

# MP/IP topics for behavioural/microbiome studies in zoo-housed bonobos

## 1) Does the sociosexual network predict vaginal microbiome diversity and composition in bonobos? (MP)

- 10 weeks of behavioural observations of zoo-housed bonobos in a zoo in Europe or in the United States
- *Optional*: DNA extractions of microbiome samples in the lab of Zoo Antwerp

## 2) Effects of age and contraceptives on swelling size dynamics of female zoo-housed bonobos (MP/IP)

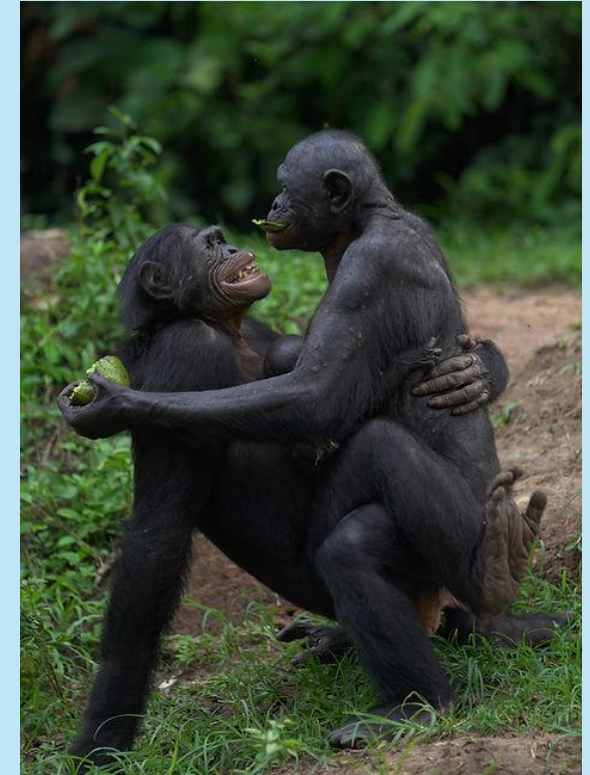
- Developing a scoring method for female sexual swelling size by processing existing videos (IP)
- Can be combined with behavioural observations to make a MP

### Interested?

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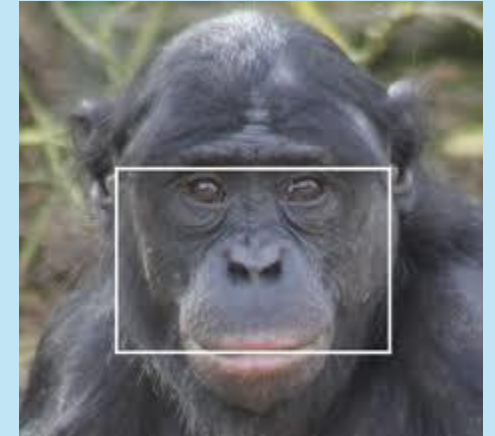
University of Antwerp  
LAMB | Laboratory of Applied  
Microbiology and Biotechnology



## MP/IP topics on behavior in *Pan*

### 3) Do faces reflect social status and behavior differently in *Pan*? (MP/IP)

- The facial width-to-height ratio (fWHR) has been linked to several behaviors, though findings are not always consistent. Generally, greater fWHRs in men are associated with a higher propensity for aggression and dominance. However, bonobos have higher fWHRs than chimpanzees, despite their “make love not war” reputation.
- Project requires measuring fWHR on facial pictures of chimpanzees and analysis with existing bonobo fWHR and behavioral datasets (IP)
- *Optional*: 10 weeks of behavioural observations of Antwerp zoo (MP)
- *Optional*: genotyping androgen receptor gene variation



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