUS IN LIVER OF FISH EXPOSED TO THE CYANOTOXIN MICROCYSTIN</b>  <u>Malécot M.</u>, Mezhoud K., Praseuth D., Marie A., Puisieux-Dao S. and Edery M.</p>
16:40-17:00	<p><b>TOXICITY ON HACAT HUMAN SKIN KERATINOCYTES AND RTL-W1 FISH LIVER CELLS, CAUSED BY A MICROCYSTIN-CONTAINING BLOOM EXTRACT FROM THE MOROCCAN WATER RESERVOIR TAKERKOUST</b>  <u>Hernández M.</u>, El Ghazali I., Díaz A., Mateos B. and del Campo F.F.</p>
17:00-17:20	<p><b>LONG-TERM TRENDS AND SEASONAL PATTERNS OF CYANOBACTERIAL HEPATO- AND NEUROTOXINS IN GERMAN WATER BODIES</b>  <u>Fastner J.</u>, Rucker J., Wiedner C., Nixdorf B. and Chorus I.</p>
17:20-17:40	<p><b>FATE AND EFFECTS OF EMERGING ORGANIC CONTAMINANTS IN NON-TARGET SPECIES: A CASE STUDY WITH CYANOBACTERIUM <i>MICROCYSTIS AERUGINOSA</i></b>  <u>Stoichev T.</u>, Baptista M.S., Basto M.C.P., Vasconcelos V.M. and Vasconcelos M.T.S.D.</p>
17:40-18:00	<p><b>RETENTION AND DEGRADATION OF THE CYANOBACTERIAL TOXIN CYLINDROSPERMOPSIN IN WATER AND SEDIMENTS – THE ROLE OF SEDIMENT PRECONDITIONING AND DOM COMPOSITION</b>  <u>Klitzke S.</u>, Apelt S., Weiler C., Fastner J. and Chorus I.</p>

## Monday August 31<sup>th</sup>

Session II.3 - AQUATIC AND TERRESTRIAL TOXICOLOGY  
(Amphi 3) **Chairs:** Doris W.T. Au and Takashi Kusui

14:00-14:20	<p><b>MICROCOSM STUDIES FOR ECOTOXICOLOGICAL RISK ASSESSMENT OF SMELTING PLANT CONTAMINATED ENVIRONMENTS: TWO EXAMPLES IN THE NORTH OF FRANCE</b>  <u>Lemière S.</u>, Godet J.P., Tanguy M., Técher D., Leroux R., Vandebulcke F, Demuyck S., Grumiaux F., Delplace P. and Leprêtre A.</p>
14:20-14:40	<p><b>KINETICS OF MERCURY SUBCELLULAR FRACTIONATION IN <i>CHIRONOMUS RIPARIUS</i></b>  <u>Gimbert F.</u>, Ferrari B.J.D., Geffard A., Guéron S. and Dominik J</p>
14:40-15:00	<p><b>ASSESSING THE IMPACT OF LAUNDRY DETERGENT LINEAR ALKYL BENZENE SULFONATE ON MACROINVERTEBRATES IN A SMALL RURAL SOUTH AFRICAN RIVER</b>  <u>Gordon A.K.</u> and Muller W.J.</p>
15:00-15:20	<p><b>CHRONIC TOXICITY OF CHLORDANE TO <i>DAPHNIA MAGNA</i> AND <i>CERIODAPHNIA DUBIA</i>: A COMPARATIVE STUDY</b>  <u>Bessi H.</u>, Manar R. and Vasseur P.</p>
15:20-16:30	Coffee break and POSTER SESSION (EXHIBITION HALL)
16:30-16:35	<p><b>EFFECTS OF MULTIGENERATIONAL URANIUM EXPOSURE ON LIFE HISTORY AND ENERGY BUDGET OF <i>DAPHNIA MAGNA</i></b>  <u>Massarin S.</u>, Alonzo F., Dutilleul M., Gilbin R. and Poggiale J.C.</p>
16:35-16:40	<p><b>EFFECT OF ZINC SACRIFICIAL ANODES DEGRADATION ON HEMOCYTE ACTIVITIES OF THE PACIFIC OYSTERS, <i>Crassostrea gigas</i></b>  <u>Mottin E.</u>, Serpentine A., Caplat C., Mahaut M-L., Barillier D. and Lebel J-M.</p>
16:40-16:45	<p><b>GENOTOXIC IMPACT OF SPRING FLOOD ON FISH</b>  <u>Polard T.</u>, Jean S., Merlina G., Laplanche C., Gauthier L. and Pinelli E.</p>
16:45-16:50	<p><b>TOXICITY OF TRITIATED WATER ALONE AND IN MIXTURE WITH COPPER ON GREEN ALGAE (<i>CHLAMYDOMONAS REINHARDTII</i>)</b>  <u>Réty C.</u>, Gilbin R. and Gomez E.</p>
16:50-17:10	<p><b>HEXA VALENT CHROMIUM TOXICITY TEST FOR THE WHOLE LIFE OF THE MARINE HARPACTICOID COPEPOD <i>TIGRIOPUS JAPONICUS</i></b>  <u>Kikkawa T.</u>, Itoh Y., Tsuchida S., Takaku H. and Hori H.</p>
17:10-17:30	<p><b>GENOTOXICITY OF COKING PLANT SOILS IN THE EARTHWORM <i>EISENIA FETIDA</i></b>  <u>Bonnard M.</u>, Leyval C., Morel J.L., Grand C., Veber A.M. and Vasseur P.</p>
17:30-17:50	<p><b>EFFECT OF SODIUM HYPOCHLORITE ON HATCHING OF BROWN SOLE (<i>PLEURONECTES HERZENSTEINI</i>) EGGS</b>  <u>Omoto N.</u>, Murayama T., and Kawata Y.</p>
17:50-18:10	<p><b>UPTAKE OF PLATINUM GROUP ELEMENTS BY THE MARINE MICROALGA, <i>Chlorella stigmatophora</i>, AND THEIR TOXICOLOGICAL EFFECTS</b>  <u>Shams L.</u>, Turner A., Brown M. and Millward G.</p>

