

## **Sabato D'Auria**

**Position** Senior Scientist with a tenured position

**Organisation** Institute of protein Biochemistry, CNR

---

### **Professional specialisation or role in organisation**

- Protein Biochemistry – Design and Development of advanced Biosensors for analytes of social interest

### **Areas of expertise**

- Biochemistry
- Biotechnology
- Biosensors
- Protein Fluorescence
- Thermophiles

### **Capabilities**

- Protein Isolation and Characterization
- Biosensor Design
- Enzyme identification
- Fluorescence characterization of proteins
- Protein-protein interactions
- Surface plasmon resonance studies

### **Field of application**

- Food safety and food production
- Bioterrorism
- Human disease
- Basic Science

### **Recent projects**

Italian Space Agency: Biosensors for aged people

NATO – Grant with Russia

NATO grant with Bulgaria

International grant with South Korea

International grant with Austria

### **Facilities**

- State-of-art for protein fluorescence experiments
- Fluorescence Correlation Spectroscopy
- Surface Plasmon Resonance
- Mass spectrometry
- Circular Dichroism
- Stopped-Flow
- Fermenter for Bacterial Growth
- HPLC

### **Facility availability**

- Edman Degradation
- Synthesis and sequence of DNA

### **Publication track record**

For update publication record, please, consult Pubmed, ISI, etc