

Second training school COST INFOGUT

30th Sept & 1st Oct, 2026 | Clermont-Ferrand | FRANCE



TRAINING SCHOOL PROGRAMME

SCIENTIFIC and TECHNICAL SESSIONS

Université Clermont Auvergne and Ghent University

30th September & 1st October, 2026

Clermont-Ferrand, FRANCE



Training school on dynamic *in vitro* gut models

organized by **HOMIGUT** laboratory (UMR MEDIS and CMET)

in the framework of **INFOGUT** COST Action

More informations about
INFOGUT COST Action



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More informations about
HOMIGUT laboratory



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Funded by
the European Union

DAY 1 | 30th September, 2026

SCIENTIFIC SESSIONS

8:30 – 8:45

Welcoming participants and official opening of 2nd training school INFOGUT
Stéphanie Blanquet-Diot (Univ Clermont Auvergne, FR, vice-chair INFOGUT)
Tom Van de Wiele (Univ Ghent, BE)
Clarisse Nobre (Univ Minho, PT, WG2 leader)
Lucie Etienne-Mesmin (Univ Clermont Auvergne, FR, WG3 leader)

8:45 – 9:45

From Infogest to dynamic *in vitro* models of the upper digestive tract – towards the challenge of introducing small intestinal microbiota
Ludovica Marinelli (Univ Ghent, BE)
Elora Fournier (Univ Clermont Auvergne, FR)

9:45 – 10:45

Anaerobiosis in the human gut
Non-bacterial fractions: focus on archea and fungi
Khaled Fadhlou (Univ Clermont Auvergne, FR)
Benoit Marsaux (Prodigest, BE)

10:45 – 11:00

Coffee break



11:00 – 11:15

Group photo trainees and trainers

11:15 – 12:00

Mucus in the human gut and its integration in *in vitro* gut models
Tom Van de Wiele (Univ Ghent, BE)

12:00 – 13:00

Lunch



13:00 – 13:45

From static microbiome cultures to dynamic gut simulators: *in vitro* models of the lower gastrointestinal tract and their multi-omics applications
Charlène Roussel (Univ Ottawa, CA)

14:00 – 17:00

Practical sessions
Upper and lower dynamic gastrointestinal tract models

17:00 – 19:00

Social event

DAY 2 | 1st October, 2026

SCIENTIFIC SESSIONS

9:00 – 10:00

High throughput models of the human colon - MBRA and Colon-on-a-plate®

Benoit Chassaing (Institut Pasteur, FR)

Benoit Marsaux (Prodigest, BE)

10:00 – 11:00

In vitro gut models mimicking diseased situations: the example of obesity

Charlotte Deschamps (Univ Clermont Auvergne, FR)

Clarisse Nobre (Univ Minho, PT)

11:00 – 11:15

Coffee break



11:15 – 12:00

In vitro gut models mimicking diseased situations: the example of IBD

Jana Stofilova (Pavol Jozef Safarik University in Kosice, SK)

12:00 – 12:30

Linking gut microbiota perturbations to health-relevant regulatory endpoints:
role of AOP and IATA

Laure-Alix Clerbaux (Univ Louvain, BE)

12:30 – 13:30

Lunch



13:30 – 14:15

Long-term *in vitro* gut models and microbiota immobilization - the example
of PolyFermS

Riadh Hammami (Univ Ottawa, CA)

14:30 – 17:30

Practical sessions

Upper and lower dynamic gastrointestinal tract models



COMMUNICATION TEAM

Lucie Etienne-Mesmin, Auriane Bron, Stéphanie Blanquet-Diot (Univ Clermont Auvergne, FR)

Laure-Alix Clerbaux (Univ Louvain, BE)



ADMINISTRATIVE TEAM

Floriane Radecki, Lucie Etienne-Mesmin, Stéphanie Blanquet-Diot (Univ Clermont Auvergne, FR)

DAY 1 / DAY 2

TECHNICAL SESSIONS



UPPER GASTROINTESTINAL TRACT AND ANAEROBIOSIS

TIM & ESIN models

- Description of the two models and differences
- Applications
- Sterilization & anaerobiosis
- Preparation of digestive solutions
- Sampling
- Small intestinal microbiota immobilization

Sylvain Denis (Univ Clerm Auv, FR)
Khaled Fadhlou (Univ Clerm Auv, FR)
Stéphanie Blanquet-Diot (Univ Clerm Auv, FR)
Elora Fournier (Univ Clerm Auv, FR)
Chloé Beltramo (Univ Clerm Auv, FR)
Lucie Etienne-Mesmin (Univ Clerm Auv, FR)
Thomas Groisne (Univ Clerm Auv, FR)
Maurice Tanfede (Univ Clerm Auv, FR)

Anaerobiosis culture

- Culture preparation methods
- Bacterial isolation and numeration

LOWER GASTROINTESTINAL TRACT

SHIME, ARCOL & mini-fermentors models

- Description of each model
- Fecal sample collection and preparation
- Mucosal microbiota immobilization
- Sampling strategies
- Downstream analyses

Tom Van de Wiele (Univ Ghent, BE)
Ludovica Marinelli (Univ Ghent, BE)
Charlotte Deschamps (Univ Clerm Auv, FR)
Ophélie Uriot (Univ Clerm Auv, FR)
Ingrid Couturier (Univ Clerm Auv, FR)
Claude Durif (Univ Clerm Auv, FR)
Auriane Bron (Univ Clerm Auv, FR)

