



**Eurecat Cerdanyola**  
 Universitat Autònoma, 23, 08290  
 Av. Cerdanyola del Vallès  
**24th January 2020**  
 09:00h-13:00h

Under the framework of **Optogenerap** project, Eurecat organises this event to present the latest advances in materials and technologies for healthcare and medical applications.

During the event, the **potential of combining optogenetics with novel functional printing, and electronics technologies for the development of medical devices** will be illustrated via Optogenerap's project success case. It will also cover the **latest innovations in biocompatible, plastics, textiles solutions and others materials** for the health sector and a visit to Eurecat's **Plastronics Pilot Plant**, enabling an orderly combination of different manufacturing processes with great potential for the development of medical applications.

**Why you should assist?**

- If you are a company, organisation or start-up interested in knowing about the latest innovations in technologies and materials for biomedical and healthcare applications.
- If you are a manufacturer, tester or distributor of biomedical and health devices.
- If you are interested in R&D in health and medicine and want to know about what was achieved in Optogenerap EU project.

**AGENDA**

**09:00 Registration**

**09:15 Institutional welcome**

- **Francesc Massana**, Business Development, Health & Sport Industries at **Eurecat**

**09:30 Optogenerap Case: The first wireless cell-based biophotonic implantable device, results' overview and challenges**

- **Biotza Gutiérrez**, Optogenerap Project Coordinator from **Eurecat's Public Programmes**
- **Marc Folcher**, Senior Scientist and Lecturer in bioengineering in the Department of Biosystems Science and Engineering at **ETHZ, Optogenerap's Technical Coordinator**
- **Françoise Piquet**, Researcher, **NEUROGENCELL, INSERM U1127**
- **Daniel Canavan**, Researcher and Development Engineer in **Boston Scientific, Clonmel**

**10:00 Advanced medical materials: biomaterials, plastic materials & composites**

- **Carlos Saez**, Senior Researcher in the Unit of Polymeric Materials and Processes at **Eurecat**

**10:15 Flexible printed electronics concepts and potential applications in the healthcare sector, success cases**

- **Alejandra Ben Aissa**, Researcher at Functional Printing & Embedded Devices Unit at **Eurecat**

**10:30 Coffee Break**

**11:00 Functional textiles and wearables**

- **Virginia Garcia**, Director of Functional Textiles Unit at **Eurecat**

**11:15 Biotechnologies (omics sciences and nutrition & health services)**

- **Pedro Nadal**, Biotechnology Business Development Manager at **Eurecat**

**11:30 Product Development in Medical Sector**

- **Liberto Ascanio**, Project Manager at **Eurecat**

**11:45 Ultrasonic Moulding, an enabling technology for manufacturing complex micro pieces for the biomedical sector**

- **Joaquín Rodríguez**, R&D Project Manager at **Ultrason**

**12:00 Optical systems for medical devices and medical applications**

- **Thomas Siegel**, Head of R&D at **ASE Optics Europe**

**12:15 Medical Technology Solution. Cranial and spinal neurosurgery innovative devices capturing the demands of the surgical market**

- **Alba de los Santos**, R&D Engineer & Project Manager at **Neos Surgery**

**12:30 Visit to Eurecat's Plastronics Pilot Plant**

- **Enric Fontdecaba**, Director of **Eurecat's Polymeric Materials Unit**
- **Xavier Calzadilla**, Printing Lab Manager, **Functional Plastics Pilot plant**

**13:00 Event Closure. Networking Lunch Break**

- **Francesc Massana**, Business Development, Health & Sport Industries at **Eurecat**