



Association Française
des Sociétés de Services et d'Innovation



Les **membres AFSSI**
ont la **parole** ”

WEBINAIRE



Le partenaire incontournable de vos innovations

Proche de chez vous





Amokrane REGHAL

ATLANGRAM

+33 610 341 744

Nantes

amokrane.reghal@atlangram.com

www.atlangram.com

Les membres AFSSI ont la parole ”

WEBINAIRE

Qui suis-je ?
La réponse en 20 min

AFSSI
Association Française des Sociétés de Services et d'Innovation

NOTRE ACTIVITÉ

Evaluation et Optimisation des Antibactériens



- **Team:** Pr. Gilles POTEL, Pr. Karim ASEHNOUNE, Dr. Jocelyne CAILLON, Dr. Cédric JACQUELINE, Cyndie DESESARD, Jean-Fabien LAURIER, Dr. Amokrane REGHAL
- **Expertise:** Antibacterial Agents Efficacy Evaluation (*in vitro* & *in vivo*) & Optimization



Antibacterial Agents Efficacy Evaluation

- ***In vitro Expertise:*** Determination MICs, MBCs, PAE ; Time-kill & Combinations studies
- ***In vivo Expertise:***
 - ✓ **Screening Models:** Mouse Peritonitis, Sepsis, Thigh Infections Models
 - ✓ **Discriminant Models:**
 - Mouse Pneumonia, UTI, Foreign-body, Wound Infections Models
 - Rabbit Pneumonia, Endocarditis Models
 - Mouse & Rabbit Osteomyelitis Models

Antibacterial Agents Optimization

- ***Nano-Encapsulation in Lipid Nano-Capsules:***

- Pharmacological advantages:

- ↑ – Solubility. Half-life time
 - PK/PD *in situ*

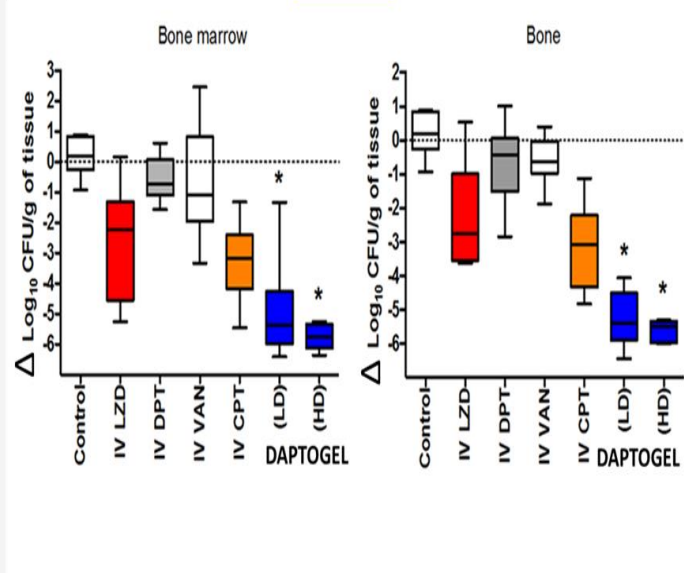
- Clinical advantages:

- ↑ – Efficacy
 - Compliance

- ***First product:*** Daptomycin Gel Formulation, ***DaptoGel***, to manage Bone & Joint Infection (BJI)
- ***Other products:*** Human & Animal Existing Antibacterial Agents

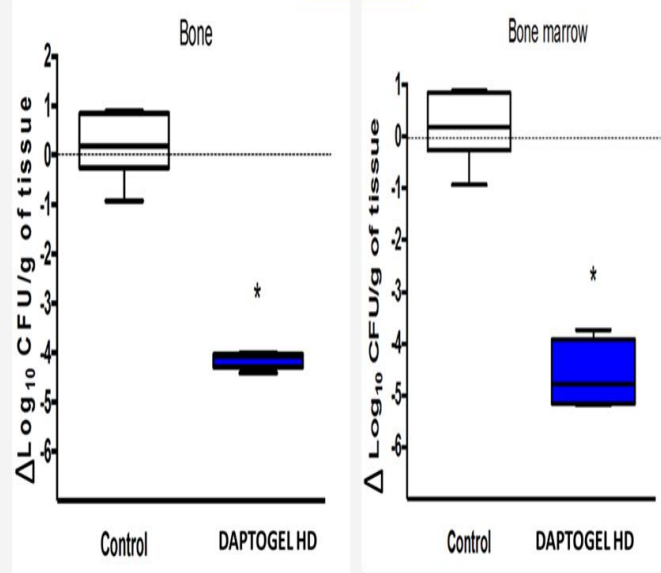
DaptoGel to manage BJI

4 days

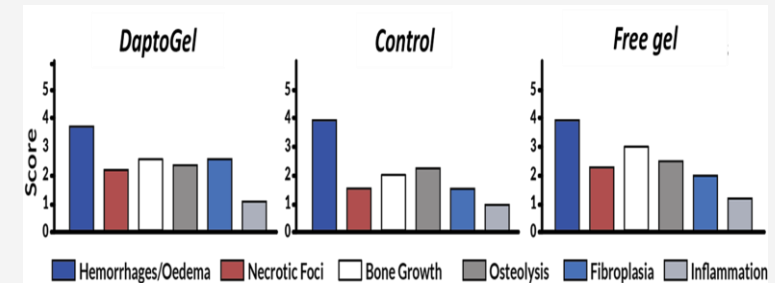
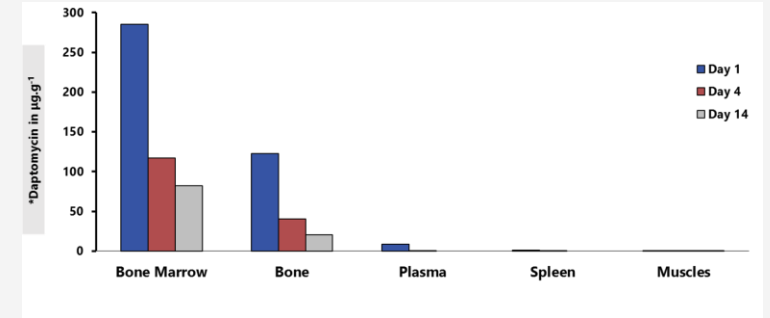


Superior activity of DaptoGel following single application versus i.v. antibiotics for 4 days (linezolid, daptomycin, vancomycin, ceftaroline),

14 days



Efficacy still observed after single dose of DaptoGel HD at least 14 days post treatment



WO2015/118496 & WO2020/144201



Our flexible business arrangements and partnerships

- **CRO / Efficacy Evaluation: Subcontractor** and/or **Partner** (ex. calls)
- **Biotech / DaptoGel Development: Partner** (co-dev, Investor)
 - to complete its pre-clinical development
 - and phase IIa clinical trial

Merci et prenez soin de vous !