

# PROGRAMME AT-A-GLANCE

<b>SEPT 16<sup>TH</sup></b>	<b>15.00-18.00</b>	REGISTRATION
	<b>18.00</b>	OPENING CEREMONY
	<b>18.30</b>	OPENING LECTURE
<b>SEPT 17<sup>TH</sup></b>	<b>09.00 – 13.10</b>	ISOLATION & STRUCTURE ELUCIDATION <i>Chairmen: Marie-Lise Bourguet-Kondracki and Vassilios Roussis</i>
	<b>15.00 – 17.20</b>	ORGANIC SYNTHESIS <i>Chairman: Manuel Norte</i>
	<b>17.30 – 19.00</b>	POSTER SESSION I      GREEN POSTERS 1-49
<b>SEPT 18<sup>TH</sup></b>	<b>09.00 – 11.10</b>	MOLECULAR SCIENCE & BIOSYNTHESIS <i>Chairman: Gabriele König</i>
	<b>11.40 – 13.10</b>	CHEMICAL ECOLOGY <i>Chairman: Cécile Debitus</i>
	<b>15.00 – 16.50</b>	CHEMICAL ECOLOGY <i>Chairman: Adrianna Ianora</i>
	<b>17.30 – 19.00</b>	POSTER SESSION II      BLUE POSTERS 50-103
<b>SEPT 19<sup>TH</sup></b>	<b>18.00</b>	NPR AWARD LECTURE
	<b>19.00 – 21.00</b>	POSTER PARADE <i>Chairman: Joseph Pawlik</i>
<b>SEPT 20<sup>TH</sup></b>	<b>9.00 – 13.00</b>	BIOPROSPECTING <i>Chairmen: Rob Capon and Ted Molinski</i>
	<b>15.00 – 17.20</b>	MARINE TOXINS <i>Chairman: John Blunt</i>
<b>SEPT 21<sup>ST</sup></b>	<b>9.00 – 10.20</b>	NEW PERCEPTIONS <i>Chairman: Ernesto Fattorusso</i>
	<b>10.20</b>	CLOSING LECTURE
	<b>11.00 – 12.00</b>	CLOSING REMARKS

# 5<sup>TH</sup> ECMNP SCIENTIFIC PROGRAMME

## SEPTEMBER 16<sup>TH</sup>

15.00-18.00

REGISTRATION

18.00

OPENING CEREMONY

18.30 **BILL FENICAL**

OPENING LECTURE: NEW ANTITUMOR ANTIBIOTICS FROM DEEP OCEAN BACTERIA

## SEPTEMBER 17<sup>TH</sup>

*MORNING SESSION: ISOLATION & STRUCTURE ELUCIDATION*

*CHAIRMAN: MARIE-LISE BOURGUET-KONDRACKI*

09.00 **GRAZIANO  
GUELLA**

EXPERIMENTS AND THEORY IN THE STRUCTURAL DETERMINATION OF ARSENIC-CONTAINING NATURAL PRODUCTS

09.30 **RÉMI LAVILLE**

PACHYCHALINES A, B, C: ISOLATION OF A NEW FAMILY OF 3-ALKYLPYRIDINIUMS FROM THE CARIBBEAN MARINE SPONGE *PACHYCHALINA* SP

