

**Preliminary Program of the:**  
**INTERNATIONAL SYMPOSIUM ON BIOTECHNOLOGY**  
**May 04-08, 2008 Sfax, Tunisia**

# PROGRAM

## **Sunday:**

09<sup>h</sup>00-15<sup>h</sup> : Registration

16<sup>h</sup>00-18<sup>h</sup> 00: **Opening ceremony**

18<sup>h</sup>00-19<sup>h</sup> 00: **Plenary Conference (PC1)**

20<sup>h</sup> 00: Buffet

## Monday

<b>Session 1</b> <b>Biotechnology for animal and human health and biopharmaceuticals</b>	<b>Session 2</b> <b>Microbial and Environmental Biotechnology</b>	<b>Session 3</b> <b>Agricultural, Food and Marine biotechnology</b>	<b>Satellite Session</b> <b>Innovative Biotechnology</b>
<p>9<sup>h</sup>00-10<sup>h</sup>00 : PC 2            10<sup>h</sup>00-10<sup>h</sup>30: TC1-S1            10<sup>h</sup>30-11<sup>h</sup>00: Coffee brake            11<sup>h</sup>00-11<sup>h</sup>15: OC1S1            11<sup>h</sup>15-11<sup>h</sup>30 :OC2S1            11<sup>h</sup>30-11<sup>h</sup>45: OC3S1            11<sup>h</sup>45-12<sup>h</sup>00: OC4 S1            12<sup>h</sup>00-12<sup>h</sup>15: OC5 S1            12<sup>h</sup>15-12<sup>h</sup>30: OC6 S1            12<sup>h</sup>30-14<sup>h</sup>00: Lunch</p> <p>14<sup>h</sup>00-15<sup>h</sup>00: Poster visit            15<sup>h</sup>00-16<sup>h</sup>00 : PC 3            16<sup>h</sup>00-16<sup>h</sup>30:TC2-S1            16<sup>h</sup>30-17<sup>h</sup>00: Coffee brake            17<sup>h</sup>00-17<sup>h</sup>15: OC7 S1            17<sup>h</sup>15-17<sup>h</sup>30: OC8 S1            17<sup>h</sup>30-17<sup>h</sup>45: OC9 S1            17<sup>h</sup>45-18<sup>h</sup>00: OC10 S1</p>	<p>9<sup>h</sup>00-10<sup>h</sup>00 : PC 2            10<sup>h</sup>00-10<sup>h</sup>30: TC1-S2            10<sup>h</sup>30-11<sup>h</sup>00: Coffee brake            11<sup>h</sup>00-11<sup>h</sup>15: OC1S2            11<sup>h</sup>15-11<sup>h</sup>30 :OC2S2            11<sup>h</sup>30-11<sup>h</sup>45: OC3S2            11<sup>h</sup>45-12<sup>h</sup>00: OC4 S2            12<sup>h</sup>00-12<sup>h</sup>15: OC5 S2            12<sup>h</sup>15-12<sup>h</sup>30: OC6 S2            12<sup>h</sup>30-14<sup>h</sup>00: Lunch</p> <p>14<sup>h</sup>00-15<sup>h</sup>00: Poster visit            15<sup>h</sup>00-16<sup>h</sup>00 : PC 3            16<sup>h</sup>00-16<sup>h</sup>30:TC2-S2            16<sup>h</sup>30-17<sup>h</sup>00: Coffee brake            17<sup>h</sup>00-17<sup>h</sup>15: OC7 S2            17<sup>h</sup>15-17<sup>h</sup>30: OC8 S2            17<sup>h</sup>30-17<sup>h</sup>45: OC9 S2            17<sup>h</sup>45-18<sup>h</sup>00: OC10 S2</p>	<p>9<sup>h</sup>00-10<sup>h</sup>00 : PC 2            10<sup>h</sup>00-10<sup>h</sup>30: TC1-S3            10<sup>h</sup>30-11<sup>h</sup>00: Coffee brake            11<sup>h</sup>00-11<sup>h</sup>30: TC2-S3            11<sup>h</sup>30-11<sup>h</sup>45 :OC1S3            11<sup>h</sup>45-12<sup>h</sup>00: OC2S3            12<sup>h</sup>00-12<sup>h</sup>15: OC3S3            12<sup>h</sup>15-12<sup>h</sup>30: OC4 S3            12<sup>h</sup>30-12<sup>h</sup>45: OC5 S3            12<sup>h</sup>45-14<sup>h</sup>00: Lunch</p> <p>14<sup>h</sup>00-15<sup>h</sup>00: Poster visit            15<sup>h</sup>00-16<sup>h</sup>00 : PC 3            16<sup>h</sup>00-16<sup>h</sup>30:TC3-S3            16<sup>h</sup>30-17<sup>h</sup>00: Coffee brake            17<sup>h</sup>00-17<sup>h</sup>15: OC6 S3            17<sup>h</sup>15-17<sup>h</sup>30: OC7S3            17<sup>h</sup>30-17<sup>h</sup>45: OC8 S3            17<sup>h</sup>45-18<sup>h</sup>00: OC9 S3</p>	<ul style="list-style-type: none"> <li>- Promembrane International conf.</li> <li>-Food safety &amp; traceability</li> <li>-Nanobiotechnology</li> <li>- Biotechnology and Society (Bioethics, education in biotechnology)</li> <li>- Principles of Quality Management</li> <li>-Incubating innovations (Start-ups, Spin-offs)</li> <li>-Financing young innovative companies</li> <li>-From patent to profit: commercialising your research</li> </ul>

## Tuesday

<b>Session 1</b> <b>Biotechnology for animal and human health and biopharmaceuticals</b>	<b>Session 2</b> <b>Microbial and environmental Biotechnology (M E B)</b>	<b>Session 3</b> <b>Agricultural, Food and Marine biotechnology</b>	<b>Satellite Session</b> <b>Innovative Biotechnology</b>
<p>9<sup>h</sup>00-10<sup>h</sup>00 : PC 4            10<sup>h</sup>00-10<sup>h</sup>30: TC3-S1            10<sup>h</sup>30-11<sup>h</sup>00: Coffee brake            11<sup>h</sup>00-11<sup>h</sup>15: OC11S1            11<sup>h</sup>15-11<sup>h</sup>30 :OC12S1            11<sup>h</sup>30-11<sup>h</sup>45: OC13S1            11<sup>h</sup>45-12<sup>h</sup>00: OC14 S1            12<sup>h</sup>00-12<sup>h</sup>15: OC15 S1            12<sup>h</sup>15-12<sup>h</sup>30: OC16 S1            12<sup>h</sup>30-14<sup>h</sup>00: Lunch</p> <p>14<sup>h</sup>00-15<sup>h</sup>00: Poster visit            15<sup>h</sup>00-16<sup>h</sup>00 : PC 5            16<sup>h</sup>00-16<sup>h</sup>30:TC4-S1            16<sup>h</sup>30-17<sup>h</sup>00: Coffee brake            17<sup>h</sup>00-17<sup>h</sup>15: OC17 S1            17<sup>h</sup>15-17<sup>h</sup>30: OC18 S1            17<sup>h</sup>30-17<sup>h</sup>45: OC19 S1            17<sup>h</sup>45-18<sup>h</sup>00: OC20 S1</p>	<p>9<sup>h</sup>00-10<sup>h</sup>00 : PC 4            10<sup>h</sup>00-10<sup>h</sup>30: TC3-S2            10<sup>h</sup>30-11<sup>h</sup>00: Coffee brake            11<sup>h</sup>00-11<sup>h</sup>15: OC11S2            11<sup>h</sup>15-11<sup>h</sup>30 :OC12S2            11<sup>h</sup>30-11<sup>h</sup>45: OC13S2            11<sup>h</sup>45-12<sup>h</sup>00: OC14 S2            12<sup>h</sup>00-12<sup>h</sup>15: OC15 S2            12<sup>h</sup>15-12<sup>h</sup>30: OC16 S2            12<sup>h</sup>30-14<sup>h</sup>00: Lunch</p> <p>14<sup>h</sup>00-15<sup>h</sup>00: Poster visit            15<sup>h</sup>00-16<sup>h</sup>00 : PC 5            16<sup>h</sup>00-16<sup>h</sup>30:TC4-S2            16<sup>h</sup>30-17<sup>h</sup>00: Coffee brake            17<sup>h</sup>00-17<sup>h</sup>15: OC17 S2            17<sup>h</sup>15-17<sup>h</sup>30: OC18 S2            17<sup>h</sup>30-17<sup>h</sup>45: OC19 S2            17<sup>h</sup>45-18<sup>h</sup>00: OC20 S2</p>	<p>9<sup>h</sup>00-10<sup>h</sup>00 : PC 4            10<sup>h</sup>00-10<sup>h</sup>30: TC4-S3            10<sup>h</sup>30-11<sup>h</sup>00: Coffee brake            11<sup>h</sup>00-11<sup>h</sup>15: OC10S3            11<sup>h</sup>15-11<sup>h</sup>30 :OC11S3            11<sup>h</sup>30-11<sup>h</sup>45: OC12S3            11<sup>h</sup>45-12<sup>h</sup>00: OC13S3            12<sup>h</sup>00-12<sup>h</sup>15: OC14 S3            12<sup>h</sup>15-12<sup>h</sup>30: OC15 S3            12<sup>h</sup>30-14<sup>h</sup>00: Lunch</p> <p>14<sup>h</sup>00-15<sup>h</sup>00: Poster visit            15<sup>h</sup>00-16<sup>h</sup>00 : PC 5            16<sup>h</sup>00-16<sup>h</sup>30:TC5-S3            16<sup>h</sup>30-17<sup>h</sup>00: Coffee brake            17<sup>h</sup>00-17<sup>h</sup>15: OC16 S3            17<sup>h</sup>15-17<sup>h</sup>30: OC17S3            17<sup>h</sup>30-17<sup>h</sup>45: OC18 S3            17<sup>h</sup>45-18<sup>h</sup>00: OC19 S3</p>	<ul style="list-style-type: none"> <li>- Promembrane International conf.</li> <li>-Food safety &amp; traceability</li> <li>-Nanobiotechnology</li> <li>- Biotechnology and Society (Bioethics, education in biotechnology)</li> <li>- Principles of Quality Management</li> <li>-Incubating innovations (Start-ups, Spin-offs)</li> <li>-Financing young innovative companies</li> <li>-From patent to profit: commercialising your research</li> </ul>

