

# CNR – Institute for Electromagnetic Sensing of the Environment, Naples – Italy

## Bioelectromagnetics Unit

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- ✓ **Investigation of biological effects in mammalian cell cultures after EMF exposure and co-exposures**
  - ✓ **EMFs – exposure systems set up and dosimetry**

### **HIGH VOLTAGE ELECTRIC PULSES**

$\mu$ s pulsed electric fields:  
new strategies for  
Electrochemotherapy

ns pulsed electric fields:  
set up of pulse  
generation systems and  
biological interaction  
mechanisms

### **ELECTROMAGNETIC FIELDS**

Co-exposure to EMFs and chemical or physical agents: to  
evaluate the effect of combined treatments

RF-induced Adaptive Response: to reduce the radio- and  
chemo-therapy- induced toxicity in healthy tissues