

Dear experts,

It is a great pleasure to announce the 51st Conference of the European Metabolic Group taking place this year in Lyon from May 23 – 25, and to cordially invite you on behalf of Nutricia Metabolics.

Lyon is not new on the EMG map, it took us however 25 years to come back for a second visit. We are especially grateful to Professor Christine Vianey-Saban, who as young scientist had been involved already in the “first Lyon”-EMG and who did now propose a new and evolving main topic, clearly influenced not only by her research focus, but also by a specialty of Lyon. Usually inborn errors of degradation are in scope, but not this time. Inherited disorders of synthesis and issues with trafficking metabolites have been chosen by her. And the “Mysteries” of them are clearly inspired by Vieux Lyon and the slopes of Croix-Rousse, that are known for their narrow, sometimes hidden passageways called “traboules”, that pass through buildings and link streets on either side. That relates well to “metabolic” pathways as traboules are living examples of the importance of shortcuts, byways, secondary routes and passages still to be discovered.

Lyon is the 3rd largest town in France, located at the confluence of the rivers Rhône and Saône. It is a marvelous city with its historical centre being an UNESCO world heritage site, featuring architecture from the 12th century to modern times and being an exceptional testimony to the continuity of urban settlement on a site of great commercial and strategic significance. Known as major centre for banking, the chemical, pharmaceutical and biotech industries Lyon is also famous for its great innovation power.

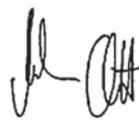
Our conference hotel is located in the fourth arrondissement, on the banks of the Saône River, close to many points of interest. It is offering ideal seminar facilities for a successful conference as well as the opportunity to get some fresh air in verdant surroundings on walking paths along the river.

Nutricia Metabolics will bear all conference costs except travel expenses. We kindly do ask you to register and indicate your choice of workshop **by March 08, 2019** the latest. In case you should not be able to attend this time, please send us a short message as soon as possible. This will give the opportunity to other interested colleagues to be invited.

Looking forward to welcoming you in Lyon.

With our best regards,


Beate Szczerbak


Markus Ott

Organisational remarks

Scientific organiser	Dr. Christine Vianey-Saban Centre de Biologie et de Pathologie Est Service de Biochimie & Biologie Moléculaire Dpt of Inborn Errors of Metabolism 59, boulevard Pinel 69677 Bron cedex, France ☎ +33 (0)4 72 12 96 94 ✉ +33 (0)4 72 12 97 20 christine.saban@chu-lyon.fr
Conference venue	Hotel Lyon Métropole 85, quai Joseph Gillet 69004 Lyon, France ☎ +33 (0)4 72 10 44 44 www.lyonmetropole.com
Conf. language	English
Arrival	Thursday, May 23, 2019 (individual travel arrangements)
Conference start	Thursday, May 23, 2019 approx. at 14:00 (lunch available from 12:30)
Conference end	Saturday, May 25, 2019 approx. at 15:00
Organised and sponsored by	Nutricia GmbH Metabolics Expert Centre D-A-CH Am Hauptbahnhof 18 60329 Frankfurt am Main, Germany ☎ +49 (0)69 71 91 35 46 11 ✉ +49 (0)69 71 91 35 46 99 EMG@nutricia.com

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EMG
EUROPEAN
METABOLIC
GROUP



**THE MYSTERIES OF SYNTHESIS
AND TRAFFICKING**

INVITATION

51st EMG Conference, Lyon

May 23–25, 2019





PRELIMINARY PROGRAMME

The mysteries of synthesis
and trafficking

Dear colleagues, dear Friends,

On behalf of the European Metabolic Group (EMG) Advisory Board and Nutricia Metabolics, it is my pleasure to invite you to the 51st Conference of the EMG, which will be held in Lyon, France, from Thursday, May 23rd to Saturday, May 25th, 2019.

It is the second time we host the EMG conference in Lyon: the first occasion was in 1994, a quarter of a century ago! Lyon, *Capitale des Gaules*, a UNESCO World Heritage site since 1998, is internationally known for its gastronomy as well as for its light festival, "La fête des Lumières". Lyon is also famous for its *Traboules* (from Latin *transambulare* which means "to cross"), somewhat secret passageways through houses of the old city, as illustrated on this invitation leaflet. The city has recently been awarded the title of "European Capital of Smart Tourism 2019" thanks to its trailblazing accomplishments in matter of digital innovations, environment friendliness and the quality of life of its residents.

The preliminary programme of this conference will focus on "The mysteries of synthesis & trafficking". While the majority of catabolic pathways, a new group of Inborn Errors of Metabolism, caused either by defects in synthesis pathways or in the trafficking of metabolites, is emerging. The speakers will initiate you or will deepen your knowledge on those disorders involving the metabolism of amino acids, complex lipids and complex sugars. We really hope that you will enjoy this programme as much as we enjoyed preparing it.

We are looking forward to welcoming you in Lyon.

With kindest regards,



Christine Vianey-Saban

MAIN TOPIC SESSIONS

Welcome and introduction

Christine Vianey-Saban, Lyon

I. Amino acid synthesis and transport

- Introduction to amino acid synthesis defects.

What can we miss?

Tom de Koning, Groningen

- Hereditary spastic paraplegia and inborn errors of metabolism

Fanny Mochel, Paris

II. Complex lipids synthesis and trafficking

- A journey through the synthesis and trafficking of complex lipids

Frédéric M. Vaz, Amsterdam

- Travelling from metabolic pathways to the jam of cellular trafficking defects

Carlo Dionisi-Vici, Rome

- Linking autophagy to urea cycle

Nicola Brunetti-Pierri, Naples

- Sphingolipidoses – what to measure?

Magali Pettazoni, Lyon

- Cardiolipin pathway defects

Saskia Wortmann-Hagemann, Salzburg/Munich

- LPIN1 deficiency – how to diagnose, how to treat?

Pascale de Lonlay, Paris

- Liver crises triggered by febrile infections: *NBAS* and *SCYL1*

Christian Staufner, Heidelberg

- Aminoacyl-tRNA synthetase deficiencies

Sabine Fuchs, Utrecht

- Disorders of lipoate synthesis and iron sulfur cluster biogenesis

Frederic Tort, Barcelona

III. Complex sugar synthesis and trafficking

- Inherited deficiencies of glycosylphosphatidylinositol (GPI) biosynthesis

Peter Krawitz, Bonn

- Immune deficiency and glycosylation defects

Eva Morava-Kozicz, Rochester

- Synthesis of glycogen

René Santer, Hamburg

EMG LECTURE

Andrea Ballabio, Naples/Houston

FREE COMMUNICATIONS

SPOTLIGHTS

WORKSHOPS

Workshops are held in parallel sessions – only one can be attended per participant.

1. Ketogenic diet in IEM (PDH, Glut1, GSDIII)

Sabine Scholl-Bürgi, Innsbruck/

Jörg Klepper, Aschaffenburg

2. Diagnostic and treatment of neurotransmitter disorders

Thomas Opladen, Heidelberg/Tomáš Honzík, Prague

3. Cholesterol biosynthesis defects

Dorothea Haas, Heidelberg/Massimiliano Rossi, Lyon

4. Management of adult patients with PKU

Alberto Burlina, Padova/Julia B. Hennermann, Mainz/

François Maillot, Tours