## Tuesday September 1<sup>st</sup>

Session III. - NANOMATERIALS, “OMICS”

(Plenary / Amphi Lemoigne) **Chairs:** Frank Atienzar and Stephen Klaine

08:30-09:10	<b>KEY ASPECTS IN ECOTOXICITY ASSESSMENT OF COLLOIDS AND NANOPARTICLES</b> <u>Klaine S.J.</u> , Edgington A., McNealy T., Ke P.C., Rao A., Seda B., Sun Y.P. ( <b>Invited lecture</b> )
09:10-09:50	<b>CAN “OMIC” DATA ASSIST IN ENVIRONMENTAL MONITORING AND RISK ASSESSMENT OF CHEMICALS AND PARTICLES?</b> Chipman J.K. ( <b>Invited lecture</b> )
09:50-10:20	<b>DNA CHIP TECHNOLOGY APPLIED TO AQUATIC ENVIRONMENT MONITORING</b> <u>Masson R.</u> , Loup B., Durand F., Bultelle F. and Danger J.M. ( <b>Invited lecture</b> )
10:20-10:50	Coffee break
10:50-11:10	<b>ECOTOXICITY OF DRUG NANO-FORMULATIONS (PAMAM-DENDRIMERS AND MINOCYCLINE)</b> Gagné F., <u>Blaise C.</u> , Auclair J. and Férard J.F. ( <b>Invited lecture</b> )
11:10-11:30	<b>EFFECTS OF PCB 153 AND ATRAZINE ON PROTEIN EXPRESSION IN MCF-7 HUMAN BREAST CANCER CELLS</b> Lasserre J.-P., <u>Gutleb A.C.</u> , Fack F., Revets D., Planchon S., Renaut J., Hoffmann L., Muller C. and Bohn T.
11:30-11:50	<b>TOXICITY OF SILVER NANOPARTICLE TO DENITRIFYING SOIL BACTERIA</b> Coutris C., Bakken L.R. and <u>Joner E.J.</u>
11:50-12:10	<b>THE RADIO-LABELING APPROACH TO STUDY THE BIODYNAMIC AND TOXICITY OF NANOPARTICLES IN AQUATIC ORGANISMS</b> <u>Pelletier E.</u> , Al-Sid-Cheikh M., Zuykov M. and Rouleau C.