09.50 **HARTMUT  
LAATSCH**

NITRO COMPOUNDS FROM ARCTIC ICE BACTERIA AND OTHER SOURCES: METABOLIC VARIETY WITH UNUSUAL STRUCTURES

10.10 **JÉRÔME  
APPENZELLER**

NEW NONBROMINATED PYRROLE-2 AMINOIMIDAZOLES ALKALOIDS FROM *AGELAS* CF *MAURITIANA* PACIFIC SPONGE

10.30 **MICHÈLE R.  
PRINSEP**

RECENT STUDIES ON ALKALOIDS FROM NEW ZEALAND MARINE BRYOZOANS

10.50 **GÉRALD CULIOLI**

PHYTOCHEMICAL STUDIES OF BROWN ALGAE BELONGING TO THE CYSTOSEIRACEAE FAMILY

11.10

COFFEE BREAK

*CHAIRMAN: VASSILIOS ROUSSIS*

11.40 **JUN'ICHI  
KOBAYASHI**

CHEMICAL BIOLOGY OF OKINAWAN MARINE NATURAL PRODUCTS

12.10 **ALFONSO  
MANGONI**

SIMPLEXIDE REVISITED AND OTHER GLYCOLIPID STORIES

12.30 **YUE-WEI GUO**

BIOACTIVE NATURAL PRODUCTS FROM CHINESE TROPICAL MARINE INVERTEBRATES AND PLANTS

12.50 **ALI MUHAMMAD  
SHAIQ**

DITERPENOIDS FROM MARINE BROWN ALGA *DICTYOTA DICHOTOMA* COLLECTED FROM KARACHI COASTS OF ARABIAN SEA (PAKISTAN)

13.30

LUNCH

AFTERNOON SESSION: ORGANIC SYNTHESIS

CHAIRMAN: MANUEL NORTE

15.00	<b>ALI AL-MOURABIT</b>	MARINE PYRROLE-2-AMINOIMIDAZOLE METABOLITES : FROM THE BIOMIMETIC SYNTHESIS TO THE IMPORTANT CHEMILUMINESCENT DIKETOPIPERAZINES
15.30	<b>DIRK TRAUNER</b>	MAPPING THE CHEMISTRY OF HIGHLY UNSATURATED POLYKETIDES
16.00	<b>CARLOS JIMÉNEZ</b>	CHEMICAL STUDIES OF VANCHROBACTIN, A SIDEROPHORE ISOLATED FROM THE BACTERIAL FISH PATHOGEN <i>VIBRIO ANGUILLARUM</i> SEROTYPE O2: CHARACTERIZATION OF ITS FERRIC/GALLIUM COMPLEXES AND SYNTHESIS OF SEVERAL ANALOGUES
16.20	<b>THOMAS LINDEL</b>	BIOMIMETIC SYNTHESIS OF FLUSTRAMINE C: ORIGIN OF THE INVERSE 3-PRENYLATION
16.40	<b>TED MOLINSKI</b>	SYNTHESIS-AIDED STRUCTURAL ASSIGNMENT OF NITROGENOUS MARINE NATURAL PRODUCTS
17.00	<b>INES BRUNO</b>	TOWARDS THE DISCOVER OF A NEW CLASS OF SYNTHETIC PLA <sub>2</sub> INHIBITORS BASED ON $\gamma$ -HYDROXYBUTENOLIDE SCAFFOLD
17.30 – 19.00		POSTER SESSION GREEN - POSTERS 1-50 PUB SNACK

**SEPTEMBER 18<sup>TH</sup>**

MORNING SESSION A: MOLECULAR SCIENCE & BIOSYNTHESIS

CHAIRMAN: GABRIELE KÖNIG

09.00	<b>RUSSELL HILL</b>	BACTERIAL SYMBIONTS OF MARINE INVERTEBRATES ARE AN IMPORTANT RESOURCE FOR DRUG DISCOVERY
09.30	<b>ARIEL KUSHMARO</b>	A GLIMPSE AT THE “UNCULTURED” MICROBIAL MAJORITY- FROM IDENTIFICATION TO DOMESTICATION
09.50	<b>ADELE CUTIGNANO</b>	POLYKETIDE BIOSYNTHESIS IN MEDITERRANEAN OPISTHOBRANCHS: FURTHER STEPS TOWARDS THE CHARACTERIZATION OF PKS ASSEMBLY IN MARINE MOLLUSCS
10.10	<b>KATJA MARIA FISCH</b>	SEARCH OF POLYKETIDE GENE CLUSTERS IN SPONGE METAGENOMES
10.30	<b>PIERANGELO LUPORINI</b>	COLD-ADAPTED WATER-BORNE SIGNAL (PHEROMONE) PROTEINS FROM AN ANTARCTIC MICRO-EUKARYOTE, THE CILIATE <i>EUPLOTES NOBILII</i>
10.50	<b>MATTHIAS KÖCK</b>	MASSADINE CHLORIDE: A BIOSYNTHETIC PRECURSOR OF MASSADINE AND STYLISSADINE
11.10		COFFEE BREAK

