

## “Organic Bioelectronics in Medicine and Infection”

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**ABSTRACT:** Organic electronics are a group of materials that combine the versatility and flexibility of polymers with electronic conductivity. With the help of these conducting polymers, it becomes possible to built electronic devices from materials that have the same look and feel as the plastics, which we are using in our everyday life. Really interesting is the fact that these materials can change their physical properties depending on how we address them electronically. That means, we can actively transform one material into another by applying an electrical potential. We are investigating the use of these materials in life science and medical applications as active surfaces for cell attachment, as delivery devices for neuroactive substances or as sensors for bacterial infection.



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←アクセスマップ (参加費無料)

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