# Safeguarding human and animal health through veterinary and biomedical research

#### Ludo J. Hellebrekers



#### The Netherlands





- 12 million pigs
- 97 million chickens
- 1,5 million dairy cows

120 mln

- 1 million veal calves
- 1 million fur animals
- 6 million pets
- 130.000 horses
- A large wildlife population

#### Importance agriculture to the Netherlands

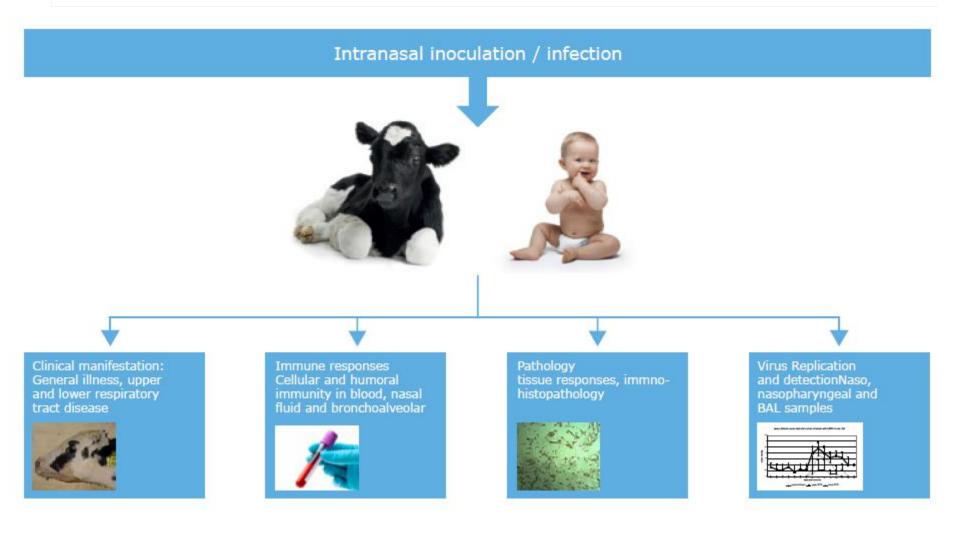
- Export 2014: € 80 billion
- One third of which is related to animal husbandry
- Largest exporter of agricultural products after US
- 10% of Dutch economy, 660.000 jobs
- 52% of Dutch territory is agricultural land



# Solving public health issues hrough veterinary interventions

CENTRAL VETERINARY INSTITUTE

#### Solving RSV issues in kids and calves





#### Technology 2.0

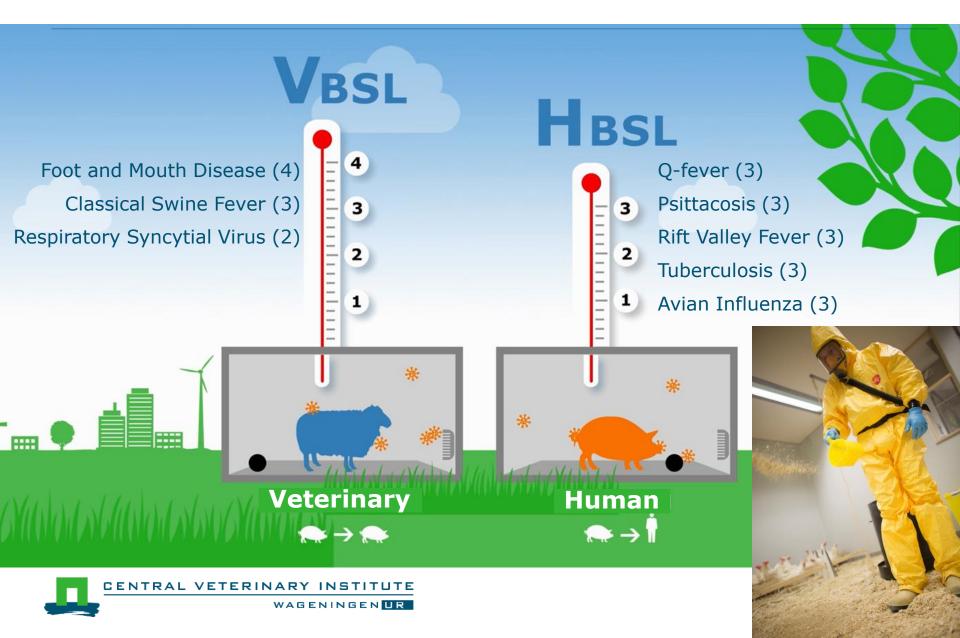
- Animal behaviour
- Reversed genetics
- Biometrics: biological insights
- Epidemiological modelling
- Microbiota studies
- Telemetric / real time monitoring / on-line analysis







#### Facilitating research at all Biosafety Levels



Facilitating your research at all biosafety levels

Combined Animal and Laboratory services

#### Market development

Opportunities for innovation and Life Sciences initiatives

- Prevention is better than cure
- Vaccines and vaccination strategies
- Health management and supporting resilience

Insight in relationship between microbiota and (intestinal and respiratory) immunocompetence



#### Market position of the Netherlands

- International market and focus
- Prominence of agro production sector
- Life Sciences in transition (?)
- from products to knowledge & technology export
- from food & health to health & food

#### Enhancing our growth potential



#### Concerted activities in Life Sciences

- Regional Life Sciences boost!
- (New) initiatives and businesses

#### Partners Humanimal



#### Life science clusters Amsterdam, Rotterdam and Utrecht



## One World – (Global) One Health



#### Multiple initiatives

#### Mutual Strengthening in Life Sciences



#### Central Veterinary Institute 2.0

#### Emerging Disease Campus

Co-acting on **R&D** and **Knowledge** and (shared) **Facilities** 

- Open innovation
- Knowledge transfer
- Joint product development
- Spin-offs



With dedicated support of Wageningen UR Flevoland Province OMFL and private investors

#### **Emerging Disease Campus**

New facilities to accommodate Life Sciences businesses & start-up entrepreneurs at CVI premises
Plans to be finalized and brought into 'production phase' mid 2016

In close cooperation with 'local' businesses and entrepreneurs

#### **Emerging Disease Campus**

#### What's in it for you?

- Joining a concerted and strategic One Health approach
- Pitching into a growing multidisciplinary knowledge bank
- High level biomedical research facilities and services
- Direct contact with animal modelling services
- (International) Networking and Business development opportunities

#### Food & Agro - next deal making platform

Connect with investors, developers and corporate deal makers

@Startup Fest Europe 24 - 28 May Wageningen Campus

# Food Valley NL, Rabobank, StartLife & Wageningen UR support:

- next generation game-changing F&A entrepreneurs; promising startups with international potential
- pitches, company presentations, network opportunities and one-on-one meetings
- network, facilities and expertise in Agrifood and Life Sciences innovation



### Join the Flevoland community of businesses/start-ups and researchers in the Life