## Wednesday





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## Thursday :

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- **PC:** Plenary Conference
- **TC:** Thematic Conference
- **OC:** Oral Communication
- **Satellite Session:** Economic and Biosafety aspects of Biotechnology:
  - Start-ups, Spin-offs
  - Biosafety
  - Principles of Quality Management
  - Biotechnology and Society
  - Education in Biotechnology

**Total:**

-  106 Oral Communications
-  26 Thematic Conferences
-  08 Plenary Conferences
-  Posters

# Detailed Program of ISB2008

## List of Plenary Conferences:

### Sunday, May 4<sup>th</sup>

18<sup>h</sup>00-19<sup>h</sup>00: Chairperson: Pr. A. El Abed & Pr. R. Ellouz

PC1: Pr. Daniel THOMAS, UTC, France

Title: " **BIOREFINERY- Biotechnology for the conversion of biomass into biomolecules, biomaterials and biofuels.**"

### Monday, May 5<sup>th</sup>

9<sup>h</sup>00-10<sup>h</sup>00: Chairperson: Pr.

PC2: Pr.

Title:"

15<sup>h</sup>00-16<sup>h</sup>00: Chairperson: Pr. S. Jaoua

PC3: Pr. Brian FEDERRICI, University of California, USA

Title:" **Basic Biology and Genetic Engineering of *Bacillus thuringiensis***"

### Tuesday, May 6<sup>th</sup>

9h00-10h00: Chairperson: Pr. S. Hamon

PC4: Pr. Martin PARRY, Centre for Crop Genetic Improvement, UK

Title:" **Integrated Approaches to Wheat Improvement under drought.**"

15h00-16h00: Chairperson: Pr. S. Abdelhak

PC5: Pr. Christine PETIT, Pasteur Institute, France

Title:" **Human Hereditary Deafness: from genes to pathogenesis and beyond.**"

### Wednesday, May 7<sup>th</sup>

9h00-10h00: Chairperson: Pr. A. Gargouri

PC6: Pr. David HOPWOOD, John Innes Centre, UK

Title:" **Using Microbial Genetics to Find and Develop New Antibiotics.**"

15h00-16h00: Chairperson: Pr. S. Sayadi

PC7: Pr. Hitoshi MIYAZAKI, ARENA, Tsukuba University, Japan

Title:" **Effects of Olive Leave Compounds on the Functions of Vasculature and Ovary.** "

### Thursday , May 8<sup>th</sup>

9h00-10h00: Chairperson: Pr. H. Louzir

PC8: Pr. S. Chauhan VIRANDER., ICGB, India

Title: " **Development of Malaria Vaccine: Current Scenario**"

## List of thematic Conferences:

### Monday, May 5<sup>th</sup>

10 h00-10 h30:TC1-S1: Pr. Takashi KURIKI, Biochem.Res.Lab., Ezaki Glico Co., Japan

Title: “**Relationship between Structure and Immunostimulating Activity of Enzymatically Synthesized Glycogen**”

16 h00-16 h30:TC2-S1: Pr. Mauro GIACCA, ICGEB, Italy

Title: “**Gene and cell therapy for cardiovascular disorders**”

10 h00-10 h30 TC1-S2: Pr. Hidetaka HORI , University of Niagata , Japan

Title: “**Recycle of waste /sludge from food industry and live stock feces for compost**”

16 h00-16 h30:TC2-S2: Pr. Malcolm POTTS, Virginia Tech, USA and Qatar University

Title: “**Roof Biofilm: A Unique Biotechnological Resource**”

10 h00-10 h30 TC1-S3: Pr. Emmanuel GUIDERDONI , CIRAD, France

Title: “**Rice Mutant Resources for Deciphering Developmental and Adaptive Processes**”

11<sup>h00</sup>-11<sup>h30</sup>: TC2-S3: Pr. Juan FERRE, University of Valencia, Spain

Title: “**Basis of resistance to *Bacillus thuringiensis* toxins in Lepidoptera**”

16 h00-16 h30:TC3-S3: Pr. Gerald BERKOWITZ ., University of Connecticut, USA

Title: “**Mechanisms mediating Ca<sup>2+</sup> involvement in pathogen perception, programmed cell death and plant innate immunity**”

### Tuesday, May 6<sup>th</sup>

10 h00-10 h30TC3-S1: Dr. Balkis BOUHAOUALA, Pasteur Institute of tunis ,Tunisia

Title: “**From classical antibody based immunotherapy to engineered nanobodies**”

16 h00-16 h30:TC4-S1: Pr. M. PARKER IQBAL, National Research Center, Egypt

Title: “**Gene-Environment Interactions in Oesophageal Cancer in South Africa**”

10 h00-10 h30 TC3-S2: Pr. Samir BEJAR , CBS, Tunisia

Title: “**Two original isomerases involved in low caloric sugar production: Screen, characterization, cloning, study of structure function relationship, improvement and application.**”

16 h00-16 h30:TC4-S2: Pr. Gerhard SCHORIES , TTZ, Germany

Title: “**lignocellulosic co-substrates for anaerobic digestion of agricultural wastes and energy crops (Project AGROBIOGAS)**”

10 h00-10 h30 TC4-S3: Pr. Khaled MASMOUDI, CBS, Tunisia

Title: “**Functional characterization of genes involved in drought and salinity tolerance in plants**”

16 h00-16 h30:TC5-S3: Pr. Estelle BONNIN, INRA, France

Title: “**Extraction of “green labelled” pectin from plant by-products**”

## Wednesday, May 7<sup>th</sup>

10 h00-10 h30 **TC5-S1: Pr. Salem CHOUAIEB**, INSERM, France

Title: **“tumor resistance to specific lysis : a major hurdle for successful immunotherapy of cancer”**

16 h00-16 h30:**TC6-S1: Pr. Suad AL FADHLI**, Faculty of Allied Health sciences, Kuwait

Title: **“Susceptibility genes for Systemic Lupus Erythematosus in the Kuwaiti population”**

10 h00-10 h30 **TC5-S2: Pr. Abdellatif BOUDABBOUS** , FST, Tunisia

Title: **“Bacterial species, reality or mirage”?**

11 h00-11h30:**TC6-S2: Pr J. A. C. ARCHER**, Dep. Genetics. Univ. Cambridge , UK

Title: **“Building of Genomics led green chemistry for industrial biotechnology**

16 h00-16 h30:**TC7-S2: Pr. Nidhal HILAL** , Centre for Clean Water Technologies, UK

Title: **“Quantification of (bio) interactive forces at the nano-scale”**

17 h00-17 h30:**TC8-S2: Pr. Jean Luc THOLOZAN**

Title: **“Extremophylic anaerobic bacteria: Characterization, ecology and potential applications”**

10 h00-10 h30 **TC6-S3: Pr. Claudine FRANCHE**, IRD, France

Title: **“Genetic transformation of forest trees”**

16 h00-16 h30:**TC7-S3: Pr. Frank MOLINA**, CNRS, France

Title: **“BaSysBio, a systems biology approach for Bacillus Subtilis modelling”**

## Thursday , May 8<sup>th</sup>

10 h00-10 h30 **TC7-S1: Pr. Ahmed REBAI** , CBS, Tunisia

Title: **“Computational biology approaches help in understanding cancer”**

10 h00-10 h30 **TC9-S2: Pr. Richard HASER**, CNRS, France

Title: **“News from sugar-converting enzymes: from structures towards catalysis and synthesis of attractive oligosaccharides”**

11 h00-11 h30 **TC10- S2: Pr. Mohamed AMAR** , CNRST, Morocco

Title: **"Biological Resource Centres for Bioeconomy in Developing Countries"**

10 h00-10 h30 **TC8-S3: Pr. Noureddine DRIRA**, FSS, Tunisia

Title: **"Biotechnologie et déterminisme du sexe chez les végétaux supérieurs"**

11 h00-11 h30 **TC9-S3: Pr. Mahmoud SAKER**, National Research Center, Egypt

Title: **“Plant Biotechnology in Egypt: Current Status and Future Scenarios”**

## Sunday, May, 4<sup>th</sup> 2008

9<sup>h</sup>00-15<sup>h</sup>00: Registration

16<sup>h</sup>00-18<sup>h</sup>00: Opening Ceremony

**18 h00-19 h00: Chairpersons: Pr. A. El Abed & Pr. R. Ellouz**

**Plenary Conference 1(PC1): Pr. Daniel Thomas**, University of technology of Compiègne, France

**Conference title:** "BIOREFINERY- Biotechnology for the conversion of biomass into biomolecules, biomaterials and biofuels"

