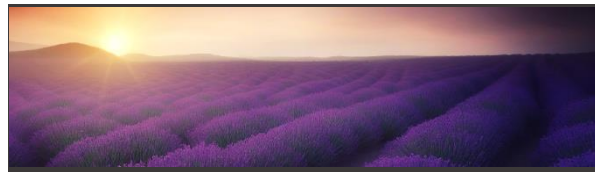




## SCIENTIFIC PROGRAMME

APRIL 27



### *Session I* **A new era for Toxicology: All sciences interlinked**

Chair: **Filipa Grosso** (UCIBIO-FFUP), **Nuno Vieira e Brito** (TOXRUN-IUCS), **Vítor Seabra** (TOXRUN-IUCS)

- 09h00** *Opening Session* | **Ricardo Dinis-Oliveira, Cláudia Ribeiro, Diana Dias da Silva, Ana Raquel Freitas & Vítor Seabra**, TOXRUN Management Board
- 09h30** *Keynote session:* The One Health concept under the perspective of a toxicologist. | **Félix Carvalho**, UCIBIO-Unidade de Ciências Biomoleculares Aplicadas, Faculdade de Farmácia da Universidade do Porto
- 10h15** A century of research on environmental carcinogens: From legacy to emerging pollutants. | **Pedro M. Costa**, UCIBIO-Unidade de Ciências Biomoleculares Aplicadas, Faculdade de Ciências e Tecnologia - Nova, Lisboa
- 10h45** *Coffee break & Poster viewing*
- 11h15** Microbiome intra-host evolution in health and disease. | **Isabel Gordo**, Instituto Gulbenkian de Ciência, Lisboa
- 11h45** Animal production: challenges of being a black sheep. | **Luís Pinho**, ICBAS-Instituto de Ciências Biomédicas Abel Salazar, Porto; SVA-Serviços Veterinários Associados, Porto
- 12h30** *Lunch*



### *Session II* **Mind and body: Triggers for the onset of disease**

Chair: **Inês Pádua** (TOXRUN-IUCS), **Helena Carmo** (UCIBIO-FFUP), **Hassan Bousbaa** (UNIPRO-IUCS)

- 14h00** Cognitive enhancement in aging and neurodegeneration: a molecular mechanism turning an environmental pollutant into a critical brain mediator. | **João Laranjinha**, Faculdade de Farmácia da Universidade de Coimbra
- 14h30** Iodine intake and cognitive functioning in Portuguese school-age children. | **Irene Carvalho**, Faculdade de Medicina da Universidade do Porto
- 15h00** What is needed for allergic children? The one health approach. | **André Moreira**, Faculdade de Medicina da Universidade do Porto, Instituto de Saúde Pública da Universidade do Porto
- 15h45** *Coffee break & Poster viewing*
- 16h15** *Presentation of selected oral communications (Sessions I and II)*
- CO 01** | Dynamics and effects of plastic contaminants' assimilation in gulls. **Sara Veríssimo**, MARE-Universidade de Coimbra
- CO 02** | Dietary replacement of fishmeal with polychaete meal (*Alitta virens*) impacts European seabass acute stress response. **Rafaella Costa**, CIIMAR
- CO 03** | Insights into the phylogeny, resistome, virulome and host adaptation from *Gardnerella* genome analysis. **Pedro Teixeira**, UCIBIO – Applied Molecular Biosciences Unit, Department of Biological Sciences, Faculty of Pharmacy, University of Porto)
- CO 04** | Novel insights into healthy humans' faecal carriage of enterococci: *Enterococcus lactis* is as a dominant highly bacteriocinogenic species. **Ana Cristina Santos**, Faculdade de Farmácia da Universidade do Porto
- CO 05** | The unknown acute toxicity of the antibiotic Sulfamethoxazole. **Bárbara Diogo**, ICBAS, CIIMAR, FCUP
- CO 06** | The AHR: from a xenobiotic sensor to a Pattern Recognition Receptor, playing a role in immunity to infection and drug-therapy. **Pedro Alves**, CIIMAR
- CO 07** | Cardiac mitochondrial dynamics, autophagy and regeneration are stirred by doxorubicin in old CD-1 mice. **Sofia Brandão**, Faculdade de Farmácia da Universidade do Porto
- CO 08** | Nutrition and food safety & sustainability. **Nuno Vieira e Brito**, TOXRUN
- 18h00** *Closing of the first day*



**APRIL 28**

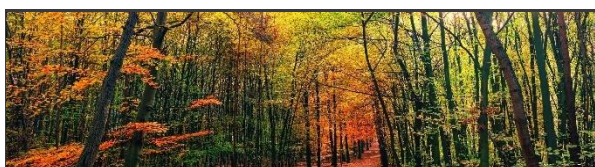


### *Session III*

## **Environmental risk assessment and climate changes: New challenges**

*Chair: Cristina Couto (TOXRUN-IUCS), João Carrola (CITAB-UTAD), José Carlos Andrade (TOXRUN-IUCS)*

