



## **8<sup>th</sup> SCHOOL OF PURE AND APPLIED BIOPHYSICS** **Venice, January 26 - January 30, 2004**

### **Aim of the school**

The School focuses on biophysical topics in the area of contemporary research. The selected subjects will draw young researchers' attention to frontier research themes which are considered of remarkable scientific and educational impact. The School will be held in the magnificent Palazzo Loredan, the premises of the Istituto di Scienze Lettere ed Arti, located in the historical centre of Venice. The School will be on:

### **Ion channels and transporters in plant cells**

Main topics:

#### **1. Introduction to ion transport in plant cells**

- \* *Ion transport in plants: an overview*
- \* *Molecular biology of plant transporters*
- \* *Electrophysiology of plant transporters*

#### **2. Plant plasma membrane**

- \* *Characterisation of plant plasma membrane transport systems*
- \* *Anion channels in plants*
- \* *Plant stomata: from biophysics to physiology*

#### **3. Plant vacuoles**

- \* *Vacuolar ion channels in higher plants*
- \* *Vacuolar transporters*



The confirmed lecturers are: HELENE **BARBIER-BRYGOO** (France), DIRK **BECKER** (Germany), ARMANDO **CARPANETO** (Italy), KATRIN **CZEMPINSKI** (Germany), RAINER **HEDRICH** (Germany), ENRICO **MARTINOIA** (Switzerland), DALE **SANDERS** (UK), HERVÉ **SENTENAC** (France), SABINE **ZIMMERMANN** (France)

The number of students admitted is restricted to 30.

The participation fee is 250 Euro which includes four nights' accommodation and attendance at the lessons.

The school will take place only if a minimum number of participants is reached. **Pre-registration must be submitted on line using the application form available at**

<http://sibpa.itc.it/pages/scuola.html>

**Deadline for pre-registration is 30 November 2003.**

Applicants are admitted to the school by the Scientific Committee based on the information provided on the application form (short curriculum). The results of the selection will be individually communicated by e-mail (or phone). The payment must be performed within two weeks of notification of admission. Applications are encouraged from all young scientists (PhD students and post doctorals) interested in the topics of the school.

**Scientific Committee:** Giovanni Felice Azzone (Padova), Armando Carpaneto (Genova), Mauro Dalla Serra (Trento), Franco Gambale (Genova), Giovanni Giacometti (Padova) and Giorgio M. Giacometti (Director of the School, Padova)

Further information can be obtained from

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