## Session 1: Biotechnology for Human Health

### Monday, May 5<sup>th</sup>

**9<sup>h</sup>00-10<sup>h</sup>00: Chairperson: Pr. C. Granier**

**PC 2: Pr.**

**10<sup>h</sup>00-12<sup>h</sup>30: Chairpersons: Pr. F. Fakhfakh & Pr. H. Makni**

10<sup>h</sup>00-10<sup>h</sup>30: TC1-S1: Pr. **Takashi KURIKI** "Relationship between Structure and Immunostimulating Activity of Enzymatically Synthesized Glycogen"

10<sup>h</sup>30-11<sup>h</sup>00: **Coffee brake**

11<sup>h</sup>00-11<sup>h</sup>15: OC1 S1 : **Imène TURKI** "Development of a Genetically Fused Recombinant Antibody Fragment–Green Fluorescent Protein Conjugate for Rabies Virus Diagnosis"

11<sup>h</sup>15-11<sup>h</sup>30: OC2 S1: **Maria KABBAGE** "HSP 27, PDI and PPI Are Dysregulated in both Female and Male Breast Infiltrating Ductal Carcinomas (IDCA): An IEF/NEPHGE-2-DE- MS investigation"

11<sup>h</sup>30-11<sup>h</sup>45: OC3 S1: **Jenan AL-MATOUQ** "Pattern of Expression of Triiodothyronine , Somatostatin hormone Receptors, and 5` Deiodinase in different Breast Pathologies versus Normal and Lactational tissues"

11<sup>h</sup>45-12<sup>h</sup>00: OC4 S1: **Jihène ELLOUMI** "EGFR expression in *E.coli*: N and C-termini truncation"

12<sup>h</sup>00-12<sup>h</sup>15: OC5 S1: **Imen MILADI-ABDENNADHER** "Aberrant CpG island hypermethylation of multiple genes in colorectal neoplasia"

12<sup>h</sup>15-12<sup>h</sup>30: OC6 S1: **Sondes KARRAY-CHOUAYEKH** "DNA hypermethylation in breast cancer and its association with clinicopathological features"

12<sup>h</sup>30-14<sup>h</sup>00: **Lunch**

14<sup>h</sup>00-15<sup>h</sup>00: **Poster visit**

**15<sup>h</sup>00-16<sup>h</sup>00: Chairperson: Pr. S. Jaoua**

**PC 3: Pr. Brian FEDERICI** "Basic Biology and Genetic Engineering of *Bacillus thuringiensis*"

**16<sup>h</sup>00-18<sup>h</sup>00: Chairpersons: Pr. A. Hammami & Pr. M. Takahiro**

16<sup>h</sup>00-16<sup>h</sup>30: TC2-S1: Pr. **Mauro GIACCA** " Gene and cell therapy for cardiovascular disorder"

16<sup>h</sup>30-17<sup>h</sup>00: Coffee brake

17<sup>h</sup>00-17<sup>h</sup>15: OC7 S1: **Saima SADAF** “High-level expression and production of bubaline somatotropin in Escherichia coli”

17<sup>h</sup>15-17<sup>h</sup>30: OC8 S1: **Sofiene BEZZINE** “Overview on phospholipase A2 and involvement in inflammation”

17<sup>h</sup>30-17<sup>h</sup>45: OC9 S1: **Zihni DEMIRBAG** “Molecular analysis of Chilo iridescent virus (CIV) genes belong to three temporal classes”

17<sup>h</sup>45-18<sup>h</sup>00: OC10 S1: **Saloua LASSOUED** “In vitro Analysis of the oxidative profile in Epstein-Barr virus target cells during the early stages of infection and after lytic cycle induction”

## Tuesday, May 6<sup>th</sup>

**9<sup>h</sup>00-10<sup>h</sup>00 : Chairperson: Pr. S. Hamon**

PC 4: Pr. **Martin PARRY** "Integrated Approaches to Wheat Improvement under drought"

**10<sup>h</sup>00-12<sup>h</sup>30: Chairpersons: Pr. R. Gargouri & Pr. M. Aouni**

10<sup>h</sup>00-10<sup>h</sup>30: TC3-S1: Dr. **Balkis BOUHAOUALA** “From classical antibody based immunotherapy to engineered nanobodies”

10<sup>h</sup>30-11<sup>h</sup>00: Coffee brake

11<sup>h</sup>00-11<sup>h</sup>15: OC11 S1: **Imen HADJI SFAXI** “Characterization of Superoxide Dismutase Iso-enzymes From Allium sativum. Effects on Tumor Cell Lines”

11<sup>h</sup>15-11<sup>h</sup>30: OC12 S1: **Salma ABDELMOULA-SOUISSI** “High-level expression of human tumour suppressor P53 in the methylotrophic yeast: Pichia pastoris”

11<sup>h</sup>30-11<sup>h</sup>45: OC13 S1: **Ines Zidi** “Importance of HLA-G regulation by TNF- $\alpha$  and glucocorticoids in treatment of cancer”

11<sup>h</sup>45-12<sup>h</sup>00: OC14 S1: **Sarra M'BAREK** "Solid phase synthesis, a biotechnological approach for structure-activity relationships of scorpion toxins : Innovative strategy of chemical synthesis of a Maurotoxin with Constrained Standard Disulfide Bridging”

12<sup>h</sup>00-12<sup>h</sup>15: OC15 S1: **M'hamed GRATI** “Molecular Analysis of USH genes in a large cohort of Usher type I, II and III patients shows the importance of MYO7A and USH2A implication”

12<sup>h</sup>15-12<sup>h</sup>30: OC16 S1: **Imen BEN REBEH** “Localization of candidate regions for a novel gene for Usher II syndrome”

12<sup>h</sup>30-14<sup>h</sup>00: Lunch

14<sup>h</sup>00-15<sup>h</sup>00: Poster visit

**15<sup>h</sup>00-16<sup>h</sup>00 : Chairperson: Pr. S. Abdelhak**

PC 5: Pr. **Christine PETIT** " Human Hereditary Deafness : from genes to pathogenesis and beyond"

**16<sup>h</sup>00-18<sup>h</sup>00: Chairpersons: F. Hentati & Pr. A. Ghorbel**

16<sup>h</sup>00-16<sup>h</sup>30: TC4-S1: Pr. **M. PARKER IQBAL** “Gene-Environment Interactions in Oesophageal Cancer in South Africa”

16<sup>h</sup>30-17<sup>h</sup>00: Coffee brake

17<sup>h</sup>00-17<sup>h</sup>15: OC17 S1: **Hassen HADJ KACEM** “The PDS gene expression in different pathological thyroid tissues”

17<sup>h</sup>15-17<sup>h</sup>30: OC18 S1: **Salah LAROUI** “Genetic polymorphism of the Hyperhomocysteinemia with Valvulopatients in the region of Aures in the East of Algeria”

17<sup>h</sup>30-17<sup>h</sup>45: OC19 S1: **Olfa Siala-Sahnoun** “First successful prenatal diagnoses of MDC1A and LGMD2C forms in Tunisia and in Africa”

17<sup>h</sup>45-18<sup>h</sup>00: OC20 S1: **Basma Hadj Kacem** “A novel nonsense mutation (at Ser23) in GPIIb $\beta$  gene affects GPIIb-IX complex expression in two Tunisian Bernard-Soulier Syndrome unrelated families”

## Wednesday, May 7<sup>th</sup>

**9<sup>h</sup>00-10<sup>h</sup>00: Chairperson: Pr. A. Gargouri**

**PC 6: Pr. David HOPWOOD "Using Microbial Genetics to Find and Develop New Antibiotics"**

**10<sup>h</sup>00-12<sup>h</sup>15: Chairpersons: Pr. M. ElAyeb & Pr. A. Bartegi**

**10<sup>h</sup>00-10<sup>h</sup>30: TC5-S1: Pr. Salem CHOUAIEB "tumor resistance to specific lysis : a major hurdle for successful immunotherapy of cancer"**

**10<sup>h</sup>30-11<sup>h</sup>00: Coffee brake**

**11<sup>h</sup>00-11<sup>h</sup>15: OC21 S1: Laurence Molina "The inter-individual variability of the human urinary proteome assessed by 2D electrophoresis analysis"**

**11<sup>h</sup>15-11<sup>h</sup>30: OC22 S1: Olfa Frikha-Gargouri "Comparison of an in house ELISA test and the pELISA MEDAC for the detection of Chlamydia trachomatis IgG antibodies in Danish woman seeking abortion"**

**11<sup>h</sup>30-11<sup>h</sup>45: OC23 S1: Riadh BEN MANSOUR "Oxidative stress in Systemic lupus erythematosus and rheumatoid arthritis and its relationship with autoantibodies production"**

