9h00 – 9h10: Welcome. Denis SERVENT (SFET President)

9h10 – 12h30  
**Session 1 | Ecology, Diversity and Biosynthesis**

9h10 – 9h40: Kaarina SIVONEN (Department of Food and Environmental Sciences, University of Helsinki, Finland)  
Cyanobacterial Toxins and Bioactive Compounds

9h40 – 10h00: Katrin KITTLER (Federal Institute for Materials Research and Testing, Germany)  
The Mystery of the Metabolic Activation of cylindrospermopsin. To be confirmed.

10h00 – 10h30: Vitor VASCONCELOS (Laboratory of Ecotoxicology, Genomics and Evolution, Portugal)  
Ecotoxicology of Cyanobacterial Toxins: is there a trend?

10h30 – 10h50: John A. AASEN BUNAES (School of Vet. Science. Dpt of Food Safety & Infection Biology, Oslo, Norway)  
Uptake of AZAs in Minipigs, Toxicological Evaluation

10h50 – 11h20: Coffee break & Posters

11h20 – 11h40: Philipp HESS (Ifremer, Laboratoire Phycotoxines, Nantes, France)  
GdR PHYCOTOX : an Interdisciplinary Research Network on Toxic Algae, their Toxins & Effects on Ecosystem and Society

11h40 – 12h10: Daniel SHER (School of Marine Sciences, University of Haifa, Israel)  
Comparison of the Nematocyst Content from a Jellyfish, a Sea Anemone and a Hydra Reveals Core and Flexible Components of the Secreted Venom

12h10 – 12h30: Ricardo C. Rodriguez DE LA VEGA (Lab. d’Ecologie, Systématique et Evolution, Université Paris-Sud, France)  
All Paths Lead to Rome: Evolutionary Convergence and Divergence of K⁺ Channel Blocking Toxins

12h45 – 15h00: Lunch & Posters

15h00 – 17h10  
**Session 2 | Genomic, Transcriptomic, Proteomic and Analysis**

15h00 – 15h30: Muriel GUGGER (Collection des cyanobactéries, Institut Pasteur Paris, France)  
Toxins and Other Secondary Metabolites Potential in the Cyanobacterial Phylum

15h30 – 15h50: Annick MÉJEAN (Biochemistry, ENSCP, Paris, France)  
Biosynthesis of the Cyanobacterial Neurotoxins Anatoxin-a and Homoanatoxin-a: from the Genome to the Metabolites

15h50 – 16h20: Sébastien DUTERTRE (Institute for Molecular Biosciences, University of Queensland, Australia)  
The Messiness of Cone Snail Venom Evolution

16h20 – 16h50: Loïc QUINTON (Faculté des sciences, Université de Liège, Belgium)  
Attribution of Cystein’s Connectivities in the Conotoxins: New Prospects Based on Partial Oxidation/Reduction Experiments and Ion-Mobility Mass Spectrometry

17h00 – 18h30: General Assembly of the SFET (SFET members)
### Session 2 | Genomic, Transcriptomic, Proteomic and Analysis

**9h00** - **9h20**: Damien REVEILLON (Ifremer, Laboratoire Phycotoxines, Nantes, France)  
Beta-N-methylamino-L-alanine (BMAA): Optimization of Identification and Quantification in Biological Samples

**9h20** - **9h40**: Zita ZENDONG (Ifremer, Laboratoire Phycotoxines, Nantes, France)  
Extended Evaluation of Mixed-mode and Lipophilic Sorbents for Passive Sampling of Marine Toxins

**9h40** - **10h00**: Ronald MAUL (Department of Quality. Leibniz, Großbeeren, Germany)  
Enhanced LC-MS/MS-Analysis of Cylindrospermopsin in Plant and Freshwater Matrices Using the Stable Isotope Dilution Assay

**10h00** - **10h20**: Fernando M. RUBIO (Abraxis LLC, Warminster, USA)  
Development and Validation of a Colorimetric Microtiter Plate Based Receptor-Binding Assays for the Determination of Fresh Water and Marine Toxins Using the Nicotinic Cholinergic Receptor

### Session 3 | Mode of action and Pharmacology

**10h20** - **10h50**: Jan TYTGAT (Toxicology and Pharmacology, University of Leuven, Belgium)  
Sea Anemone Toxins: from Lab Bench Discovery to Commercial Drugs?

**10h50** - **11h10**: Steve PEIGNEUR (Toxicology and Pharmacology, University of Leuven, Belgium)  
When Cone Snails and Spiders meet: Design of Selective and Potent Sodium Channel Inhibitors

**11h10** - **11h40**: Coffee break & Posters

**11h40** - **12h00**: Eline K. M. LEBBE (Toxicology and Pharmacology, University of Leuven, Belgium)  
Structure-Function Elucidation of a new α-conotoxin, Lo1a, from *Conus longurionis*

**12h00** - **12h30**: Katharina ZIMMERMANN (Pathophysiology, University Erlangen-Nuremberg, Germany)  
How Sodium Channel Activator Ciguatoxins cause Buring Pain from Cooling

**12h30** - **12h50**: César MATTÉI (Récepteurs et canaux ioniques, Université d’Angers, France)  
Current Knowledge on Ciguatoxins Mode of Action

**13h00** - **15h00**: Lunch & Posters

**15h00** - **15h30**: Yves BOURNE (AFMB, Université de Marseille, France)  
Diversity in the Binding Interactions of Marine Toxins to AChBP, the Soluble nAChR Surrogate

**15h30** - **16h05**: Jane KILCOYNE (Marine Institute, Rinville, Oranmore, Co. Galway, Ireland)  
Isolation of Minor and Novel Azaspiracids – Structure Elucidation and Toxicology

**15h50** - **16h10**: Jennifer GERAGHTY (Marine Institute, Rinville, Oranmore, Co. Galway, Ireland)  
*In vivo* Study of Azaspiracids in Mini Pigs

### Session 4 | Miscellaneous

**16h10** - **16h30**: Daniel LADANT (Biochimie des Interactions Macromoléculaires, CNRS UMR 3528. Institut Pasteur)  
Voltage- and Calcium-Dependent Translocation of * Bordetella pertussis* Adenylate Cyclase (CyaA) Toxin across a Tethered Lipid Bilayer

**16h30** - **16h50**: Grazyna FAURE (Institut Pasteur, Unité Récepteurs-Canaux, Paris)  
GLIC, a Proton-Gated Ion Channel from *Gloeobacter violaceus* as a New Target for Phospholipase A2

**16h50** - **17h10**: Rym BENKHALIFA (Lab. des Venins et Molécules Thérapeutiques, Institut Pasteur de Tunis, Tunisia)  
A Novel Toxin Variant from the *Androctonus australis hector* Scorpion Venom Selectively Activates Kv7.4 Channel

**17h15**: Closure. Denis SERVENT (SFET President)