



*Groupe de Métabolisme et
Pharmacocinétique*

Group of Metabolism and Pharmacokinetics

GMP is an organization gathering together scientists from the industry or the university involved in the practice of bioanalytic, pharmacokinetic and metabolism studies, whatever the areas of application (pharmacy, agro-chemistry, agro-veterinary, environment).

EDITION PAR LA CONSEIL D'ADMINISTRATION DU **GMP 2021**

GMP Newsletter

July 2021

New in 2021: Grants for students

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Table of contents

Editorial	2
Sponsors of the 2021 GMP symposium	3
New venue for the 2021 symposium	4
Gala diner	5
Satellite sessions	6
Renewal of GMP board – Call for applications	7
Students corner	7
Grants for students	7
Student webinar.....	8
GMP BOARD 2021	9

Editorial

Dear colleagues, dear members of the GMP,

This year 2021 will be, we all hope, the year of the return to a physical congress for the GMP days. Our congress will indeed take place in Paris on the dates planned. However, the Institut Pasteur, initially planned as the site of our 2021 conference, does not currently offer sufficient guarantees to welcome us under the conditions initially planned. It is therefore, we will meet at the [Espaces Diderot](#) for GMP 2021 meeting. Thank you to the board of directors for having reacted quickly and succeeded in identifying a new Parisian site offering the required conditions for the successful organization of our congress.

The scientific committee has prepared a very beautiful program this year again, focused on the place of DMPK in the development of therapies based on pharmacologically active agents (small or large molecules) but also on cell-based treatments, vaccines, or via approaches integrating the microbiota.

On the agenda of our congress, sessions dedicated to: the optimization of the prediction of pharmacodynamic or toxicological effects via the use of "Organ-On-a-chip" assay systems, the regulatory strategy for bioequivalence studies and the predictive use of PBPK models, the role of microbiota in health, the therapeutics PK/PD challenges in viral (oncolytic) or antiviral (chemical) treatments, the use of PK in vaccine development, relevant biomarkers for personalized medicine, and the use of pharmacokinetics and pharmacodynamics in cell therapy.

This year, the Poster blitz session, which gives students the opportunity to present their work, will be chaired by Carla Troisi, winner of the GMP 2020 conference and member of the scientific committee.

Professor Dr. Michael Zimmerman (EMBL - Medicen) will be our keynote speaker and will talk about the contributions of the microbiota on drug metabolism and toxicity. The theme of the "on step aside" session will be dedicated to the history of vaccines from smallpox to COVID-19 by Professor Maxime Schwartz (Institut Pasteur).

Finally, as we did in 2019 in Lyon, two free satellite sessions will be offered on Wednesday mornings to GMP members: one done with the STP-PT group (pharmacological therapeutic follow-up and individualization of drug therapy), the other led by the company Lixoft (mathematical modeling of tumor growth).

I would like to thank all the colleagues of both the scientific and board committees who have worked all this year to offer you this high-quality program.

Furthermore, the GMP is setting up for the first time, student grants for its 2021 congress. The objective of these grants is to offer access to the congress to students interested in pharmacokinetics and other ADME areas.

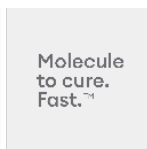
You will find all information related to our events and to these points in this newsletter.

But above all, we hope to see many of you at these GMP days on this new site and with this innovative scientific program which should allow us to meet, exchange and share together as we know so well how to do. Take care.

Yann Courbebaisse, President of GMP

Sponsors of the 2021 GMP symposium

A great thank you to our sponsors for their support!



New venue for the 2021 symposium

This year, the GMP symposium will be held in a beautiful place, **Espaces Diderot, 10 Rue Traversière, 75012 Paris, from 20 to 22 October 2021**. It is in the heart of Paris, very near to the Gare de Lyon. Its geographical situation is very convenient for all participants (trains, airports). [Espaces Diderot](#) also offer solutions for your accommodation. You can go to [Espaces Diderot Hébergement](#) for more information. You can book your hotel as soon as possible.