**11<sup>h</sup>45-12<sup>h</sup>00: OC24 S1: Walid AL ACHKAR "CML Profile in Syria"**

**12<sup>h</sup>00-12<sup>h</sup>15: OC25 S1: Jos VAN PELT "the application of gene expression array and bioinformatics to investigate molecular mechanisms of liver disease"**

**12<sup>h</sup>30-14<sup>h</sup>00: Lunch**

**14<sup>h</sup>00-15<sup>h</sup>00: Poster visit**

**15<sup>h</sup>00-16<sup>h</sup>00 : Chairperson: Pr. S. Sayadi**

**PC 7: Pr. Hitoshi MIYAZAKI " Effects of Olive Leave Compounds on the Functions of Vasculature and Ovary"**

**16<sup>h</sup>00-18<sup>h</sup>00: Chairperson: Pr. J. Hchicha & Pr. S. Masmoudi**

**16<sup>h</sup>00-16<sup>h</sup>30: TC6-S1: Pr. Suad AL FADHLI: "Susceptibility genes for Systemic Lupus Erythematosus in the Kuwaiti population"**

**16<sup>h</sup>30-17<sup>h</sup>00: Coffee brake**

**17<sup>h</sup>00-17<sup>h</sup>15: OC27 S1: P. BILLIALD "Recombinant antibodies: Towards a new generation of antivenoms?"**

**17<sup>h</sup>15-17<sup>h</sup>30: OC28 S1: Rym BENKHALIFA "Electrophysiological Strategy for Ion Channel Drug Discovery"**

**17<sup>h</sup>30-17<sup>h</sup>45: OC29 S1: Shoukat PARVEZ "Co-culturing of *Bifidobacterium bifidum* Enhanced Bile Salt Hydrolase Activity in Media"**

**17<sup>h</sup>45-18<sup>h</sup>00: OC30 S1: Olfa KALLECH-ZIRI "Chemical synthesis of lebestatin, an anti-angiogenic disintegrin, and its analogues. Structure-activity relationship"**

## Thursday, May 8<sup>th</sup> :

**9<sup>h</sup>00-10<sup>h</sup>00 : Chairperson: Pr. H. Louzir**

**PC 8: Pr. S. CHAUHAN VIRANDER "Development of Malaria Vaccine: Current Scenario"**

**10<sup>h</sup>00-12<sup>h</sup>45: Chairpersons: Pr. L. Keskes & Pr. A. Martial**

**10<sup>h</sup>00-10<sup>h</sup>30: TC7-S1: Pr. Ahmed REBAI "computational biology approaches help in understanding cancer"**

**10<sup>h</sup>30-11<sup>h</sup>00: Coffee brake**

11<sup>h</sup>00-11<sup>h</sup>15: OC31 S1: **Lefranc MARIE-PAULE** “IMGT®: a paradigm for genetics, genome and 3D structure data integration towards Systems Biology”  
11<sup>h</sup>15-11<sup>h</sup>30: OC32 S1: **Yaqoub ASHHAB** “Developing a Powerful Bioinformatics Tool for Prediction of Caspase 3 Substrate: Preliminary Analysis of the Human Proteome”  
11<sup>h</sup>30-11<sup>h</sup>45: OC33 S1: **Gregory NUEL** “Taking into account missing genotypes and errors in Family Based Association Testing using an Expectation-Maximization framework”  
11<sup>h</sup>45-12<sup>h</sup>00: OC34 S1: **Mohamed Mahmoud SOWILEM** “Utilization of GIS and Space data in assessment of vector borne diseases and appropriate bio-control measures”  
12<sup>h</sup>00-12<sup>h</sup>15: OC35 S1: **Imen KALLEL** “Screening of pro-apoptotic activity of pure molecules and extract derived from medicinal plant on breast cancer cell lines”  
12<sup>h</sup>15-12<sup>h</sup>30: OC36 S1: **Olga KOVALCHUK** “Small RNAs can solve large problems: alteration in microRNA levels can reverse breast cancer chemoresistance resistance”  
12<sup>h</sup>30-12<sup>h</sup>45: OC37 S1: **Rim CHATTER** “Novel analgesic and anti-inflammatory brominated diterpenoid from red algae genus *Laurencia*”  
12<sup>h</sup>45-13<sup>h</sup>15: Closing ceremony  
13<sup>h</sup>15-14<sup>h</sup>45: Lunch  
15h00- Touristic trip  
20h00 Dinner-Ceremony

## Session 2: Microbial and Environmental Biotechnology

### Monday, May 5<sup>th</sup>

9<sup>h</sup>00-10<sup>h</sup>00: Chairperson: Pr.

PC 2: Pr.

10<sup>h</sup>00-12<sup>h</sup>30: Chairpersons: Pr. S. Jaoua & Pr. M. Potts

10<sup>h</sup>00-10<sup>h</sup>30: TC1-S2: Pr. **Hidetaka HORI** “Recycle of waste /sludge from food industry and live stock feces for compost”

10<sup>h</sup>30-11<sup>h</sup>00: Coffee brake

11<sup>h</sup>00-11<sup>h</sup>15: OC1S2: **Nushin AGHAJARI** “Structural- and mutagenesis studies give insights into sucrose isomerization”

11<sup>h</sup>15-11<sup>h</sup>30: OC2S2: **Ena ALBA** “treatment for bioremediation of olive oil mill wastewater”

11<sup>h</sup>30-11<sup>h</sup>45: OC3S2: **Fatma DRISS** “Enhancement of the insecticidal activity of a *Bacillus thuringiensis* subsp. *kurstaki* strain via the production of chitinase-containing crystals”

11<sup>h</sup>45-12<sup>h</sup>00: OC4 S2: **Sonia JEMLI** “The  $\alpha$ -cyclodextrin glycosyltransferase of *Paenibacillus pabuli* US132: characterization, cloning and overproduction of the recombinant enzyme”

12<sup>h</sup>00-12<sup>h</sup>15: OC5 S2: **Ines MAALEJ** “Purification, biochemical characterisation and immobilization of a xylanase of a thermophilic fungus”

12<sup>h</sup>15-12<sup>h</sup>30: OC6 S2: **Sami MNIF** “Isolation and characterization of *Halomonas* sp. strain C2SS100, an hydrocarbon degrading bacterium under hypersaline conditions”

12 h30-14 h00: Lunch

14<sup>h00</sup>-15<sup>h00</sup>: Poster visit

**15<sup>h00</sup>-16<sup>h00</sup> : Chairperson: Pr. S. Jaoua**

**PC 3: Pr. Brian FEDERICI "Basic Biology and Genetic Engineering of Bacillus thuringiensis"**

**16<sup>h00</sup>-18<sup>h00</sup>: Chairpersons: Pr. N. Zouari & Pr. Y. T. Gargouri**

**16<sup>h00</sup>-16<sup>h30</sup>: TC2-S2: Pr. Potts MALCOLM "Roof Biofilm: A Unique Biotechnological Resource"**

16<sup>h30</sup>-17<sup>h00</sup>: Coffee brake

17<sup>h00</sup>-17<sup>h15</sup>: OC7 S2: **Hamed Mohammed EL-SHORA** "Immobilization and modification of laccase from Bacillus thuringiensis is promising for enzymatic removal and decontamination of phenolic compounds from polluted water systems"

17<sup>h15</sup>-17<sup>h30</sup>: OC8 S2: **El Akrem HAYOUNI** "Multiparametric flow cytometry, a powerful tool for the assessment of the mechanism of action of Melaleuca armillaris (Sol. Ex Gaertu) Sm. essential oil, on six LAB strains"

17<sup>h30</sup>-17<sup>h45</sup>: OC9 S2: **Abdelmalek BADIS** "Characterization and biodegradation of humic acids extracted from different soil of Algeria: selection of performance microbial strains and optimisation of culture conditions"

17<sup>h45</sup>-18<sup>h00</sup>: OC10 S2: **Wissem MNIF** "Occurrence of endocrine disrupting activity in Tunisian sewage treatment plants"

## **Tuesday, May 6<sup>th</sup>**

**9<sup>h00</sup>-10<sup>h00</sup> : Chairperson: Pr. S. Hamon**

**PC 4: Pr. Martin PARRY "Integrated Approaches to Wheat Improvement under drought"**

**10<sup>h00</sup>-12<sup>h30</sup>: Chairpersons: Pr. S. Ellouz-Chaâbouni & Pr. H. Mejdoub**

10<sup>h00</sup>-10<sup>h30</sup>: TC3-S2: **Pr. Samir BEJAR** "Two original isomerases involved in low caloric sugar production: Screen, characterization, cloning, study of structure function relationship, improvement and application."

