



## BACTO-Gre 2016

### Structural and cellular bacteriology in Grenoble



IBS, FEBRUARY 11th 2016, 8:30am – 5 pm



#### 8:30 Welcome coffee

9:00 Max Maurin (CHU) - Antibiotic resistance of *Francisella tularensis*: *in vitro* and *in vivo* correlation

9:25 Philippe Huber (BIG, CEA) -Toxines et modes de virulence de *Pseudomonas aeruginosa*

9:50 Bertrand Toussaint (TIMCE, CHU) - Différents aspects du dialogue *P. aeruginosa* vs hôte et développements thérapeutiques

10:15 Irina Gutsche (IBS) - A novel protein triad in enterobacterial stress response as seen by structural biologists

#### 10:40 Break

11:00 André Zapun (IBS) – Investigating peptidoglycan synthesis enzymes

11:25 Sigolène Lecuyer (Lyphi, UJF) - Deciphering bacteria-surface interaction in *Pseudomonas aeruginosa*

11:50 Patricia Renesto (TIMCE) - DNA supercoiling activity of DNA gyrases from *Francisella* strains resistant to quinolones

12:15 Viviana Job (IBS) - Characterization of the T3SS Needle from *Pseudomonas aeruginosa*

#### 12:40 Lunch

13:30 Dominique Schneider (TIMCE, UJF) – Evolution expérimentale *in vivo* et *in silico*

13:55 Marie-Odile Fauvarque (BIG, CEA) – Flies to model *Pseudomonas* infection

14:20 Isabelle Michaud-Soret (BIG, CEA) – FUR and anti-FUR inhibitors targeting the virulence

14:45 Stéphan Lacour (Lyphie, UJF)- Direct versus indirect gene regulation by the stress response sigma factor RpoS

#### 15:10 Break

15:30 Fabien Pierrel (TIMCE, UJF) – L'ubiquinone en absence d'oxygène: comment est-elle synthétisée, à quoi sert-elle?

15:55 Cecile Morlot (IBS) - Nanostructure of the division ring during *Streptococcus pneumoniae* cell cycle revealed by superresolution microscopy

16:20 Eric Faudry (BIG, CEA) – Automated microscopy for the quantification of bacteria-mediated cell damage

**Organizing committee:** Anne-Marie Di Guilmi (IBS), Sylvie Elsen (BIG, CEA) & Ina Attrée (BIG, CEA)

**To attend contact:** [sylvie.elsen@cea.fr](mailto:sylvie.elsen@cea.fr)