## Tuesday September 1<sup>st</sup>

Session IV.1 - "OMICS"

(amphi 1) **Chairs:** Kevin J Chipman and Richard Masson

14:00-14:20	<p><b>THE USE OF TOXICOGENOMIC TOOLS FOR THE SELECTION OF THE BEST CANDIDATE COMPOUNDS IN THE PHARMACEUTICAL INDUSTRY</b>  <u>Atienzar F.</u>, Gerets H., Tilmant K., Depelchin O., Canning M. and Dhalluin S.</p>
14:20-14:40	<p><b>UTILITY OF ENVIRONMENTAL PROTEOMICS TO ASSESS POLLUTANT RESPONSE OF <i>CARCINUS MAENAS</i> ALONG THE TUNISIAN COAST</b>  Ghedira J., Chicano-Gálvez E., Fernández-Cisnal R., Banni M., López-Barea J., Boussetta H. and <u>Alhama J.</u></p>
14:40-15:00	<p><b>IDENTIFICATION AND ANALYSIS OF THE EXPRESSION PROFILES OF NEW BIOMARKER CANDIDATES IN <i>E. FETIDA</i>: A TRANSCRIPTOMIC APPROACH</b>  Brulle F., Cocquerelle C., Lemièrre S., Douay F. and <u>Vandenbulcke F.</u></p>
15:00-15:20	<p><b>THE EVOLUTION OF PB RESISTANCE BY FIELD EARTHWORM POPULATIONS: PHYLOGENETIC CONSEQUENCES AND ECOTOXICOLOGICAL TESTING IMPLICATIONS</b>  <u>Andre J.</u>, King R.A., Sturzenbaum S.R., Kille P. and Morgan A.J.</p>
15:20-16:30	<p>Coffee break and POSTER SESSION (EXHIBITION HALL)</p>
16:30-16:50	<p><b>NOVEL METHODS OF ASSESSING TOXICITY IN <i>DAPHNIA MAGNA</i>: APPLICATION OF FT-ICR MASS SPECTROMETRY BASED METABOLOMICS</b>  <u>Taylor N.S.</u>, Weber R.J.M., Southam A.D., Payne T.G., Hrydziuszko O. and Viant M.R.</p>
16:50-17:10	<p><b>PROTEOMICS IN ECOTOXICOLOGY: COMPARING <i>IN SITU</i> TO LABORATORY ASSAYS USING BENTHIC FISH FOR ECOLOGICAL RISK ASSESSMENT</b>  <u>Costa P.M.</u>, Chicano-Gálvez E., Caeiro S., Lobo J., Martins M., Ferreira A.M., Caetano M., Vale C., Alhama-Carmono J., Lopez-Barea J., DelValls A. and Costa M.H.</p>
17:10-17:30	<p><b>GENE EXPRESSION IN <i>DAPHNIA MAGNA</i>: EFFECTS OF ACUTE EXPOSURE TO TWO PESTICIDES.</b>  <u>Pereira J.L.</u>, Hill C.J., Sibly R.M., Bolshakov V., Gonçalves F., Heckmann L.-H. and Callaghan A.</p>
17:30-17:50	<p><b>GENETIC BASES OF ADAPTATION TO CALAMINE SOILS: IMPLICATIONS FOR PHYTOREMEDIATION</b>  <u>Frérot H.</u>, Pauwels M., Faucon M-P., Meyer C-L., Kostecka A., Decombeix I., Créach A., Verbruggen N., Willems G. and Saumitou-Laprade P.</p>

