

Faculty of Veterinary Medicine

Katleen Hermans

Department of Pathology, Bacteriology and Poultry Diseases

Opportunities for cooperation between
ChinAquaNet and Ghent University
Ghent, August 31, 2007

Pathology, Bacteriology and Poultry Diseases

- the Department
- the Department's facilities
- the Department's research in aquaculture

The department

- Laboratory of Veterinary Pathology:
 - Prof. K. Chiers and Prof. R. Ducatelle
- Laboratory of Veterinary Bacteriology and Mycology:
 - Prof. F. Haesebrouck and Prof. F. Pasmans
- Division of Poultry, Exotic companion and Laboratory Animals
 - Prof. A. Martel and Prof. K. Hermans

→ + 3 visiting professors

→ A total of ± 30 PhD students and

The department's facilities

- L2 microbiology laboratory
- cell culture lab
- molecular lab (PCR, sequencing)
- proteomics unit
- histopathology laboratory
- veterinary facilities for exotic companion animals including piscine surgery and anesthesia
- A2 animalaria, equipped for working with freshwater fish

The department's research in aquaculture

- Main research expertise: bacteria-host interactions, bacterial zoonoses and antimicrobial resistance in bacteria
- More than 10 years of expertise in the field of aquaculture
- Main research subjects over these years:
 - Pathogenesis of *Flavobacterium columnare* and *psychrophilum*
 - Pathogenesis of *Yersinia ruckeri*
 - Pathogenesis and antimicrobial resistance of *Edwardsiella ictaluri*
- Main goal: alternative control strategies
(preferred over the use of antimicrobials)

Thank you for your attention