10<sup>h30</sup>-11<sup>h00</sup>: Coffee brake

11<sup>h00</sup>-11<sup>h15</sup>: OC11 S2: **Jean-Jacques GODON** "Unstable environment enhanced ecological resilience in anaerobic digestors"

11<sup>h15</sup>-11<sup>h30</sup>: OC12 S2: **José DUARTE** "new bioreactor for ethanol production with flocculent yeast"

11<sup>h30</sup>-11<sup>h45</sup>: OC13 S2: **Mireille KALLASSY-AWAD** "Novel isolates of Bacillus thuringiensis strains presenting a polymorphism of cry1A genes with difference of in vivo activity"

11<sup>h45</sup>-12<sup>h00</sup>: OC14 S2: **Samaha SIOUD MEDDEB** "Detection of the biosynthesis pathway of a DKP active molecule produced by the new isolated Streptomyces sp.US24 strain"

12<sup>h00</sup>-12<sup>h15</sup>: OC15 S2: **Walid SAIBI** " Purification and biochemical characterization of a transglucosylating  $\beta$ -glucosidase of Stachybotrys strain"

12<sup>h15</sup>-12<sup>h30</sup>: OC16 S2: **Mohamed CHAMKHA** "Biodiversity of aerobic bacteria from a Tunisian high-temperature oil field and biodegradation potential of some aromatic compounds and hydrocarbons"

12<sup>h30</sup>-14<sup>h00</sup>: Lunch

14<sup>h00</sup>-15<sup>h00</sup>: Poster visit

**15<sup>h00</sup>-16<sup>h00</sup> : Chairperson: Pr. S. Abdelhak**

**PC 5: Pr. Christine PETIT " Human Hereditary Deafness : from genes to pathogenesis and beyond"**

**16<sup>h</sup>00-18<sup>h</sup>30: Chairpersons: Pr. A. Cornet & Pr. M. Hamdi**

16<sup>h</sup>00-16<sup>h</sup>30: TC4-S2: Pr. **Gerhard SCHORIES** "lignocellulosic co-substrates for anaerobic digestion of agricultural wastes and energy crops (Project AGROBIOGAS)"

16<sup>h</sup>30-17<sup>h</sup>00: Coffee brake

17<sup>h</sup>00-17<sup>h</sup>15: OC17 S2: **Abdelkader BEKKI** "Rhizobia-leguminous symbiosis: Diversity and biotechnology application"

17<sup>h</sup>15-17<sup>h</sup>30: OC18 S2: **Layla BEN AYED** "Detection of Cryptosporidium oocysts and Giardia cysts from sewage and sludge samples in Tunisia"

17<sup>h</sup>30-17<sup>h</sup>45: OC19 S2: **Raja REZGUI** "Phylogenetic characterisation and metabolic potentialities of original bacteria isolated from a South Tunisian deep subterrestrial petroleum environment"

17<sup>h</sup>45-18<sup>h</sup>00: OC20 S2: **Sabiha ACHAT** "Antibacterial activity (in vitro) of phenolic extract of three medicinal plants sage, celery and laurel"

## **Wednesday, May 7<sup>th</sup>**

**9<sup>h</sup>00-10<sup>h</sup>00 : Chairperson: Pr. A. Gargouri**

**PC 6: Pr. David HOPWOOD "Using Microbial Genetics to Find and Develop New Antibiotics"**

**10<sup>h</sup>00-12<sup>h</sup>30: Chairpersons: Pr. M. Nasri & Pr. A. Dhouib**

10<sup>h</sup>00-10<sup>h</sup>30: TC5-S2: Pr. **Abdellatif BOUDABBOUS** "Bacterial species, reality or mirage"?

10<sup>h</sup>30-11<sup>h</sup>00: Coffee brake

11<sup>h</sup>00-11<sup>h</sup>30: TC6-S2: **Pr. J. A. C. ARCHER** "Building of Genomics led green chemistry for industrial biotechnology

11<sup>h</sup>30-11<sup>h</sup>45: OC21 S2: **Kais JAMOUSI** "Heterologous expression of the B. thuringiensis vegetative insecticidal protein Vip3LB in Photorhabdus temperata strain K122 and oral toxicity against the Lepidoptera Ephestia kuehniella and Spodoptera littoralis"

11<sup>h</sup>45-12<sup>h</sup>00: OC22 S2: **Fakher KAMOUN** "Purification, Biochemical Characterization and Genes Identification of New Bacillus thuringiensis Bacteriocins"

12<sup>h</sup>00-12<sup>h</sup>15: OC23 S2: **Bassem JAOUADI** "Novel oxidant- surfactant- and bleach-stable serine alkaline protease from a newly isolated Bacillus pumilus CBS strain: biochemical and molecular characterization"

12<sup>h</sup>15-12<sup>h</sup>30: OC24 S2: **Ameny FARHAT** "Gene cloning and characterization and of a novel thermostable phytase from Bacillus subtilis US417"

12<sup>h</sup>30-12<sup>h</sup>45: OC25 S2: **Ines BORGHI** "A spontaneous direct repeat deletion in the P<sub>gex</sub> fusion vector decreases the expression level of recombinant proteins in E. coli"

12<sup>h</sup>45-13<sup>h</sup>00: OC26 S2: **Zouhaier BOUALLAGUI** "Hydroxytyrosol recovery through microbial transformation"

13<sup>h</sup>00-14<sup>h</sup>00: Lunch

14<sup>h</sup>00-15<sup>h</sup>00: Poster visit

**15<sup>h</sup>00-16<sup>h</sup>00 : Chairperson: Pr. S. Sayadi**

**PC 7: Pr. Hitoshi MIYAZAKI " Effects of Olive Leave Compounds on the Functions of Vasculature and Ovary"**

**16<sup>h</sup>00-18<sup>h</sup>30: Chairpersons: Pr. H. Belguith & Pr. M. Labat**

16<sup>h</sup>00-16<sup>h</sup>30: TC7-S2: Pr. **Nidhal HILAL** "Quantification of (bio) interactive forces at the nano-scale"

16<sup>h</sup>30-17<sup>h</sup>00: Coffee brake

17 h 00-17 h30:TC8-S2: **Pr. Jean Luc THOLOZAN** “Extremophylic anaerobic bacteria: Characterization, ecology and potential applications”

17<sup>h</sup>30-17<sup>h</sup>45: OC27 S2: **Sonia KHOUI** “Ultrafiltration for advanced olive mill wastewater treatment for ferti-irrigation”

17<sup>h</sup>45-18<sup>h</sup>00: OC28 S2: **Olfa BEN SAID** “study of microbial community diversity in superficial sediments of coastal anthropized bizerte lagoon (tunisia)”

18<sup>h</sup>00-18<sup>h</sup>15: OC29 S2: **Rashed AL-SA`ED** “Assessment of current conventional and membrane technologies for wastewater treatment and effluent reclamation in Palestine”

18<sup>h</sup>15-18<sup>h</sup>30: OC30 S2: **Rima ALBESHARAT** “Investigations on the influence of the fermentation conditions on the vitality of a probiotic culture after drying”

## **Thursday, May 8<sup>th</sup> :**

**9<sup>h</sup>00-10<sup>h</sup>00 : Chairperson: Pr. H. Louzir**

**PC8: Pr. S. Chauhan VIRANDER., “Development of Malaria Vaccine: Current Scenario”**

**10<sup>h</sup>00-12<sup>h</sup>45: Chairpersons: Pr. N. Gharsallah & Pr. S. Maâlej**

11 h00-11 h30: TC9 S2: **Pr. Richard HASER** “News from sugar-converting enzymes: from structures towards catalysis and synthesis of attractive oligosaccharides”

10<sup>h</sup>30-11<sup>h</sup>00: Coffee brake

10<sup>h</sup>00-10<sup>h</sup>30: TC10-S2: **Pr. Mohamed AMAR** "Biological Resource Centres for Bioeconomy in Developing Countries"

11<sup>h</sup>30-11<sup>h</sup>45: OC31 S2: **Raida ZGHAL ZRIBI** “Evidence of the importance of the Met<sup>115</sup> for Bacillus thuringiensis subsp. israelensis Cyt1Aa protein cytolytic activity”

11<sup>h</sup>45-12<sup>h</sup>00:OC32 S2: **Cherif BEN-YOUSSEF** “Kinetic modelling of the benzene inhibitory effect on nitrifying batch cultures”

12<sup>h</sup>00-12<sup>h</sup>15: OC33 S2: **Nour SHAFIK EL-GENDY** “Assessment of biostimulation effect on a highly heavy metals and oil polluted soil”

12<sup>h</sup>15-12<sup>h</sup>30: OC34 S2: **Jerome HARMAND** “Automatic Control may Help to Investigate Microbial Ecological Questions”

12h 30-12h45: OC35 S2: **Ouardia BELOUANA BORN BENBELKACEM** “Study of the nitrate pollution conversion to the gas nitrogen with a fixed biomass on consumable support (Alfa Stem)”

12<sup>h</sup>45-13<sup>h</sup>15: closing ceremony

13<sup>h</sup>15-14<sup>h</sup>45: Lunch

15h00- Touristic trip

20h00 Dinner-Ceremony

## Session 3: Agricultural, Food and Marine Biotechnology

**Monday, May 5<sup>th</sup>**

**9<sup>h</sup>00-10<sup>h</sup>00: Chairperson: Pr.**

**PC 2: Pr.**

**10<sup>h</sup>00-12<sup>h</sup>45: Chairpersons: Pr. N. Marrakchi & Pr. M. Mathlouthi**

10<sup>h</sup>00-10<sup>h</sup>30: TC1-S3: Pr. **Emmanuel GUIDERDONI** “Rice Mutant Resources for Deciphering Developmental and Adaptive Processes”

10<sup>h</sup>30-11<sup>h</sup>00: **Coffee brake**

11<sup>h</sup>00-11<sup>h</sup>30: TC2-S3: Pr. **Juan FERRE** “Basis of resistance to *Bacillus thuringiensis* toxins in Lepidoptera ”