## Tuesday September 1<sup>st</sup>

### Session IV.2a - NANOMATERIALS

(Amphi 2) **Chairs:** Christian Blaise and Erik Joner

14:00-14:20	<b>BIOREACTIVITY OF CADMIUM TELLURIDE QUANTUM DOTS AND SUBLETHAL EFFECTS IN TROUT HEPATOCYTES</b> <u>Gagné F.</u> , Auclair J. and Blaise C.
14:20-14:40	<b>CELLULAR RESPONSES INDUCED BY CERIUM OXIDE NANOPARTICLES</b> <u>Horie M.</u> , Nishio K., Fujita K., Kato H., Nakamura A., Endoh S., Miyauchi A., Kinugasa S., Yamamoto K., Iwahashi H., Yoshida Y. and Nakanishi J.
14:40-15:00	<b>TiO<sub>2</sub> NANOPARTICLE INDUCES CYTOTOXICITY AND AFFECTS CATECHOLAMINE HOMEOSTASIS IN <i>TETRAHYMENA</i></b> <u>Ud-Daula A.</u> , Pfister G., <u>Lévy-Lopez W.</u> and Schramm K.-W.
15:00-16:30	<b>Coffee break and POSTER SESSION (EXHIBITION HALL)</b>
16:30-16:35	<b>ECOTOXICITY OF ALTERED TiO<sub>2</sub> NANOCOMPOSITE ON THE EARTHWORM, <i>EISENIA FETIDA</i></b> <u>Bigorgne E.</u> , Foucaud L., Rodius F., Labille J., Rose J., Falla J. and Nahmani J.
16:35-16:40	<b>VARIATION OF FISH TRAITS AND HEALTH STATUS ALONG A GRADIENT OF PESTICIDE POLLUTION IN A FRENCH RIVER BASIN</b> <u>Shinn C.</u> , Grenouillet G. and Lek S.
16:40-16:45	<b>EFFECTS OF MIXTURE OF PAH ON SURVIVAL AND DEVELOPMENT OF EMBRYOS AND LARVAE OF THE JAPANESE MEDAKA (<i>ORYZIAS LATIPES</i>)</b> <u>Vicquelin L.</u> , Leray-Forget J., Morin B., LeMénach K. Budzinski H. and Cachot J.

### Session IV.2b - MECHANISMS OF ACTION

(Amphi 2) **Chairs:** Christian Blaise and Erik Joner

16:45-17:05	<b>INVESTIGATION OF CARDIAC SYSTEM RESPONSE TO TOXIC EFFECT OF DIFFERENT Cu<sup>2+</sup> DOSES</b> <u>Kamardin N.N.</u> , Kuznetsova T.V. and Kholodkevich S.V.
17: 05-17:25	<b>DISCRIMINATING BETWEEN IMMUNE AND POLLUTION MEDIATED DNA DAMAGE IN MYA ARENARIA CLAM POPULATIONS</b> Gagné F., <u>Martín-Díaz M.L.</u> and Blaise C.
17:25-17:45	<b>WHY IS CHEMICAL SPECIATION IN CULTURE MEDIA STILL WIDELY IGNORED? THE CASE OF ANTIMONY AND BISMUTH BIOMETHYLATION STUDIES</b> <u>Filella M.</u>
17:45-18:05	<b>A COMPARISON OF THE MOLECULAR CYTOTOXIC MECHANISMS OF THALLOUS TL(I) AND THALLIC TL(III) CATIONS</b> <u>Pourahmad J.</u> , Eskandari M.R. and Daraei B.
18:05-18:25	<b>BIOACCUMULATION OF ORGANOTINS AND IMPOSEX INDUCTION IN ROCK SHELL <i>THAIS CLAVIGERA</i></b> <u>Koyama J.</u> , Takenouchi A., Nigaya S., Kokushi E. and Uno S.