- 09h00** Environmental pollution and the success of antibiotic resistant bacteria. | **Célia Manaia**, Universidade Católica Portuguesa
- 09h30** Portugal at the crossroads of climate change: projections and threat to the sustainability of water resources. | **João Andrade dos Santos**, CITAB-Centro de Investigação e Tecnologias Agroambientais e Biológicas, Universidade de Trás-os-Montes e Alto Douro
- 10h00** Assessment of water treatments and conservation of aquatic ecosystems for environmental and human well-being. | **Laura Guimarães**, CIIMAR-Centro Interdisciplinar de Investigação Marinha e Ambiental
- 10h45** *Coffee break & Poster viewing*
- 11h15** Microplastics in the environment - sources, fates and effects. | **João Costa**, CESAM-Centro de Estudos do Ambiente e do Mar, Universidade de Aveiro
- 11h45** *Presentation of selected oral communications*
- CO 09** | Fighting occupational risks among Portuguese Wildland Firefighters: Looking at cytogenetic effects. **Filipa Esteves**, University of Porto
- CO 10** | Hedgehogs (*Erinaceus Europaeus*) as bioindicators of heavy metal(loid) pollution. **Catarina J. Baptista**, Universidade de Trás-os-Montes e Alto Douro
- CO 11** | Seabirds as bioindicators of anthropogenic and chemical pollution. **Diana Matos**, Universidade de Coimbra
- CO 12** | Bioinsecticide SPINTOR®: detrimental effects on earthworms *Eisenia fetida* at different levels of biological organization. **Alexandre Moreira**, ICBAS/CIIMAR
- CO 13** | Occurrence of microplastics in water, feed, and tissues of European seabass produced in recirculating aquaculture system (RAS). **Ricardo Matias**, ICBAS/CIIMAR
- 12h45** *Lunch*



### *Session IV*

## **Psychoactive substances: New trends in misuse, monitoring and health impact**

*Chair: Vânia Vilas Boas (INL), Carolina Pereira (TOXRUN), Joaquim Monteiro (TOXRUN)*

- 14h00** The impact of analytical techniques and methodologies in Forensic Toxicology. | **Pedro Costa**, Instituto Nacional de Medicina Legal e Ciências Forenses, Porto
- 14h30** Drug checking as a monitoring tool: an European perspective. | **Daniel Martins**, Kosmicare, TEDI - Trans European Drug Information
- 15h00** Impact of psychoactive substances in the neuroimmune crosstalk. | **Teresa Summavielle**, I3S - Instituto de Investigação e Inovação em Saúde
- 15h45** *Coffee break & Poster viewing*
- 16h15** Special Invited Talk: Functional improvement in MS patients through changes in lipid profile after EGCG and coconut oil treatment. | **Jose Orti**, UCV - Universidad Católica de Valencia
- 16h35** *Presentation of selected oral communications*
- CO 14** | In vitro permeability of MDPV across Caco-2 cells for assessment of intestinal absorption and enantioselectivity. **Ana Sofia Almeida**, Faculdade de Farmácia da Universidade do Porto
- CO 15** | The influence of glutathione pathway modulators on the cytotoxicity of sunitinib, doxorubicin and bortezomib in AC16 cardiac cells. **Cláudia Oliveira**, Faculdade de Farmácia da Universidade do Porto



**CO 16** | Comparative Analysis of the Toxicity Profile of Eleven Consumer-Relevant Nanomaterials in Human Intestinal and Placental Barrier Cells. **Joana Pires**, Instituto Nacional de Saúde Dr. Ricardo Jorge, Porto

**CO 17** | 4-Chloroethcathinone (4-CEC) in a single binge exposure triggers immediate and long sustained cognitive dysfunction in mice. **Cristina de Mello Sampayo**, iMed.Ulisboa

**CO 18** | Inhibitory activity of psilocybin/psilocin towards the enzymes of the cytochrome P450 (CYP450): An in vitro evaluation. **Andreia Brito da Costa**, TOXRUN

**CO 19** | Drug poisoning profile in Portugal: a special focus on antipsychotics. **André RTS Araújo**, Research Unit for Inland Development (UDI), Polytechnic Institute of Guarda; TOXRUN; LAQV, REQUIMTE, Department of Chemical Sciences, Faculty of Pharmacy, University of Porto, Porto

**CO 20** | Acute toxicity screening of 4-chloroaniline in freshwater standard species. **Daniela Fonseca Costa Rebelo**, FICBAS/FCUP/CIIMAR

**18h20** *Awards Presentation and Closing Ceremony* | **Ricardo Dinis-Oliveira**, **Cláudia Ribeiro**, **Diana Dias da Silva**, **Ana Raquel Freitas & Vítor Seabra**, TOXRUN Management Board

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