MORNING SESSION B: CHEMICAL ECOLOGY

CHAIRMAN: CÉCILE DEBITUS

11.40	<b>ALLAN CEMBELLA</b>	CHEMICAL ECOLOGY OF DINOFLAGELLATE INTERACTIONS IN THE SEA: PHARMACOLOGY DOES NOT FOLLOW FUNCTION
12.10	<b>GEORG POHNERT</b>	YOU ARE WHAT YOU EAT? FOOD QUALITY CONSEQUENCES OF RAPID LIPID METABOLISM OF DIATOMS
12.30	<b>GIOVANNA ROMANO</b>	LOX-INDUCED LIPID PEROXIDATION AS MECHANISM RESPONSIBLE FOR THE DETRIMENTAL EFFECT OF MARINE DIATOMS ON ZOOPLANKTON GRAZERS

12.50 **JONATHAN SPENCER** STEREOCHEMICAL UNIFORMITY IN MARINE POLYETHER LADDERS – IMPLICATIONS FOR THE BIOSYNTHESIS AND STRUCTURE OF MAITOTOXIN

13.30 LUNCH

*AFTERNOON SESSION: CHEMICAL ECOLOGY*

*CHAIRMAN: ADRIANNA IANORA*

15.00 **JULIA KUBANEK** CHEMICALLY-MEDIATED INTERACTIONS AMONG MARINE COMPETITORS, HOSTS, AND PATHOGENS

15.30 **CONXITA AVILA** ANTARCTIC MARINE CHEMICAL ECOLOGY: WHAT HAS BEEN DONE AND WHAT'S NEXT?

15.50 **JOSEPH R. PAWLIK** TESTING AN HYPOTHESIS ON SPONGE CHEMICAL DEFENSES USING THE WRECK OF THE *USS SPEIGEL GROVE*

16.10 **ERNESTO MOLLO** THE CONTRIBUTION OF CHEMICAL ECOLOGY TO AN UNDERSTANDING OF FUNCTIONAL MORPHOLOGY AND EVOLUTION

16.30 **OLIVIER THOMAS** SPONGE CHEMICAL DEFENCES IN STRESS CONDITIONS: THE CASE STUDY OF THE LAST DISEASE OUTBREAK OBSERVED IN THE NW MEDITERRANEAN

17.30 – 19.00 POSTER SESSION BLUE - POSTERS 51-103  
PUB SNACK

## SEPTEMBER 19<sup>TH</sup>

18.00 **TAN REN XIANG** NPR 2007 AWARD LECTURE: METABOLITES OF MARINE AND TERRESTRIAL SYMBIONTS

*POSTER PARADE SESSION*

*CHAIRMAN: JOSEPH PAWLIK*

19.00-21.00 POSTER PARADE  
PIZZA A VOLONTÀ

## SEPTEMBER 20<sup>TH</sup>

*MORNING SESSION: BIOPROSPECTING*

*CHAIRMAN: ROB CAPON*

09.00 **ANA MARTINEZ** FROM THE SEA TO THE TREATMENT OF ALZHEIMER'S DISEASE

09.30 **GIUSEPPE BIFULCO** DESIGN, VIRTUAL SCREENING AND SYNTHESIS OF NEW HDAC INHIBITORS

09.50 **MARISA RANGEL** A NATURAL PEPTIDE FROM THE MARINE SPONGE *GEODIA CORTICOSTYLIFERA* ACTS UPON MORPHOLOGY, MIGRATION AND INVASION OF BREAST CANCER