## Tuesday September 1<sup>st</sup>

### Session IV.3 - HAZARD AND RISK ASSESSMENT

(Amphi 3) **Chairs:** Emilien Pelletier and Sébastien Lemière

14:00-14:20	<p><b>HAZARD ASSESSMENT OF SEDIMENT FROM A CONSTRUCTED WETLAND FOR TREATMENT OF LANDFILL LEACHATE</b>  <u>Waara S.</u>, Huerta Buitrago B., Ferrer Muñoz P., Ribé V., Larsson M. and Engwall M.</p>
14:20-14:40	<p><b>APPLICATION OF CHEMICAL AND ECOTOXICOLOGICAL TOOLS FOR AN INTEGRATIVE SEDIMENT EVALUATION: STUDIES AT THREE HARBOURS IN THE SPANISH ATLANTIC COAST</b>  <u>Belzunce-Segarra M.J.</u>, Franco J., Garmendia J.M., Larreta J., Menchaca I., Montero N. and Revilla M.</p>
14:40-15:00	<p><b>LESSONS FROM A TRANSPLANTATION OF ZEBRA MUSSELS IN A SMALL URBAN RIVER: AN INTEGRATED ECOTOXICOLOGICAL ASSESSMENT</b>  <u>Bourgeault A.</u>, Gourlay-Francé C., Vincent-Hubert F., Palais F., Geffard A., Biagianti-Risbourg S., Pain-Devin S. and Tusseau-Vuillemin M.-H.</p>
15:00-15:20	<p><b>DEVELOPING AN ITERATIVE PROCESS TO ASSESS AND MANAGE MULTIPLE STRESSORS AT THE REGIONAL SCALE OF SAGUENAY ST. LAWRENCE MARINE PARK, CANADA</b>  <u>Lemaire N.</u> and Pelletier É.</p>
15:20-16:30	<p><b>Coffee break and POSTER SESSION (EXHIBITION HALL)</b></p>
16:30-16:50	<p><b>TEMPORAL AND SPATIAL VARIATIONS OF SEAWATER GENOTOXICITY/ MUTAGENICITY AND MUSSEL DNA INTEGRITY ALONG THE ADRIATIC COAST, CROATIA: A LONG TERM STUDY - "PROJECT ADRIATIC" (1998-2007)</b>  <u>Hamer B.</u>, Jaksić Z., Vucelić V., Krča S., Smital T., Reifferscheid G. and Smolaka N.</p>
16:50-17:10	<p><b>MODELLING SOIL TO SNAIL METAL TRANSFER USING EDAPHIC PARAMETERS</b>  <u>Pauget B.</u>, Gimbert F., Coeurdassier M., Scheifler R., Douay F. and de Vaufleury A.</p>
17:10-17:30	<p><b>TOXICOLOGICAL RISK ASSESSMENT OF COSMETIC FORMULATIONS</b>  Mazzei J.L. and <u>Felzenszwalb I.</u></p>
17:30-17:50	<p><b>IMPACTS OF MINING ACTIVITIES ON ADJACENT AQUATIC COMMUNITIES: A CASE STUDY AT SOUTHEAST PORTUGAL</b>  <u>Lopes I.</u>, Martins N., Moreira-Santos M., Baird D.J., Soares A.M.V.M. and Ribeiro R.</p>

## Thursday September 3<sup>rd</sup>

Session V. - ENVIRONMENTAL CHEMISTRY, ENDOCRINE DISRUPTERS  
(Plenary/ Amphi Lemoigne) **Chairs:** Claude Casellas and Philippe Laval-Gilly

08:30-09:10	<b>PERSISTENT ORGANIC POLLUTANTS (POPS) AND ENVIRONMENTAL CHEMISTRY</b> <u>Holoubek I.</u> and Klanova J. ( <b>Invited lecture</b> )
09:10-09:50	<b>ENDOCRINE DISRUPTING EFFECTS IN BIVALVES</b> <u>Minier C.</u> , Rotchell J., Hill E., Monsinjon T. and Knigge T. ( <b>Invited lecture</b> )
09:50-10:10	<b>PASSIVE SAMPLERS FOR CHEMICAL SUBSTANCE MONITORING AND ASSOCIATED TOXICITY ASSESSMENT IN WATER</b> <u>Budzinski H.</u> , Soulier C., Tapie N., Vrana B. and Aït Aïssa S.
10:10-10:40	Coffee break
10:40-11:20	<b>AN AUTOMATED PHYSIOLOGICAL SCREEN FOR ENDOCRINE DISRUPTING CHEMICALS</b> <u>Demeneix B.A.</u> and Fini J.B. ( <b>Invited lecture</b> )
11:20-11:40	<b>MODELING THE ENDOCRINE DISRUPTION BEHAVIOR OF XENOBIOTICS</b> <u>Devillers J.</u>
11:40-12:00	<b>OCCURRENCE OF 92 PHARMACEUTICALS IN WASTEWATER AND THEIR ENVIRONMENTAL RISK ASSESSMENT</b> <u>Komori K.</u> , Harada A., Okayasu Y. and Suzuki Y.
12:00-12:20	<b>SPECIATION OF HEAVY METALS AND RESPONSE OF BIOSENSORS AND ECOTOXICITY TESTS</b> <u>Ivask A.</u> , Käkinen A., Bondarenko O., Kasemets K., Blinova I., Dubourguier H.C. and Kahru A.

