

HOT TOPIC DAY

Parenteral Controlled Drug Delivery

24 November 2026, Lille, France



Long-acting suspensions

In-situ forming implants

3D (bio-)printed systems

Release mechanisms

Polymers

In vitro release set ups

Periodontitis

Parenteral controlled drug delivery systems are steadily gaining in importance, more and more products are reaching the market. However, their development and production are often highly challenging. This can in great part be attributed to their complexity.

The aim of this “Hot Topic Day” is to give an update on the current state of the art in this field and to provide an outlook on future developments. A broad range of aspects will be covered, including the mechanistic understanding of how these systems work, the synthesis of novel polymers acting as matrix formers as well as cutting-edge

characterization techniques: in particular, adequate *in vitro* drug release set-ups. A variety of dosage forms will be treated, such as long-acting suspensions, *in-situ* forming implants and personalized, 3D printed controlled release products. Periodontitis treatments using local controlled drug delivery systems will serve as an example to illustrate the potential benefits for the patient in terms of improved therapeutic efficacy and safety. Furthermore, 3D bioprinting will be addressed, including a presentation of commercially available inks, potential pitfalls and opportunities.

Institutional partners

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PROGRAMME

09:00 – 09:15	Welcome
09:15 – 09:45	Prof. Juergen Siepmann, University of Lille, France <i>Drug release mechanisms of biodegradable delivery systems</i>
09:45 – 10:15	Prof. Sandra Van Vlierberghe, University of Ghent, Belgium <i>New polymers for parenteral controlled drug delivery</i>
10:15 – 10:45	Dr. Adolfo Lopez Noriega, Medincell, France <i>In-situ forming implants</i>
10:45 – 11:15	Coffee break
11:15 – 11:45	Prof. René Holm, University of Southern Denmark, Denmark <i>LAI (Long Acting Injectables) suspensions</i>
11:45 – 12:15	Prof. Jesper Ostergaard, University of Copenhagen, Denmark <i>In-vitro release set-ups</i>
12:15 – 13:45	Lunch break
13:45 – 14:15	Prof. Kevimy Agossa, University of Lille, France <i>Periodontitis: Pathology, treatments and challenges</i>
14:15 – 14:45	Prof. Florence Siepmann, University of Lille, France <i>Local controlled drug delivery systems for periodontitis treatments</i>
14:45 – 15:15	Dr. Martin Körber and Prof. Roland Bodmeier, Pensatech Pharma, Germany <i>Comparative evaluation of biodegradable microparticle, implant and in-situ implant technologies</i>
15:15 – 15:45	Coffee break
15:45 – 16:15	Dr. Jasper Van Hoorick, BIO INX, Belgium <i>Bioinks for 3D Printing of implants</i>
16:15 – 16:45	Prof. Jeremy Odent, University of Mons, Belgium <i>3D-Printed Implants for Controlled Drug Delivery</i>
16:45 – 16:50	Closing

Our Hot Topic Day will take place in the beautiful Palais de la bourse, 40 place du théâtre, Lille, **500 m walk from the railway stations**. Lille can be easily reached by train (TGV and Eurostar: 30 min from Brussels, 1h from Paris, 1.30 h from London), by plane (Lille Lesquin Airport, or Paris Charles de Gaulle Airport & 50 min by train), as well as by car.

REGISTRATION FEES

For APGI members

Student	40 € +20% VAT
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