We look forward to you joining us in Paris!



Gala diner

To continue our scientific discussions and share a convivial moment, you are invited to the gala dinner on **Thursday October 21st 2021** from 7:30 pm at the [Baleine Blanche](#), 15-minute walk from Espaces Diderot and less than 200 meters of “quai de la gare” station (line 6). In the atypical setting of this houseboat with 2 decks, we will start with a delicious cocktail dinner. A dance party will then be proposed until 1 am.

Unwinding and cheerfulness guaranteed! An event you do not want to miss!



Satellite sessions

This year before the symposium, the GMP offers **two free satellite sessions for its members on the morning of Wednesday, October 20th (9h30-12h30) at Espace Diderot.**

Satellite 1: Treatment individualization: improving interactions between industry and hospital. (this session will be in French)

GMP and STP-PT (Suivi Thérapeutique Pharmacologique & Personnalisation des Traitements) group of SFPT (Société Française de Pharmacologie et de Thérapeutique) are happy to invite you to their first common session which will take place before the start of GMP 2021 symposium.



The objective of the session is to settle a dialog between the different stakeholders involved in treatment individualization, that is hospital practitioners, software developers, and scientists involved in industrial drug development, so that they can imagine together new solutions to improve treatment individualization.

The session will be chaired by Romain Guilhaumou, hospital practitioner and president of the STP-PT group, and **Florence Gattacceca**, associate professor and member of GMP board. Several facilitators from hospital, software and pharma companies have volunteered to present you during the first hour about their experiences and specific issues. After a coffee break to initiate the dialog, 1.5h will be devoted to a round-table, during which all attendees will be invited to feed the discussion. The outcome of these discussions will then be published.

Exchanges will take place in French. **Registration is free but mandatory.** We expect many of you, from hospitals, private companies and regulatory agencies. If you wish to participate, please send an email to Florence Gattacceca (florence.gattacceca@univ-amu.fr). **The number of seats is limited: first come, first served !**

Satellite 2: Tumor growth (session led by **Lixoft**). **This session will be in English.**

A variety of models based on differential equations have been published to describe tumor size data. This workshop will give an overview of the most common ones and their inclusion in a modular library, and will show modeling examples on real data.

It will consist of two parts. The first part will include an overview of the usual models for tumor growth, effect and delay of treatment, and their underlying assumptions, while the second part will examine the emergence of resistance and additional characteristics such as the angiogenesis and immune dynamics.

In this workshop, you will learn:

- How to choose an appropriate tumor growth model for your data and adapt it
- Good practices for parameter estimation, model diagnostics and simulations
- How to combine tumor growth with PK measurements or time to event data

Registration is free but mandatory then register quickly (fabrice.hurbin@sanofi.com): **places are limited: first come, first served !**

Renewal of GMP board – Call for applications

According to our rules, every year, the two most senior members of the GMP board are renewed. This year, the GMP president **Yann Courbebaisse** and the scientific committee consultant **Antoine Coquerel** will leave us after a 4 years of participation and involvement in the life of GMP, which allowed many innovations in GMP's life, such as the first GMP virtual symposium in 2020 or the establishment of a grant for students for your next symposium! Not to mention their involvement in the preparation of the symposium 2021!

Being a member of the board means:

- A personal investment in the life of the association: bimonthly teleconferences, one face to face working day in spring, organization of the symposium and of webinars, edition of the newsletter, communication, administration.
- A teamwork with wonderful moments of sharing, always in cheerfulness!

Join the GMP office, two positions are vacant. You will be elected for 4 years.

To apply, please send a short summary of your career path and professional interests, including your motivation to join the Board of GMP and a picture.

Applications should be sent by September 10th, 2021 at the latest to Fabrice Hurbin (fabrice.hurbin@sanofi.com). They will then be shared online, to proceed with the electronical vote of the members between September 20th and October 15th, 2021. The results of the election will be communicated to the members and the composition of the new board will be subjected to vote during the annual general assembly of GMP on October 21st, 2021.

