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INSTITUTE OF BIOCHEMISTRY AND BIOPHYSICS

POLISH ACADEMY OF SCIENCES



# Research profile and expertise



1. Use of phages in therapies for bacterial infections in animals

(a) safety

(b) efficacy

2. Mechanisms of bacteriophage development regulation

3. Interactions of phages with eukaryotic cells

4. Genetic modifications of phages and bacteria

5. Phage display technology

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6. Characterization of properties of antimicrobial and anticancer activities of compounds produced by cave bacteria

7. Microbiome analyses

# Expression of interest

## Programme

Horizon Europe Framework Programme (HORIZON)

## Call

Fair, healthy and environmentally-friendly food systems  
from primary production to consumption  
(HORIZON-CL6-2022-FARM2FORK-02-two-stage)

Ecology of infectious animal diseases

HORIZON-CL6-2022-FARM2FORK-02-03-two-stage

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**Proposed role in consortium:** Partner



Potential contribution to  
"expected outcomes"

We can contribute to all outcomes in  
this call, but especially to:

"increasing the capacity to prevent and control  
diseases in animals, and their potential impact in  
human population"

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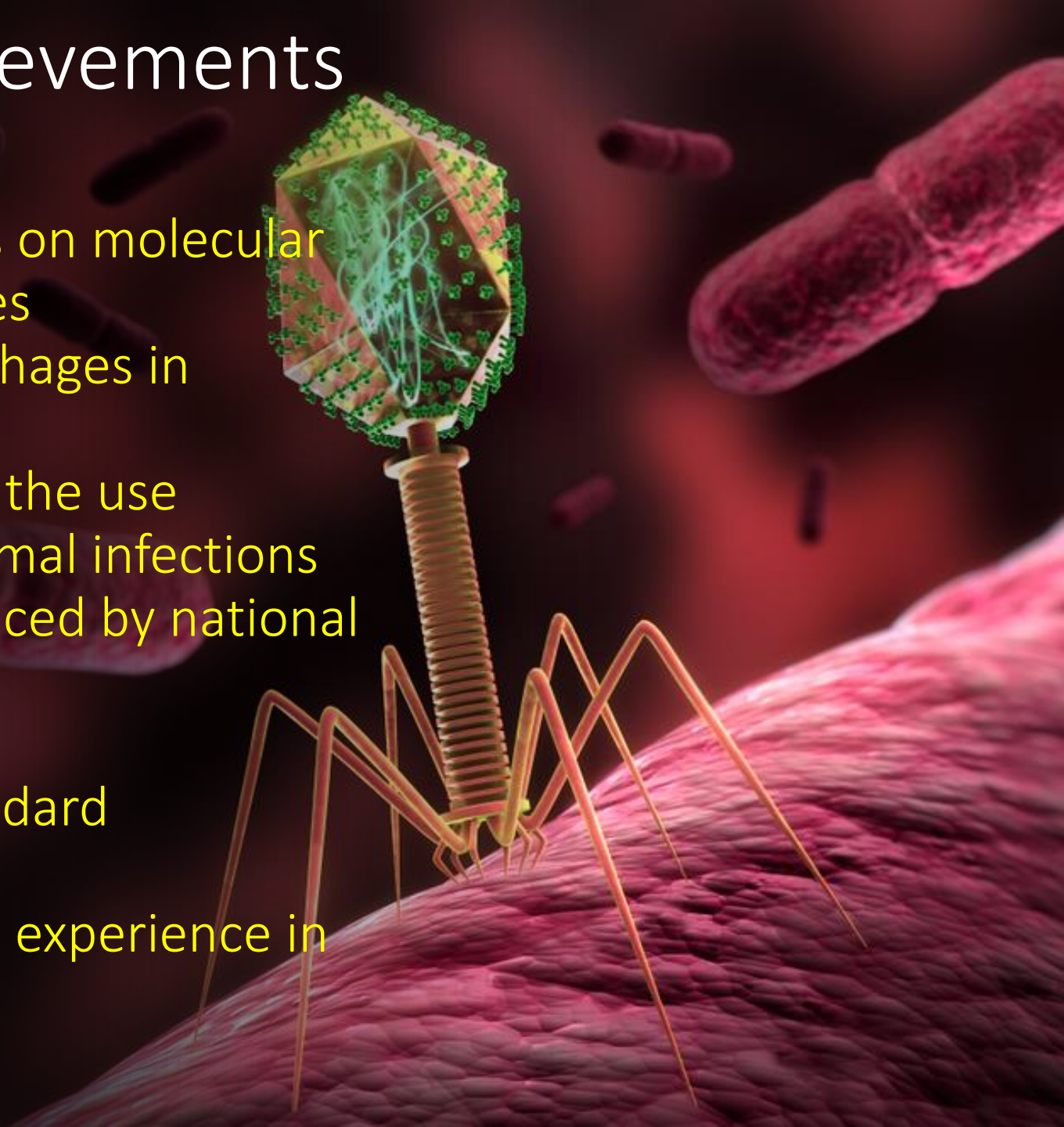
Due to our experience and skills in studies on  
bacteriophages, we can conduct research in the  
area of the use of these viruses in prevention and  
treatment (control) of infectious diseases in  
animals, including farm animals



# Our experience and achievements

1. Over 30 years experience in studies on molecular biology and genetics of bacteriophages
2. Over 100 publications on bacteriophages in recognized international journals
3. Patents and patent applications for the use of bacteriophages in treatment of animal infections
4. Participation in many projects financed by national and international agencies

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5. Modern laboratories with high standard research equipment
  6. A team of top level researches with experience in studies on phages and bacteria



# Contact details



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