

SEMINAIRE *Prestige*

ENVT
INRA
FRBT

BACTERIAL GENOME DYNAMICS



BENEDICTE MICHEL

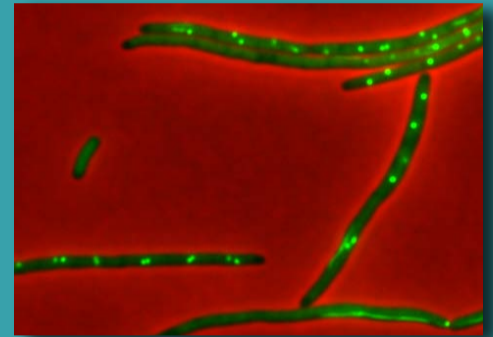
Institut de Biologie Intégrative de la Cellule, Gif-sur-Yvette

9:00 - Welcome to participants

9:15 *Invited Speaker*

Processes that affect bacterial genome stability

The laboratory of Benedicte Michel uses *Escherichia coli* as a model system to study the links between DNA replication and recombination. Her group study the reactions occurring at blocked replication forks and the features that stabilize replication proteins on DNA.



10:15 - **Emilie DORDET-FRISONI (ENVT-INRA)**

DNA traffic in minimal bacteria

10:35 - **Olivier Neyrolles (IPBS)**

Ancient horizontal gene transfer and evolution towards virulence in *Mycobacterium tuberculosis*

10:55 - Break

11:20 - **Calum JOHNSTON (LMGM-CBI)**

Genome gymnastics during transformation in the human pathogen *Streptococcus pneumoniae*



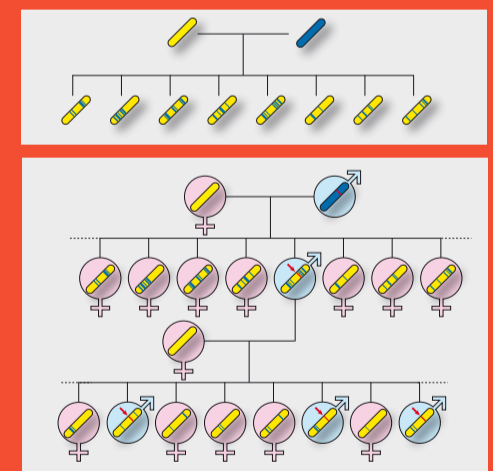
KEITH DERBYSHIRE

Department of Health, Wadsworth Center, Albany, USA

11:40 *Invited Speaker*

Distributive Conjugal Transfer: A New Paradigm for Bacterial Horizontal Gene Transfer

The focus of Keith Derbyshire's laboratory is the process of conjugal DNA transfer, which results in the lateral transfer of DNA between bacterial species, and is primarily responsible for the spread of genes encoding virulence and antibiotic resistance.



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JANUARY 27
2017