## Thursday September 3<sup>rd</sup>

Session VI.1. - BIOASSAYS

(Amphi 1) **Chairs:** Gisela A. Umbuzeiro and Jean-François Férard

14:00-14:20	<p><b>MICROCALORIMETRY: A SENSITIVE END POINT IN SOIL TOXICITY TESTING</b>  <u>Feigl V.</u>, Gruiz K., Bagi A., Hajdu Cs. and Tolner M.</p>
14:20-14:40	<p><b>COMPARATIVE EVALUATION OF BIOLOGICAL AND CHEMICAL TOOLS FOR CHARACTERIZATION OF BIODEGRADATION IN SOIL</b>  <u>Molnár M.</u>, Gruiz K., Fenyvesi É., Nagy Zs., Illés G. and Kánnai P.</p>
14:40-15:00	<p><b>DEVELOPMENT OF DECISION TREES FOR HEAVY METALS IDENTIFICATION WITH AN ARRAY OF FIVE BACTERIAL STRAINS INCLUDED IN A BIOSENSOR</b>  <u>Jouanneau S.</u>, Durand M.-J., Capioux H., Charrier T., Courcoux P. and Thouand G.</p>
15:00-15:20	<p><b>PESTICIDES REGISTRATION PROCESS IN CILSS COUNTRIES</b>          Toe A.M.</p>
15:20-16:30	<p><b>Coffee break and POSTER SESSION (EXHIBITION HALL)</b></p>
16:30-16:35	<p><b>PROPOSAL OF SEWAGE SLUDGE HAZARD INDEX BASED ON BIOASSAYS</b>  <u>Matta M.E.M.</u> and Umbuzeiro G.A.</p>
16:35-16:40	<p><b>A NEW APPROACH TO PERFORM AN ALGAL SOLID PHASE TEST</b>  <u>Burga K.</u>, Charlatchka R., Devin S., Blaise C. and Férard J.-F.</p>
16:40-16:45	<p><b>EMBRYOTOXICITY TESTING OF PESTICIDES ON SNAIL EGGS</b>  <u>Druart C.</u>, Scheifler R., Millet M. and de Vaufleury A.</p>
16:45-17:05	<p><b>DO SHORT-TERM METHODS ACTUALLY REFLECT CHRONIC TOXICITY EFFECTS IN THE CLADOCERAN <i>Ceriodaphnia dubia</i>? A STUDY WITH THE REFERENCE TOXICANT HEXAVALENT CHROMIUM</b>  <u>Martínez-Jerónimo F.</u> and Martínez-Jerónimo L.</p>
17:05-17:25	<p><b>EFFECT OF CALCIUM AND MAGNESIUM ON MARINE ORGANISMS OF BIOASSAYS FOR ASSESSING STEEL-MAKING SLAG LEACHATE</b>  <u>Miki O.</u>, Kato T. and Kusui T.</p>
17:25-17:45	<p><b>SOLID-PHASE MICRONUCLEUS TEST FOR POLLUTED SOILS TOXICITY ASSESSMENT: INTERNATIONAL STANDARDIZATION EFFORTS</b>  <u>Foltête A.S.</u>, Cotelle S., Rast C. and Férard J.F.</p>
17:45-18:05	<p><b>UTILITY OF DELAYED FLUORESCENCE FOR RAPID ESTIMATION OF CHEMICAL TOXICITY ON GREEN ALGA</b>  <u>Katsumata M.</u>, Koike T., Kazumura K., Takeuchi A. and Sugaya Y.</p>

