



Networks

EARLY DISCOVERY OF NEW ANTIBIOTICS WORKSHOP

12-13 January 2017

PHAGEFORWARD

Phage
Human
Application
Group
Europe



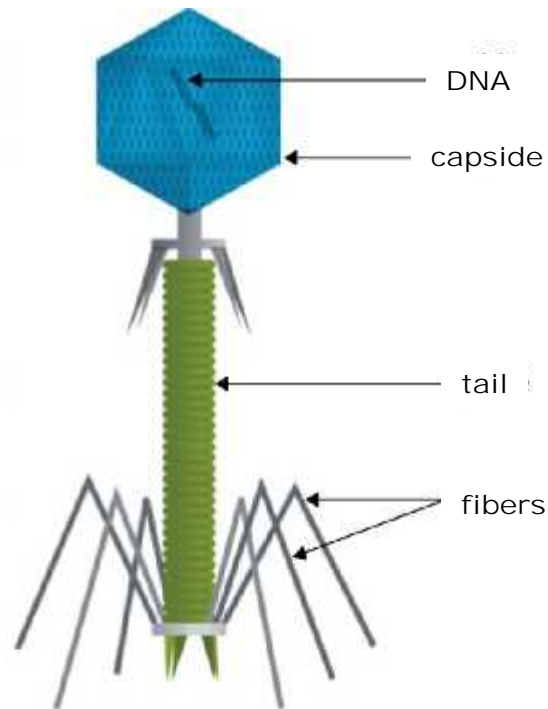
Non for profit association
(created in 2009)
(based in Brussels)

PHAGE THERAPY

The use of bacteriophages to kill pathogenic bacteria



Bacteriophages are VIRUSES
infecting bacteria



The T4 phage model

Proposed as soon as in 1917 !

Used to treat various infections
(acute or chronic)

Still in use in some countries
(Georgia, Poland, Russia)

Not authorized in EU
(only compassionate use)

Only 1 clinical trial ongoing

What Bacteriophages are

Natural products

Abundant (10^{30} particles)

like **ANTIBIOTICS !** Effective

Bacteria can resist to them

What Bacteriophages are NOT

Chemicals

Killing various bacteria
(narrow host range)

UNlike ANTIBIOTICS !

In addition, bacteriophages are

Flexible (DNA information) and Evolving

Generally Recognized As Safe (FDA)

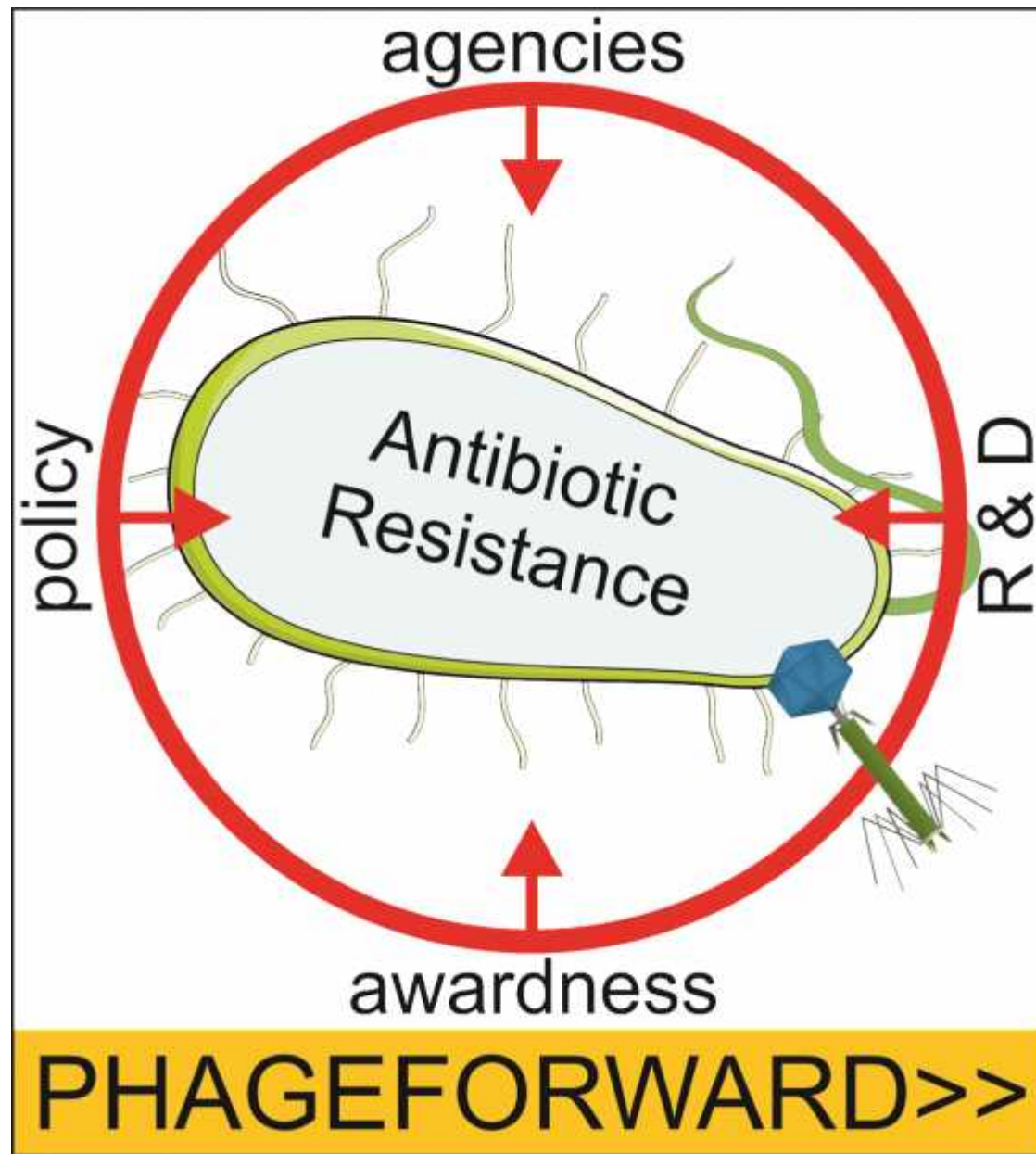
No side effect on microbiota and self-amplification !

Ready for personalized treatments

So, what is the problem?

Phage Therapy suffers from an “old-fashion” image

No investment/incentive from public and private sectors



JPIAMR funding (the first !) allocated to P.H.A.G.E.

Organization/Goals of PHAGEFORWARD

3 working groups (invited experts/white papers)

- 1) Research and Development: **How to make?**
(Microbiologists/Clinicians/Private companies)
- 2) Policy / Intellectual Properties: **How to protect?**
(Legal public and private)
- 3) Agencies (EMA/FDA/USDA/EFSA): **How to accept?**
(EMA workshop on June 2015 / One health)

Main Goals

Speeding up the acceptance of phage therapy
Improve awareness

April 24-26, 2017
Centennial Celebration
of the
Bacteriophage Research

www.bacteriophage100.org

April 27, 2017
Human
Phage Therapy
Day



24-26 April 2017
Institut Pasteur, France

1917-2017

100th
Centennial

Celebration of
Bacteriophage
Research

ORGANIZATION COMMITTEE
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