The focus of this Summer School is to provide knowledge on latest generation biophysics techniques, for the study of water and ion channels in health and disease, through lectures and laboratory activities. Scientists with a longstanding experience in the biophysics of channel proteins will train the next generation of young researchers to the use of various platforms, taking problems of basic and translational research as a starting point.

**INVITED SPEAKERS**

Valentina Benfenati  
CNR-Institute of the Organic Synthesis and Photoreactivity, Bologna, Italy

Eliana Scemes  
New York Medical College  
New York, USA

David C. Spray  
Einstein College of Medicine  
New York, USA

Aldebaran M. Hofer  
Harvard Medical School  
Boston, USA

Konstantinos Lefkimmiatis  
Institute of Molecular Medicine, Padova, Italy

**Application deadline: April 27 2018**

**Training Credits** - The Summer School will provide training credits: 4 CFU

**Language** - English

**Participants** - 30 participants (Bachelor and Master degree students, PhD students and Post Doc researchers) interested in the Physiology and Biophysics of Channel Proteins

**Fee** - Free of charge - Financed by Cohesion Action Plan funds - agreed with the European Commission and managed by Apulia Region- and by MASMEC S.p.A.

**Contact**

**Summer School Director**  
Prof. Grazia Paola Nicchia  
Tel 080 5443335  
email: graziapaola.nicchia@uniba.it

**Scientific Committee**

Prof. Giuseppe Calamita  
Prof. Monica Carmosino  
Prof. Antonio Frigeri  
Prof. Grazia Paola Nicchia  
Prof. Giuseppe Procino  
Prof. Grazia Tamma  
Prof. Maria Svelto  
Prof. Giovanna Valenti

**Organization Committee**

Dr Patrizia Gena  
Dr Andrea Gerbino  
Dr Maria Grazia Mola  
Dr Francesco Pisani  
Dr Marianna Ranieri