## Thursday September 3<sup>rd</sup>

### SESSION VI.2. - MICROBIOTESTS

(Amphi 2) **Chairs:** Guido Persoone and Halima Bessi

14:00-14:20	<p><b>SENSITIVITY AND PRECISION OF ACUTE <i>DAPHNIA MAGNA</i> TESTS PERFORMED WITH ORGANISMS FROM LABORATORY CULTURES OR HATCHED FROM DORMANT EGGS</b></p> <p><u>Persoone G.</u></p>
14:20-14:40	<p><b>MICROBIAL ASSAY FOR RISK ASSESSMENT (MARA) - AN INNOVATIVE DEVELOPMENT IN ENVIRONMENTAL TOXICITY ASSESSMENT AND MONITORING</b></p> <p><u>Wadhia K.</u> and Dando T.</p>
14:40-15:00	<p><b>COMPARISON OF DIFFERENT TESTING METHODS ON SEDIMENTS</b></p> <p>Toro K. and <u>Torokne A.</u></p>
15:00-15:20	<p><b>ASSESSMENT OF FLUOROQUINOLONES TOXICITY WITH APPLICATION TO LEMNA MINOR MICROBIOTEST</b></p> <p><u>Kolasińska J.</u>, Bielińska M. and Naęcz-Jawecki G.</p>
15:20-16:30	<p>Coffee break and POSTER SESSION (EXHIBITION HALL)</p>
16:30-16:35	<p><b>ECOTOXICOLOGICAL CHARACTERIZATION OF URBAN WET WEATHER EFFLUENTS (UWWE) FROM FRENCH AND HAITIAN SITES</b></p> <p><u>Angerville R.</u>, Bazin C., Emmanuel E. and Perrodin Y.</p>
16:35-16:40	<p><b>THE TOXICITY OF SELECTED SUNSCREENS TO <i>BRACHIONUS CALYCIFLORUS</i></b></p> <p><u>Szcześny Ł.</u>, Naęcz-Jawecki G. and Sawicki J.</p>
16:40-17:00	<p><b>APPLICATION OF MARA BIOTEST IN EVALUATION OF TOXICITY OF HUMAN AND VETERINARY ANTIBIOTICS</b></p> <p><u>Naęcz-Jawecki G.</u>, Zachwieja E. and Sawicki J.</p>
17:00-17:20	<p><b>LUMIMARA: MULTISPECIES BIOLUMINESCENT TOXICITY TESTING DEVICE</b></p> <p><u>Kumar Y.</u>, Wadhia K. and Green P.</p>

## Thursday September 3<sup>rd</sup>

Session VI.3. - APPROACHES FOR ENVIRONMENTAL ASSESSMENT / ANALYSIS & RECOVERY

(Amphi 3). **Chairs:** Jeanne Garric and Peter D. Hansen

14:00-14:20	<p><b>USE OF POLLUTION-INDUCED COMMUNITY-TOLERANCE (PICT) APPROACH BASED ON RIVER BIOFILMS FOR ASSESSING ENVIRONMENTAL TOXICANT IMPACT AND REMEDIATION</b>  <u>Montuelle B.</u>, Dorigo U., Bouchez A., Pesce S., Tlili A., Margoum C., Coquery M., Villeneuve A. and Bérard A.</p>
14:20-14:40	<p><b>MULTICRITERIA COMPARISON OF ECOTOXICITY METHODS WITH FOCUS ON PESTICIDE APPLICATION STRATEGIES</b>  <u>Hayer F.</u>, Bockstaller C., Gaillard G., Kägi T., Mamy L. and Strassemeier J.</p>
14:40-15:00	<p><b>ENTROPY-BASED ANALYSIS FOR DETECTING BEHAVIORAL RESPONSE OF JAPANESE MEDAKA (<i>ORIZIAS LATIPES</i>) TO DIFFERENT TOXICANTS</b>  <u>Fukuda S.</u>, Kang I.J., Moroishi J. and Nakamura A.</p>
15:00-15:20	<p><b>PREDICTION OF SENSITIVITY USING MOLECULAR CHARACTERS</b>  <u>Guénard G.</u>, de Zwart D., von der Ohe P.C. and Lek S. (<i>abstract p. 143</i>)</p>
15:20-16:30	<p><b>Coffee break and POSTER SESSION (EXHIBITION HALL)</b></p>
16:30-16:35	<p><b>SUPRAMAXIMAL EFFECT (SPMX) IN ESTROGENICITY – <i>IN VITRO</i> METHODS</b>  Montañaño M., van den Berg J.H.J. and Murk A.J.</p>
16:35-16:40	<p><b>ERYTHROMYCIN TIME-KILL ACTIVITY ON ACTIVATED SLUDGE</b>  <u>Louvet J.N.</u>, Heluin Y., Potier O. and Pons M.N.</p>
16:40-17:00	<p><b>LIFE CYCLE ASSESSMENT APPLICATION TO WASTE RECYCLED AGGREGATES IN KOREA</b>  Chun H.P., Lee J.Y., Kim Y.S., Bang K-M. and <u>Chon H-T.</u></p>
17:00-17:20	<p><b>RELATIVE IMPACT OF PAHs ON LICHEN DIVERSITY IN A MULTIPOLLUTANT ENVIRONMENT</b>  <u>Augusto S.</u>, Pinho, P., Máguas C. and Branquinho C.</p>
17:20-17:40	<p><b>HYDRAULIC VERSUS TOXIC EFFECTS IN BIOFILM IN EXPERIMENTAL STREAMS</b>  <u>Bouchez A.</u>, Villeneuve A. and Montuelle B. (<i>abstract p. 138</i>)</p>