We count on you!

Students corner

Grants for students

As part of 2021 GMP symposium that will take place at Espaces Diderot from October 20 to 22 the GMP is setting up **grants for students**.

The objective of these grants is to welcome within the GMP community students interested in pharmacokinetics, in order to make them discover the place of this specialty in research and development projects, and the different jobs in this field.

These grants are intended for **students enrolled in a Master 2 or equivalent (pharmacy, medicine, etc.) in 2019/2020, 2020/2021 or 2021/2022**.

The grant covers registration for the congress and the gala dinner. For provincial students, 2 hotel nights and round-trip transportation are also included.

The call for applications was closed as planned on July 30, 2021. We are happy to announce the name of the 3 students who were selected:

- **Hamza CHAREF** (Master 2 - Université Claude Bernard à Lyon)
- **Justine HENRIOT** (4th year of pharmacy - Université de Lorraine)
- **Anis NOUICHI** (Master 2 - Aix-Marseille Université)

Congratulation!

Student webinar

The poster is divided into two main sections. The left section has a blue background and contains the following text: a white plus sign, 'Webinaire étudiant: Les métiers de la PK', '28 mai 2021 de 13h à 14h30', the GMP logo (a blue cube), and the text 'GMP Groupe de Métabolisme et Pharmacocinétique'. The right section features a central image of a man in a graduation cap pointing forward. Above him are two quotes: '« La réunion d'aujourd'hui était très intéressante »' and '« Elle m'a donné une vue d'ensemble »'. A speech bubble next to him contains a graph. Below the image is the text '« ce webinaire était une excellente opportunité pour discuter avec des pharmacométriciens... ce qui m'a motivé à poursuivre mes études en thèse »' and 'PK WANTS YOU !' at the bottom.

On May 28, the GMP organized its first student webinar devoted to the pharmacokinetic professions. Through 4 talks of 20 minutes each, 5 professionals from the pharmaceutical industry allowed participants to discover 4 different professions from research to clinical development:

- Pharmacokinetic support in research by Massimiliano Fonsi, (Charles Rivers) and Madani Rachid (M&Y Chemical and Pharma Consulting)
- In vitro pharmacokinetics and the role of pre-clinical project team member by Agnès Poirier, (Roche)
- The role of pharmacokinetic team member in clinical projects by Sylvaine Cartot-Cotton (Sanofi)
- Pharmacokinetic modeling from the early phases to clinical development by Sylvain Fouliard (Servier)

At the end of the presentations, students had the opportunity for 30 minutes to ask questions to stakeholders via the chat. It was the place for a nice exchange.

This webinar turned out to be a real success with over 105 participants, both students (Master 1 & 2, PhD students / 86% from Pharmacy, 14% from science faculties) and teachers. We received a lot of very positive feedback about this webinar and we are very happy that it was able to meet expectations (60% of survey responders found it very useful and 40% useful). In vitro pharmacokinetics, preclinical and clinical pharmacokinetic development, and PK modeling are topics that participants would like to develop at an upcoming event.

If you would like to replay the webinar, go to [GMP student webinar](#). The presentations are available on the GMP website (accessible to members up to date with their subscription).

Thank you to all participants for their active contributions. We also especially thank the speakers Massimiliano, Madani, Agnès, Sylvaine and Sylvain as well as the organizers.

See you for a next student session!

GMP BOARD 2021

									
Président Yann Courbebaisse (Adocia)	Secrétaire Fabrice Hurbin (Sanofi)	Trésorier Massimiliano Fonsi (Charles River)	Présidente Comité Scientifique Quyen Nguyen (Ipsen)	Adjoint Comité Scientifique Antoine Coquerel (Université Caen Normandie)	Trésorier Adjoint Ashwani Sharma (Senzagen)	Conseiller Yannick Parmentier (Servier)	Conseiller Madani Rachid (Genoscience Pharma)	Conseillère Logistique Florence Gattacceca (Aix – Marseille Université)	Webmaster Eric Helmer (Galapagos)