11<sup>h</sup>30-11<sup>h</sup>45: OC1S3: **Karim MEZHOUD** “Global quantitative analysis of protein expression and phosphorylation status in the liver Medaka exposed to microcystin-LR”

11<sup>h</sup>45-12<sup>h</sup>00: OC2S3: **Imen BEN SALAH** “Comparative study of the response of growth, nitrogen fixation and carbohydrate metabolism in *Medicago ciliaris* lines cultivated under salt stress”

12<sup>h</sup>00-12<sup>h</sup>15: OC3 S3: **Rania BEN SAAD** “Over expression of an alien ZnFAI gene from *A. littoralis* in tobacco enhances salt and drought stress tolerance”

12<sup>h</sup>15-12<sup>h</sup>30: OC4 S3: **Slim TOUNSI** “Improvement of oral toxicity of *Photorhabdus temperata* strain K122 against *Prays oleae* and *Manduca sexta* by heterologous expression of *Bacillus thuringiensis* cry1Aa and cry1Ia genes”

12<sup>h</sup>30-12<sup>h</sup>45: OC5 S3: **Nader Farid ABUSARA** “Optimal Growth Conditions for the Production of  $\beta$ -Carotene and Glycerol from a Halophilic Microalga *Dunaliella* sp. Isolated from the Dead Sea, Jordan”

12<sup>h</sup>45-14<sup>h</sup>00: **Lunch**

14<sup>h</sup>00-15<sup>h</sup>00: **Poster visit**

**15<sup>h</sup>00-16<sup>h</sup>00 : Chairperson: Pr. S. Jaoua**

**PC 3: Pr. Brian FEDERICI** "Basic Biology and Genetic Engineering of *Bacillus thuringiensis*"

**16<sup>h</sup>00-18<sup>h</sup>15 : Chairpersons: Pr. A. Ghorbel & E. Bonnin**

16<sup>h</sup>00-16<sup>h</sup>30: TC3-S3: Pr. **Gerald BERKOWITZ** “Mechanisms mediating Ca<sup>2+</sup> involvement in pathogen perception, programmed cell death and plant innate immunity”

16<sup>h</sup>30-17<sup>h</sup>00: **Coffee brake**

17<sup>h</sup>00-17<sup>h</sup>15: OC6S3: **Muhammad AASIM** “Efficient, Simple and Rapid Transformation of two Turkish Cowpea (*Vigna unguiculata* L.) Cultivars by *Agrobacterium tumefaciens*”

17<sup>h</sup>15-17<sup>h</sup>30: OC7S3: **Kakha NADIRADZE** “In vitro and in vivo virus free potato seed production using Elisa Reader”

17<sup>h</sup>30-17<sup>h</sup>45: OC8 S3: **Aymen EZZINE** “Cloning and Expression of Human Papillomavirus type 16 Capsid Protein L1 in *Arabidopsis thaliana*”

17<sup>h</sup>45-18<sup>h</sup>00: OC9 S3: **Essaid AIT BARKA** “The induced state of resistance in inflorescence of *Vitis vinifera* L. by a Plant growth promoting bacteria, *Burkholderia phytofirmans* strain PsJN against *Botrytis cinerea* Pers”

## Tuesday, May 6<sup>th</sup>

**9<sup>h</sup>00-10<sup>h</sup>00 : Chairperson: Pr. S. Hamon**

**PC 4: Pr. Martin PARRY "Integrated Approaches to Wheat Improvement under drought"**

**10<sup>h</sup>00-12<sup>h</sup>30 : Chairpersons: R. Gargouri Bouzid & Pr. J. Ferre**

**10<sup>h</sup>00-10<sup>h</sup>30: TC4-S3: Pr. Khaled MASMOUDI "Functional characterization of genes involved in drought and salinity tolerance in plants"**

**10<sup>h</sup>30-11<sup>h</sup>00: Coffee brake**

**11<sup>h</sup>00-11<sup>h</sup>15: OC10 S3: Ikram ZAIDI "identification and molecular characterization of durum wheat map kinase phosphatase 1 (tmkp1)"**

**11<sup>h</sup>15-11<sup>h</sup>30: OC11 S3: Orhan ARSLAN "Rapid and Highly efficient micropropagation of Two Turkish woods *Isatis constricta* Davis and *I. aucheri* Boiss. under in vitro conditions"**

**11<sup>h</sup>30-11<sup>h</sup>45: OC12 S3: Lina AL-AMIR "The effect of crude aqueous *Juniperus excelsa* leaf and fruit extracts on some human pathogenic bacteria"**

**11<sup>h</sup>45-12<sup>h</sup>00: OC13 S3: Mariam DAMMAK KARRAY "Evidence of the involvement of the C-terminal region of *Bacillus thuringiensis* Cry1Ac in delta-endotoxin crystallization"**

**12<sup>h</sup>00-12<sup>h</sup>15: OC14 S3: Imen SAADAOUI "Cloning, sequencing and expression of cry1A genes of a new *Bacillus thuringiensis* strain highly toxic to Lepidopteran larvae"**

**12<sup>h</sup>15-12<sup>h</sup>30: OC15 S3: Shahidul HAQUE MD "Biotechnological Approaches for Improvement of Garlic(*Allium ativum* L.)"**

**12<sup>h</sup>30-14<sup>h</sup>00: Lunch**

**14<sup>h</sup>00-15<sup>h</sup>00: Poster visit**

**15<sup>h</sup>00-16<sup>h</sup>00 : Chairperson: Pr. S. Abdelhak**

**PC 5: Pr. Christine PETIT " Human Hereditary Deafness : from genes to pathogenesis and beyond"**

**16<sup>h</sup>00-18<sup>h</sup>00: Chairpersons: Pr S. Bejar & Pr. C. Franche**

**16<sup>h</sup>00-16<sup>h</sup>30: TC5-S3: Pr. Estelle BONNIN "Extraction of "green labelled" pectin from plant by-products"**

**16<sup>h</sup>30-17<sup>h</sup>00: Coffee brake**

**17<sup>h</sup>00-17<sup>h</sup>15: OC16 S3: Fadila Maiza BENABDESSELAM "In vitro antioxidant studies on phenolic and alkaloid extracts of two *Fumaria* Algeria species"**

**17<sup>h</sup>15-17<sup>h</sup>30: OC17 S3: Lobna MESRATI-ABDELKEFI "Characterization of a novel Vip3-type toxin of *Bacillus thuringiensis* strain BUPM95"**

**17<sup>h</sup>30-17<sup>h</sup>45: OC18 S3: Mohamed TRIGUI "Seasonal variation in antimicrobial activity of crude extracts of the green alga *Ulva rigida* (Ulvaaceae)"**

**17<sup>h</sup>45-18<sup>h</sup>00: OC19 S3: Hayat MAKEE "Effect of inherited sterility and *Bacillus thuringiensis* on mortality and reproduction of *Phthorimaea operculella* Zeller (Lepidoptera: Gelechiidae)"**

## Wednesday, May 7<sup>th</sup>

**9<sup>h</sup>00-10<sup>h</sup>00 : Chairperson: Pr. A. Gargouri**

**PC 6: Pr. David HOPWOOD "Using Microbial Genetics to Find and Develop New Antibiotics"**

**10 h00-12 h30: Chairpersons: Pr. S. Hamon & Pr. F. Molina**

10<sup>h00</sup>-10<sup>h30</sup>: TC6-S3: Pr. Claudine FRANCHE “Genetic transformation of forest trees”

10<sup>h30</sup>-11<sup>h00</sup>: Coffee brake

11<sup>h00</sup>-11<sup>h15</sup>: OC20S3: Mohamed Rabie EL-AKHAL “Genetic diversity of rhizobial isolates obtained from root nodules of *Arachis hypogaea* in northwestern Morocco”

11<sup>h15</sup>-11<sup>h30</sup>: OC21S3: Wafa JALLOULI “Overcome of *Photorhabdus* limitations of production and overproduction of corresponding bioinsecticides by fermentation”

11<sup>h30</sup>-11<sup>h45</sup>: OC22S3: Saoussen BEN KHEDHER “Development of a new generation of *Bacillus thuringiensis* bioinsecticides based on asporogenic and oligosporogenic mutants”

11<sup>h45</sup>-12<sup>h00</sup>: OC23 S3: Igor KOVALCHUK “Improved transformation of tobacco and wheat plants via modification of homologous recombination frequency”

12<sup>h00</sup>-12<sup>h15</sup>: OC24 S3: Maher CHAOUACHI “A High-Throughput Multiplex Method adapted for GMO Detection”

12<sup>h15</sup>-12<sup>h30</sup>: OC25 S3: Farid MAI “Influence of differentiation state, salt stress and Methyl jasmonate on in vitro production of cucurbitacins from tissue cultures of *Ecballium elaterium* and *Cucumis prophetarum*”

12 h30-14 h00: Lunch

14<sup>h00</sup>-15<sup>h00</sup>: Poster visit

**15<sup>h00</sup>-16<sup>h00</sup> : Chairperson: Pr. S. Sayadi**

PC 7: Pr. Hitoshi MIYAZAKI " Effects of Olive Leaf Compounds on the Functions of Vasculature and Ovary"

