



MICROBIOLOGY DAY PROGRAM – 28th May

8.30 am **Welcome**

9 am-9.10 am **Introduction**

Alexia Damour

9.10-9.30 am **Presentation of the Microbio-NA network**

Frédéric Bringaud

9.30-10.15 am - Physiology of pathogenic microorganisms

Chairman: Derrick Robinson

9.30 am: Perrine HERVÉ

Lipid droplets in the ancestral model organism *Trypanosoma brucei*

9.45 am: Bachir BOUREIMA ABDOU

Circularization, transcription and transfer capacity of integrative and conjugative elements of *Mycoplasma hominis*, human genital pathogen

10.00 am: Yorick DAHAN:

A role for fibril in *Spiroplasma* helical shape: from membrane curvature to morphological resilience

10.15 am-10.45 am - Coffee break

10.45 am-Noon - Environmental microbiology and technological aspects

Chairman: Thierry Noël

10.45 am: Pierre-Alain MARON – Invited speaker

La microbiologie des sols au service des productions agricoles

11.30 am: Audrey BEAUSSART

Microalgae at the heart of environmental and biotechnological concerns

11.45 am: HOGAN Patrick

Improved CRISPR-base editor tools for genome edition in *Mycoplasma bovis*: application to surface proteins

Noon-1 pm - La microbiologie dans l'industrie

Chairwoman: Sandrine Claus

12.00 pm: Fatima M'ZALI: Aquitaine Microbiologie

Aquitaine Microbiologie in the era of One-Health

12.20 pm: Michaël TREILLES: Qualyse

Qualyse : un laboratoire au service de la surveillance microbiologique du territoire. Exemple du diagnostic et de la surveillance en santé animale

12.40 pm: Hubert DEBREYNE: Novaptech

Development of aptasensors for antibiotic monitoring



1 pm-2 pm – Lunch

2 pm-3.15 pm - Host-pathogen interaction

Chairman: Charles Bodet

2.00 pm: Nolwenn JOUVENET – Invited speaker

Induction et évasion de la réponse interféron par les flavivirus

2.45 pm: Chloé TORRES

GCN2 kinase as a key factor to modulate viral replication

3.00 am: Léa IBARLOSA

Amyloid signaling in antiphage defense

3. 15 pm – 4.30 pm – Poster session & coffee break

4.30 pm-5.15 pm - Antimicrobial therapies and resistance

Chairwoman: Sabine Pereyre

4.30 pm: Anne-Laure GUENIN

Acinetobacter spp. "One-Health" strain collection: construction and characterization

4.45 pm: Farras Daffa IMTIYAZ

Adjuvant-loaded lipid nanoparticles to increase the susceptibility of *Klebsiella pneumoniae* to colistin

5.00 am: Fabien JARRY

Study of the *Achromobacter xylosoxidans* type VI secretion system and its clinical implication

5.15-5.25 pm – Sonia BURREL

Presentation of the Société Française de Microbiologie (SFM)

5.25-5.30 pm – Awards and concluding remarks

Alexia Damour