## Friday September 4<sup>th</sup>

Session VII. - EMERGING POLLUTANTS AND NEW APPROACHES FOR ECOTOXICOLOGY  
(Plenary/Amphi Lemoigne) **Chairs:** Angela Ivask and James Devillers

08:30-08:50	<p><b>KNOWLEDGE EVALUATION METHOD FOR ENVIRONMENTAL HEALTH PROBLEMS: EXAMPLE FOR PHTHALATES</b>  <u>Gutleb A.C.</u>, Zimmer K.E., Ravnum S., Lyche J.L., Ropstad E., Eriksen G.S., Kreyer von Kraus M., Keune H. and Bartonova A.</p>
08:50-09:10	<p><b>BIOMONITORING ORGANIC CONTAMINATION BY ESTROGENIC COMPOUNDS IN COASTAL ENVIRONMENT USING BIOASSAYS</b>  David A., Fenet H., Escande A., Munaron M., <u>Casellas C.</u> and Gomez E.</p>
09:10-09:30	<p><b>GESTAGENS EXPOSURE AND HAZARD ASSESSMENT FOR THE AQUATIC ENVIRONMENT</b>  Besse J.P. and <u>Garric J.</u></p>
09:30-10:10	<p><b>THE USE OF MOSSAMBICUS TILAPIA (<i>OREOCHROMIS MOSSAMBICUS</i>) JUVENILES AS BIO-INDICATORS FOR ENVIRONMENTAL ESTROGENICITY</b>  <u>Pool E.J.</u>, Swart J.C. and Van Wyk J.H.</p>
10:10-10:40	<b>Coffee break</b>
10:40-11:00	<p><b>SUITABLE BATTERY OF BIOASSAYS FOR ASSESSING THE USE OF STEELMAKINGSLAG IN COASTAL WATERS</b>  <u>Kusui T.</u>, Kato T. and Miki O.</p>
11:00-11:20	<p><b>THE SEAWATER MEDAKA <i>ORYZIAS MELASTIGMA</i> – A MARINE FISH MODEL FOR ECOTOXICOLOGY AND MOLECULAR TOXICOLOGY</b>  <u>Au D.W.T.</u></p>
11:20-11:40	<p><b>ECOTOXICOLOGY, LANDSCAPE PLANNING AND URBAN ECOSYSTEMS</b>  <u>Hansen P.-D.</u></p>
11:40-12:00	<p><b>EFFECT OF 5-FLUOROURACIL IN AQUATIC MICROORGANISMS AND ITS BIOGENETIC TRANSFER INTO CILIATE PROTOZOAN</b>  Ud-Daula A., Pfister G. and <u>Schramm K.-W.</u></p>

Session VIII. (14h-17h) – POSTER SYNTHESIS / AWARDS

14:00-15:00	Synthesis of posters
15:00-15:30	<b>Coffee break</b>
15:30-17:00	Awards (junior and senior oral communications, posters)
17:30	Close of ISTA14