



SECOND INTERNATIONAL CONFERENCE ON CLINICAL METAGENOMICS (ICCM_g)



Back to was what to be the future (in the past)



FIRST INTERNATIONAL CONFERENCE ON CLINICAL METAGENOMICS (ICCM_g)





Institut Pasteur

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www.elsevier.com/locate/micinf

Meeting report

Messages from the first International Conference on Clinical Metagenomics (ICCMg)

Etienne Ruppé ^{a,*}, Gilbert Greub ^b, Jacques Schrenzel ^{a,c}



Microbes&Infection @MicrobesInfect · 1 févr.



Messages from the first International Conference on Clinical #metagenomics (ICCMg), Geneva, Oct 2016 [sciencedirect.com/science/articl...](https://www.sciencedirect.com/science/article/...) #microbiota

À l'origine en anglais



8



5



Where are we (one year after)?

Nucleic acids extraction

- Recovery of nucleic acids from the pathogen
- Remove the nucleic acids from the host

Sequencing

- Long-reads for better resolution
- Short reads for fast turn-around time
- Include negative control

Data analysis

- Are conventional gold standards appropriate?
- Open access
- Universal, fast bio-informatic pipeline
- Identification of contaminants

Clinical translation

- Towards therapeutic bacterial cocktails
- Identification of new pathogens
- Tailored antimicrobial treatment

Where are we (one year after)?

Nucleic acid extraction

- Schizophrenia: removing host DNA or not?

Sequencing

- Faster and faster!
- Storage?

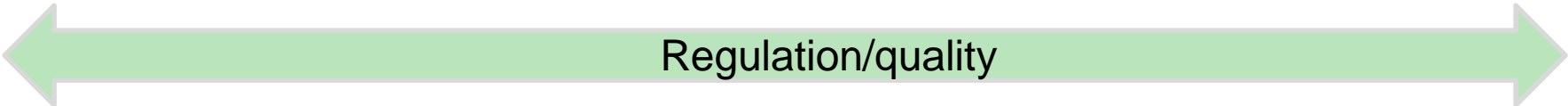
Data analysis

- Which pipeline?
- CMg provides lots of information, including human DNA/transcriptome
- Ethics

Clinics

- Main endpoint, after all?
- Identification of “new” “pathogens”
- Outcome

Regulation/quality





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Acknowledgments time!



The organizers



Jacques Schrenzel



Enrico Zuffi



Ségolène Boudou

But also: Bijan Ali Hamouda, Huw Francis, Lisa Zuffi, Sylvain Morin, Serena Baldelli, Colette Nicollier and Isabelle Bonne

The speakers



The audience



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“ce n’est qu’un au revoir”



Third
International
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Campus Biotech, Geneva, 18-19 October 2018