**16 h00-18 h00: Chairpersons: Pr. N. Drira & R. Frutos**

16<sup>h00</sup>-16<sup>h30</sup>: TC7-S3: Pr. Frank MOLINA “BaSysBio, a systems biology approach for *Bacillus Subtilis* modelling”

16<sup>h30</sup>-17<sup>h00</sup>: Coffee brake

17<sup>h00</sup>-17<sup>h15</sup>: OC26 S3: Samia DALDOUL “Cloning of full length cDNA for *Vitis vinifera* SIP/raffinose synthase related to salt stress response”

17<sup>h15</sup>-17<sup>h30</sup>: OC27 S3: Khan GOHARTAJ “Alteration of ABA mediated resistance against *Alternaria* blight in *Brassica* through osmotin gene transformation”

17<sup>h30</sup>-17<sup>h45</sup>: OC28 S3: Bassam AL-SAFADI “Selection of potato mutants tolerant to salinity using *in vitro* and DNA marker techniques”

17<sup>h45</sup>-18<sup>h00</sup>: OC29S3: Sameh SELLAMI “Overexpression of the Vegetative Insecticidal Protein of *Bacillus thuringiensis* during vegetative growth and sporulation phases”

**Thursday, May 8<sup>th</sup> :**

**9<sup>h00</sup>-10<sup>h00</sup> : Chairperson: Pr. H. Louzir**

PC8: Pr. S. Chauhan VIRANDER., “Development of Malaria Vaccine: Current Scenario”

**10<sup>h00</sup>-12<sup>h45</sup>: Chairperson: Pr M. N. Marzouki & Pr. K. Masmoudi**

10<sup>h00</sup>-10<sup>h30</sup>: TC8-S3: Pr. Nouredine DRIRA "Biotechnologie et déterminisme du sexe chez les végétaux supérieurs"

10<sup>h30</sup>-11<sup>h00</sup>: Coffee brake

11<sup>h00</sup>-11<sup>h30</sup>: TC9-S3: Pr. Mahmoud SAKER “Plant Biotechnology in Egypt: Current Status and Future Scenarios”

11<sup>h</sup>30-11<sup>h</sup>45: OC30 S3: **Rafiq MUHAMMAD** “Production of azadirachtin through in vitro culture of neem (*Azadirachta indica* A. Juss)”  
11<sup>h</sup>45-12<sup>h</sup>00:OC31 S3: **J. SATHEESH** “microbial technology of *Bacillus thuringiensis* var. kurstaki (berliner) formulation against defoliator PODOPTERA LITURA (*Fabricius*) in groundnut (*Arachis hypogea*)”  
12<sup>h</sup>00-12<sup>h</sup> 15: OC32 S3: **Mohammed Najib SAIDI** “Molecular investigation of brittle leaf disease affected date palm (phoenix *Dactylifera* L) leaves”  
12<sup>h</sup>15-12<sup>h</sup>30: OC 33 S3: **Halima EL-HATMI** “*protective whey proteins from camel (cAMELUS DROMEDARIUS) milk*”  
12<sup>h</sup>30-12<sup>h</sup>45: OC34 S3: **Houda HANANA** “Primary cultures of heart cells from the clam *Ruditapes decussatus* as an alternative method for ecotoxicological studies”  
12<sup>h</sup>45-13<sup>h</sup>15: Closing ceremony  
13<sup>h</sup>15-14<sup>h</sup>45: Lunch  
15h00- Touristic trip  
20h00 Dinner-Ceremony

## Satellite Sessions

Monday, May 5<sup>th</sup>

**Satellite1**  
**Innovative Biotechnology**  
**PROMEMBRANE International Conference:**

9<sup>h</sup>00-10<sup>h</sup>00 : PC 4

10<sup>h</sup>00-10<sup>h</sup>315: Opening ceremony and welcome to PROMEMBRANE International Conference:

Prof. Sami Sayadi

10<sup>h</sup>15-10<sup>h</sup>30: Presentation of ProMembrane project :

Ms. Marisol Oropeza

10<sup>h</sup>30-11<sup>h</sup>00: Coffee brake

11<sup>h</sup>00-11<sup>h</sup>45: Key Note Lecture: Current water scarcity situation in MENA countries: an overview Mourad Bino (to be confirmed)

11<sup>h</sup>45-12<sup>h</sup>30: Key Note Lecture: Visualization and quantification of membrane properties at the nano-scale

Prof. Nidal Hilal

12<sup>h</sup>30-14<sup>h</sup>00: Lunch

14<sup>h</sup>00-15<sup>h</sup>00: Opening Fair and visit to the stands

15<sup>h</sup>00-15<sup>h</sup>30 : Nanotechnologies and membrane engineering at the core of water and related questions in Mediterranean and Middle-East countries :

Prof. Gilbert M. Rios

15<sup>h</sup>30-16<sup>h</sup>00 : Water recovery, reuse and advanced products formulations with integrated membrane operations: Enrico Drioli

16<sup>h</sup>00-16<sup>h</sup>10 : Young Scientist Award: Results and Certificate deliverance

16<sup>h</sup>10-16<sup>h</sup>30 : Young Scientist Award North Africa: 1<sup>st</sup> place

Anaerobic membrane bioreactor treatment of domestic and agro-industrial wastewaters in Tunisia

Ahlem Saddoud (Tunisia)

16<sup>h</sup>30-17<sup>h</sup>00: Coffee brake

17<sup>h</sup>00-17<sup>h</sup>20: MBR technology: towards the search of an innovative and suitable wastewater treatment solution for isolated areas

Miguel Ángel Orbaneja

Bioazul S.L. (Spain)

17<sup>h</sup>20-17<sup>h</sup>40: Young Scientist Award Middle East: 1<sup>st</sup> place

Optimization of membrane bioreactor system integrated with cross flow membrane filtration

17<sup>h</sup>40-18<sup>h</sup>00: Mohammad Issa (Syria): Membranes in the sanitation field Barreto Leonelha: ttz Bremerhaven (Germany)

18<sup>h</sup>00-18<sup>h</sup>30: Panel discussion: Moderator: Dr Drioli

## Tuesday, May 6<sup>th</sup>

<p style="text-align: center;"><b>Satellite 1</b> <b>Innovative Biotechnology</b></p>	<p style="text-align: center;"><b>Satellite 2</b> <b>- Biosafety and Quality Management in biotechnology laboratories</b></p>	<p style="text-align: center;"><b>Satellite 3</b> <b>Eurohear: Advances in hearing science: from functional genomics to therapies</b></p>
<p>9<sup>h</sup>00-10<sup>h</sup>00 : Key Note Lecture: Membrane Bioreactor Technology: Design and Applications Dr Tom Arnot (to be confirmed)</p> <p>9<sup>h</sup>30-9<sup>h</sup>50 : Young Scientist Award North Africa: 2<sup>nd</sup> place: Sally Ibrahim (Egypt)</p> <p>9<sup>h</sup>50-10<sup>h</sup>10: Young Scientist Award Middle East: 2<sup>nd</sup> place</p> <p>Membrane used for water treatment Daad Hassan (Syria)</p> <p>10<sup>h</sup>10-10<sup>h</sup>30: Panel discussion Moderator: Dr Schories</p> <p>10<sup>h</sup>30-11<sup>h</sup>00: Coffee brake</p> <p>11<sup>h</sup>00-11<sup>h</sup>20: Advancing membrane technologies for wastewater treatment and effluent reclamation in selected Arab Mediterranean and North African countries Dr. Rashed Al-Sa`ed: Birzeit University (Palestine)</p> <p>11<sup>h</sup>20-11<sup>h</sup>40: Applying the MBR technology in wastewater treatment with reuse of wastewater on coastal areas in Croatia Alena Vlastic: Water Management Institute (Croatia)</p> <p>11<sup>h</sup>40-12<sup>h</sup>00: Membrane operations for water purification Dr. Alberto Figoli: Institute on Membrane Technology (ITM-CNR),Italy</p> <p>12<sup>h</sup>00-12<sup>h</sup>30: Current water scarcity situation in the Middle East Prof. Adnan J. Ghata and Prof. Fouad Atallah <i>Director of Training &amp;Development, Al-Baath</i></p>	<p>9<sup>h</sup>00-10<sup>h</sup>00 : PC 4</p> <p>10<sup>h</sup>00-10<sup>h</sup>30: -Quality management: what for ?: Dr. Roger Frutos</p> <p>10<sup>h</sup>30-11<sup>h</sup>00: Coffee brake</p> <p>11<sup>h</sup>00-11<sup>h</sup>30: Quality assurance for biotechnology laboratories: Dr. Roger Frutos</p> <p>11<sup>h</sup>30-12<sup>h</sup>30: Discussion: Chaired by Pr. Samir Jaoua</p> <p>12<sup>h</sup>30-14<sup>h</sup>00: Lunch</p>	<p>16<sup>h</sup>30-17<sup>h</sup>00: Coffee brake</p> <p>17 h 00-17 h20: Human Hereditary Deafness in Tunisia: Pr. Hammadi Ayadi</p> <p>17<sup>h</sup>20-17<sup>h</sup>30: OC1: GJB2 mutation 35delG: Prevalence in Algeria and further evidence for founder effect:Imen Amar</p> <p>17<sup>h</sup>30-17<sup>h</sup>40: OC2: “Mutational analysis of the mitochondrial 12s rRNA, the tRNA<sup>Ser</sup>(UCN) and the tRNA<sup>Leu</sup>(UUR) genes in Tunisian patients with nonsyndromic inherited hearing loss: Emna Mkaouar-Rebai</p> <p>17<sup>h</sup>40-17<sup>h</sup>50: OC3: Novel mutations in the <i>TMPRSS3</i> gene in Spanish DFNB8/10 families with autosomal recessive non-syndromic hearing impairment: Dr. Antonio VIÑUELA</p> <p>17<sup>h</sup>50-18<sup>h</sup>00: OC3: Redefining the DFNB33 locus to the chromosome 10p11.23-q21.1: Hanen Belguith</p>