10.10 **MARIA CHIARA MONTI** MOLECULAR BASIS OF HUMAN GROUP IIA PHOSPHOLIPASE A<sub>2</sub> INHIBITION BY MARINE NATURAL PRODUCTS

10.30 **JOSE JIMENO** YONDELIS® (TRABECTEDIN): MAJOR CLINICAL IMPACT OF A MARINE ANTICANCER COMPOUND IN THE ERA OF TARGETED THERAPIES

11.10 COFFEE BREAK

**CHAIRMAN: TED MOLINSKI**

11.40	<b>HEONJOONG KANG</b>	LIGANDS OF NUCLEAR RECEPTORS AS POTENTIAL DRUG LEADS
12.00	<b>JULIA JACOB</b>	ANTIBIOTIC ALTERSOLANOL DERIVATIVES FROM A MANGROVE-DERIVED FUNGUS
12.20	<b>EBEL RAINER</b>	NEW CYTOTOXIC $\alpha$ -PYRONE DERIVATIVES FROM THE SPONGE-DERIVED FUNGUS <i>PETRIELLA</i> SP.
12.40	<b>HENDRIK GREVE</b>	NEW IANTHERANS FROM THE MARINE SPONGE <i>IANTHELLA QUADRANGULATA</i> : NOVEL AGONISTS OF THE P2Y <sub>11</sub> RECEPTOR
13.30	LUNCH	

*AFTERNOON SESSION: MARINE TOXINS*

**CHAIRMAN: JOHN BLUNT**

15.00	<b>MICHIO MURATA</b>	YESSOTOXIN AND SYNTHETIC POLYETHER MODELS – INTERACTION WITH MEMBRANE PEPTIDES
15.30	<b>PHILIPPE HESS</b>	BIOACTIVE COMPOUNDS IN SHELLFISH - DRUG DISCOVERY OR FOOD SAFETY MANAGEMENT?
16.00	<b>ANTONIO DARANAS</b>	NOVEL POLYETHER METABOLITES FROM DINOFLAGELLATES
16.20	<b>MARTINO FORINO</b>	RECENT INSIGHTS INTO HARMFUL ALGAL BLOOMS ALONG THE ADRIATIC COASTLINE
16.40	<b>CARMELA DELL'AVERSANO</b>	THE GENOA 2005/2006 OUTBREAKS. DETERMINATION OF PUTATIVE PALYTOXIN AND ITS ANALOGUE IN <i>OSTREOPSIS OVATA</i> BY A NEW LC-MS/MS METHOD
17.00	<b>MANUEL LOLO</b>	ADVANCED LC-MS/MS METHODS FOR THE ANALYSIS OF MARINE TOXINS
20.00	SOCIAL DINNER	

**SEPTEMBER 21<sup>ST</sup>**

*MORNING SESSION: NEW PERCEPTIONS*

**CHAIRMAN: ERNESTO FATTORUSSO**

09.00	<b>PETER KARUSO</b>	REVERSE CHEMICAL PROTEOMICS WITH MARINE NATURAL PRODUCTS: A DIRECT LINK BETWEEN PHENOTYPE AND GENOTYPE VIA PHAGE DISPLAY
09.30	<b>WERNER MULLER</b>	NEW BIOMATERIALS: BIOFABRICATION OF BIOSILICA-GLASS BY SPONGES
10.00	<b>SANDRA LOSS</b>	SMALL VOLUME NMR FOR MARINE NATURAL PRODUCTS ANALYSIS
10.20	<b>MURRAY MUNRO</b>	CLOSING LECTURE: MOVING ON THE FUTURE SCALE AND SCOPE OF MARINE NATURAL PRODUCTS RESEARCH
11.00-12.00	CLOSING REMARKS	