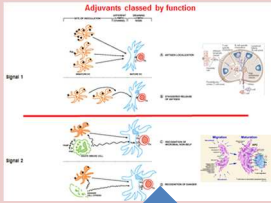


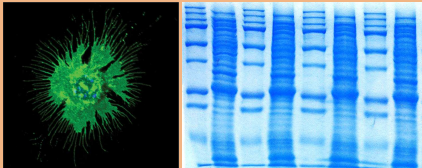
Science of Animals: a comparative immunology approach

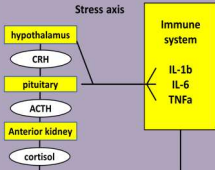
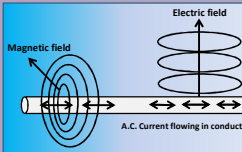
By vaccination
Maria Forlenza
 Internship coordinator

Danio rerio
Zebrafish
Fish immunity to viruses & Vaccine Development
 - DNA vaccines
 - Mucosal vaccines (probiotics)
 - Generation of transgenic fish
Chicken
Anti-viral responses in chicken cells

Gallus gallus

By vaccination
Virgil Schijns
Animal models & humans
Rational vaccine design
 - Innate immunity
 - Vaccine adjuvants
 - Release of immune brakes
 - Translational research


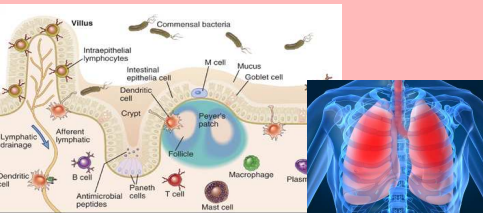
By Immunotherapy
Edwin Tijhaar
 MSc thesis coordinator
Veterinary Immunology
 Allergy (horses) -
 Natural resistance (cows) -
 Tool development for Immunotherapy (dogs) -
 Recombinant cytokines -


By stress
Lidy v. Kemenade

Carp
Immune regulation and Neuroendocrine-Immune interaction
 - Cytokines
 - Chemokines
 - Hormones
Humans
The effect of low frequency-electromagnetic fields on the immune system


By infections and Immunostimulants
Geert Wiegertjes
 Education contact person
Carp
Host-pathogen interaction
 Fish immunity to trypanosomes -
 Type-I and Type-II responses -
Immunostimulation by feed
 (fish-specific) Innate immune -
 receptors on macrophages -


Cyprinus carpio
Trypanoplasma borrelli
Immunomodulation
Prof. H. Savelkoul
Teaching & Research
Humans
 • allergenicity in food allergy



By diet
Joost van Neerven
Humans and Veterinary species
Mucosal Immunity
 - The use of dietary components to alter disease resistance in the respiratory compartment


By diet and infections
Ruth Adriaansen
 BSc thesis coordinator
Mammals and Chicken
Individual variation & disease susceptibility
 - Neuroendocrine and immune system
 - Immunomodulation by diet

Rattus norvegicus
Gallus gallus

By diet and infections
Hans Verhoef
Humans
Malaria
 - Effect of micronutrients on infectious diseases in developing countries
 - Integration of micronutrient interventions and malaria control

Plasmodium falciparum