

## **Event report Italian Sweden Bilateral Symposium in Organic Bioelectronics and sustainability (BEES) - date 26-27/10/2023**

*BEES is the first platform to discuss the new trends in the field of organic bioelectronics, by gathering scientists from the Italian and Swedish scientific communities working on innovative bioelectronic materials, devices, and their applications. The scientific program covers among other topics: aspects of sustainable synthesis, alternative raw materials, advanced materials, unconventional device fabrication, and related applications in sensing, implantable devices, tissue engineering, and energy harvesting with the aim of fostering interaction and opportunities to strengthen the bilateral collaboration.*

### **Program/Banner**

*the detailed program is shown in the first page of the booklet of abstract <https://www.openaccessrepository.it/record/143353>*

### **Participation**

*All participants listed in the program and book of abstract that can be found here <https://www.openaccessrepository.it/record/143353>*

### **Feedback**

*Very strong feedback on the role of sustainability as a main driver for the development of organic materials. During the event I described MUSA approach within Spoke 1 on the use of agri-food waste as an alternative source of raw materials for bioelectronics. The general consensus was very positive and several participants supported the idea to repeat the workshop for next year and to strengthen the relationships between the two countries on a common agenda for the development of sustainable solutions for printed electronics.*

### **Strengths**

*The event involved only invited speakers with solid experience and track record in the field. The scientific quality of the discussion and the involvement of stakeholders having the capability to impact on the political agenda of the research institution involved holds promises for a sizable impact.*

### **Weaknesses**

*Limited number of young researchers involved, yet this limits should be overcome in the next event planned for 2024.*

## **Output**

*The event represented the first bilateral platform to exchange ideas and discuss the prospects and challenges of the next generation of sustainable bioelectronics – an area that integrates chemistry, biology, and electronics and which aims to promote resource conservation while minimizing waste production in different applications. Besides from a number of scientifically relevant talks and multiple bilateral discussions, The program closed with a round table discussion led by Prof. Anna Herland and attended by, in addition to the Scientific Attaché, Prof. Luisa Torsi, vice president of the CNR, Prof. Gianluca Farinola, president of the Italian Chemistry Society, Dr. Lucas Pettersson, responsible for international collaborations of the Swedish Research Council, Prof. Simone Fabiano of Linköping University and Wallenberg Academy Fellow, and Prof. Peter Andersson Ersman, responsible for research and development activities in bioelectronics at the RISE Research Institutes of Sweden. The discussion addressed various topics, including possible initiatives aimed at encouraging greater collaboration in this sector between researchers from the two Countries. Emphasis was placed on the role of the institutions involved to encourage research, the exchange of young researchers, and to involve SMEs and startups, the latter being particularly active in Sweden. The discussion touched also on the role of scientific associations such as Chemical Societies in influencing the political agenda, defining new standards and identifying the market prospects of bioelectronics in different applications.*

## **Links and multimedia materials available about it**

<https://innovitalia.esteri.it/notizia/stoccolma-innovazione-e-nuovi-materiali-per-la-bioelettronica>

<https://www.su.se/english/research/news-research/innovation-and-bioelectronics-italian-and-swedish-research-meet-in-stockholm-1.686950>