



# Hot Topic Day “Colon targeting”

30<sup>th</sup> November 2021, Lille, France  
Onsite

The second “Hot Topic Day” of the APGI will be dedicated to a particularly challenging aim in pharmaceutical formulation :

## Site-specific drug delivery to the colon

The idea is to minimize drug release in the *upper* part of the gastro intestinal tract (stomach and small intestine), and to deliver the drug specifically to the colon. This type of systems can be very helpful to improve the efficacy of *local* drug treatments of the colon, such as chronic inflammatory bowel diseases (e.g., Crohn’s disease and ulcerative colitis). Also, the way could be paved for a holy grail in our field: The oral delivery of biopharmaceuticals for systemic action.

A variety of strategies has been proposed to allow for colon targeting, including dosage forms with polymeric coatings exhibiting pH dependent solubility; systems which are preferentially degraded by enzymes secreted by bacteria present in the colon; and/or “time-controlled” devices, which release the drug after a pre-programmed lag-time (e.g., due to the rupturing of an outer film coating). A large spectrum of excipients and manufacturing techniques has been suggested with more or less promising results in vitro and in vivo.

Yet, the variability of drug release at the target site remains high, and numerous technical and biological challenges remain to be addressed and overcome. The role of the human microbiome is still not fully understood and premature drug release in the *upper* gastro intestinal tract is often not sufficiently controlled.



World-wide leading experts in the field from academia and industry will present and discuss with the audience.

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More details on our website: [www.apgi.org](http://www.apgi.org)



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## PROGRAMME

9:00-9:10	Welcome
9:10-9:50	Prof. Juergen Siepmann, University of Lille, College of Pharmacy, France <i>Colon Targeting: General Principles</i>
9:50-10:30	Prof. Andrea Gazzaniga, University of Milano, Italy <i>Time-controlled formulation strategy for colon drug delivery</i>
10:30-11:00	Coffee break
11:00-11:40	Prof. Abdul Basit, University College London, College of Pharmacy, UK <i>To Hell and Back: Translating a Colon-targeted Drug Product from Academia to Clinical Practice</i>
11:40-12:20	Dr. Vipul Yadav, Intract Pharma, London, UK <i>Oral Gut-Targeted Delivery of Antibodies and Fusion Proteins</i>
12:20-14:00	Lunch break
14:00-14:40	Prof. Werner Weitschies, University of Greifswald, College of Pharmacy, Germany <i>Drug Delivery to the Colon: Insights from Imaging</i>
14:40-15:20	Dr. Frédéric Moens, ProDigest, Belgium <i>Advanced in vitro release testing for colon targeting</i>
15:20-15:50	Coffee break
15:50-16:30	Dr. Laurent Dubuquoy, University of Lille, School of Medicine, France <i>Animal models for Inflammatory Bowel Diseases</i>
16:30-17:10	Dr. Giustino di Pretoro, Janssen, Beerse, Belgium <i>Is the Dog a Suitable Model for Testing Oral Colonic Drug Delivery Systems?</i>
17:10-17:15	Closing

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*Our Hot Topic Day will take place in : Gare St-Sauveur, 17 Boulevard Jean-Baptiste Lebas, Lille. Subway : line 2, station “Mairie de Lille” or “Lille Grand Palais”*

*Lille can be easily reached by train (TGV and Eurostar: 30 min from Brussels, 50 min from Paris, 1.30 h from London), by plane (Lille Lesquin Airport, or Paris Charles de Gaulle Airport & 50 min by train, or Brussels International Airport & 2 x 30 min by train), as well as by car.*

## Registration fees

For APGI members: 50€ + 20% VAT for lunch and coffee breaks

Non APGI members are asked to become members for the year 2022. Please note that there is no automatic membership renewal for 2023. No action needs to be taken in case you do not want to stay member after 2023. Being a member in 2022 will also allow you to benefit from reduced or waived registration fees for other APGI events during that year. You will have to add 50€ for lunch and coffee breaks.

Membership fees:	Students	25€ + 20% VAT
	Academics	80€ + 20% VAT
	Industrials	195€ + 20% VAT
	Retirees	25€ + 20% VAT

Registration is open, do it directly on our website.

Don't hesitate to contact Laurence Houze: [apgi@apgi.org](mailto:apgi@apgi.org) to help you to organize your trip.

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