<p>University (Syria)</p> <p>12<sup>h</sup>30-14<sup>h</sup>00: Lunch</p> <p>14<sup>h</sup>00-14<sup>h</sup>30: Potential and examples for applications of membrane technology in water treatment</p> <p>Dr. Gerhard Schories Tech. Dir. Environmental Institute, ttz Bremerhaven (Germany)</p> <p>14<sup>h</sup>30-14<sup>h</sup>50: Membrane bioreactor for wastewater treatment: overview and application in Egypt</p> <p>Prof. Hussein Abdel-Shafy Water Research &amp; Pollution Control Dept., National Research Centre (Egypt)</p> <p>14<sup>h</sup>50-15<sup>h</sup>10: Membrane operations for water purification</p> <p>Dr. Alberto Figoli: Institute on Membrane Technology (ITM-CNR),Italy</p> <p>15<sup>h</sup>10-15<sup>h</sup>30: PV-RO desalination stand-alone system in the village of Ksar Ghilène (Tunisia). Vanessa Milan (or co-author) Spain</p> <p>15<sup>h</sup>30-15<sup>h</sup>50 : Young Scientist Award North Africa: 3<sup>rd</sup> place :Firas Feki (Tunisia)</p> <p>15<sup>h</sup>50-16<sup>h</sup>10 : Young Scientist Award Middle East: 3<sup>rd</sup> place</p> <p>Treatment of water with high (TDS , hardness , SO4--,and H2S) by using Reverse Osmosis system and the problems (scaling salts) of membrane : Shadi Shaheen (Syria)</p> <p>16<sup>h</sup>10-16<sup>h</sup>30 : Panel discussion Moderator: Dr Rashed Al-Sa'ed</p> <p>16<sup>h</sup>30-17<sup>h</sup>00: Coffee brake</p> <p>17<sup>h</sup>00-17<sup>h</sup>30: Conclusions and Closing of the Conference</p>		
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## Wednesday, May 7<sup>th</sup>

<p style="text-align: center;"><b>Satellite 3</b></p> <p style="text-align: center;"><b>Eurohear: Advances in hearing science: from functional genomics to therapies</b></p>	<p style="text-align: center;"><b>Satellite 4</b></p> <p style="text-align: center;"><b>Seame, a treasure of healthy benefits</b></p>	<p style="text-align: center;"><b>Satellite 5</b></p> <p style="text-align: center;"><b>Developments for biotechnological research: success stories and networking</b></p>
<p>9<sup>h</sup>00-10<sup>h</sup>00 : PC 6            10<sup>h</sup>00-10<sup>h</sup>30: TC: Mammalian sound amplification, towards a molecular map of the auditory hair cell lateral wall: Dr. Aziz EL-Amraoui            10<sup>h</sup>30-11<sup>h</sup>00: Coffee brake            11<sup>h</sup>00-11<sup>h</sup>15: OC4: Mutations in the human miR-96, a microRNA expressed in the inner ear, causes non-syndromic progressive hearing loss” Ángeles MENCÍA RODRÍGUEZ            11<sup>h</sup>15-11<sup>h</sup>30: OC5: Mutations of a novel gene are responsible for recessively inherited nonsyndromic hearing loss, <i>DFNB63</i>: Dr. Saber Masmoudi            11<sup>h</sup>30-11<sup>h</sup>45 : OC6: Large scale computational model of the cochlea of inner ear: predictions about the cochlear cellular amplifier and mutations in the potassium-transport related genes: Dr. Mistrík PAVEL            11<sup>h</sup>45-12<sup>h</sup>00: OC7: Effects of mobile Ca<sup>2+</sup> buffer deficiency on the IHC synaptic transmission: Dr. Tina PANGRŠIČ            12<sup>h</sup>00-12<sup>h</sup>15: OC8: Interactions between myosin VI and interacting proteins in the sensory hair cell: Tamar Tenne            12<sup>h</sup>15-12<sup>h</sup>30: OC9: :prevention of hair cell death in transcription factors <i>Pou4f3</i> and <i>Gfi1</i> knockout mice using anti-apoptotic factors: Orna ATAR            12<sup>h</sup>30-14<sup>h</sup>00: Lunch            14<sup>h</sup>00-15<sup>h</sup>00: Dissemination and FP7 HEALTH conference” by Laurent CHARVIN            16<sup>h</sup>00-17<sup>h</sup>00: PC: Pr.            17<sup>h</sup>00-18<sup>h</sup>: Round table cheered by Pr. Christine PETIT “Eurohear Project and research on hearing: present and future”</p>	<p>9<sup>h</sup>00-10<sup>h</sup>00 : PC 6            10<sup>h</sup>00 - 10<sup>h</sup>15: Sesame based foods: Technological processing: (Confiserie Triki)            10<sup>h</sup>15 - 10<sup>h</sup>30: Policy related to sesame use in agro-industry: Mr Mohamed Ben Rejeb (CTAA)             10<sup>h</sup>30-11<sup>h</sup>00: Coffee brake            10<sup>h</sup>00 - 10<sup>h</sup>20: Lipides: nutrition et obésité Pr Robert Verger (France)            11<sup>h</sup>20-11<sup>h</sup>35: Digestibilité et stabilité de l’huile de sésame: Pr Youssef Gargouri (ENIS)            11<sup>h</sup>30-11<sup>h</sup>40: Lipides et diabetes: Yassine Ben Ali            11<sup>h</sup>40-11<sup>h</sup>55: Effets bénéfiques du sésame sur la santé humaine: Dr Mouna Mnif            11<sup>h</sup>55-12<sup>h</sup>10: Apports nutritionnels du sésame: Dr.XXX            Discussion            12<sup>h</sup>30-14<sup>h</sup>00: Lunch            14<sup>h</sup>00-15<sup>h</sup>00: Réunion/débat spécifique: consommateurs et presse : Mr Nabil Triki</p>	<p>14<sup>h</sup>00-15<sup>h</sup>00: Poster visit            15<sup>h</sup>00-16<sup>h</sup>00 : PC 7            16<sup>h</sup>00-16<sup>h</sup>20: Analysis of water for pesticides....using 2D LCMSMS: Mr Loïc BEYET             16<sup>h</sup>20-16<sup>h</sup>40: The next generation sequencer for genomic analysis has arrived: SOLID System: Mr Marco Pirota            16<sup>h</sup>40-17<sup>h</sup>00: Coffee brake            17<sup>h</sup>00-17<sup>h</sup>30: Biotechnology in Malaysia: Pr. Abdellatif IBRAHIM, Malaysia            17<sup>h</sup>30-17<sup>h</sup>45: NEPAD/North Africa Biosciences Network (NABNet): Promoting Biotechnology projects: Pr. Mohamed Elarbi Aouani            17<sup>h</sup>45-18<sup>h</sup>00: Construction of a novel multifunctional extracellular matrix-bound epidermal growth factor for tissue engineering: Dr Imen Elloumi</p>

**Thursday May 8<sup>th</sup>:**

**Satellite 6**

**Incubating innovations (Start-ups, Spin-offs): From opportunities to Innovative companies**

9<sup>h</sup>00-10<sup>h</sup>00 : PC 8

10<sup>h</sup>00 - 10<sup>h</sup>10: CBS-innovation : strategy and logistic : Pr Hammadi Ayadi (CBS)

10<sup>h</sup>10 - 10<sup>h</sup>20: Success stories of biotechnology transfer from CBS: Pr Sami Sayadi (CBS)

10<sup>h</sup>20 - 10<sup>h</sup>30: Spin-off stories from CBS incubator: Mr Ramzi Trigui, M<sup>elle</sup> Hajer Yaakoubi, M<sup>elle</sup> Sana Smaoui

10<sup>h</sup>30 - 10<sup>h</sup>45: Panel discussion

10<sup>h</sup>45-11<sup>h</sup>00: Coffee brake

11<sup>h</sup>00-11<sup>h</sup>15: Incitations for innovating companies: Dr Ikram Makni ( Business Center of Sfax, Tunisia)

11<sup>h</sup>15-11<sup>h</sup>35: INSERM- transfer expertise in biotechnology: Mallory Wolff (INSERM-TRANSFER, France)

11<sup>h</sup>35-11<sup>h</sup>55: Technology transfer and spin off mechanism in biotechnology, current challenges and practical examples from Germany: Frank Graage (Germany)

11h55-12h30: Discussion: Good practices for innovation in CBS: perspectives and consequences: Chaired by Ing. Gerhard Ebert and Pr. Daniel Thomas

12<sup>h</sup>30-14<sup>h</sup>00: Lunch