

## Scientific communications – Estelle Hess

### PUBLICATIONS

Hess E, Renzi F, Karhunen P, Dol M, Lefèvre A, Antikainen J, Carlier E, Hästbacka J, Cornelis GR. *Capnocytophaga canimorsus* capsular serovar and disease severity, Helsinki Hospital District, Finland, 2000-2017. *Emerg Infect Dis.* 2018 Dec;24(12):2195-2201.

Hess E, Renzi F, Koudad D, Dol M, Cornelis GR. Identification of virulent *Capnocytophaga canimorsus* isolates by capsular typing. *J Clin Microbiol.* 55(6):1902-14, 2017.

Hack K, Renzi F, Hess E, Lauber F, Douxfils J, Dogné JM, Cornelis GR. Inactivation of human coagulation factor X by a protease of the pathogen *Capnocytophaga canimorsus*. *J Thromb Haemost.* 15(3):487-499, 2017

Renzi F, Ittig SJ, Sadovskaya I, Hess E, Lauber F, Dol M, Shin H, Mally M, Fiechter C, Sauder U, Chami M, Cornelis GR. Evidence for a LOS and a capsular polysaccharide in *Capnocytophaga canimorsus*. *Sci Rep.* 15;6:38914, 2016.

Manfredi P, Lauber F, Renzi F, Hack K, Hess E, Cornelis GR. New iron acquisition system in Bacteroidetes. *Infect Immun.* 83(1):300-10, 2015.

Mueller CG, Hess E. Emerging functions of RANKL in lymphoid tissues. *Front Immunol.* 3;3:261, 2012.

Hess E, Duheron V, Decossas M, Lézot F, Berdal A, Chea S, Golub R, Bosisio MR, Bridal SL, Choi Y, Yagita H, Mueller CG. RANKL induces organized lymph node growth by stromal cell proliferation. *J Immunol.* 188(3):1245-54, 2012.

Duheron V, Hess E, Duval M, Decossas M, Castaneda B, Klöpffer JE, Amoasii L, Barbaroux JB, Williams IR, Yagita H, Penninger JM, Choi Y, Lézot F, Groves RW, Paus R, Mueller CG. Receptor Activator of NF-κB (RANK) stimulates the proliferation of epithelial cells of the epidermo-pilosebaceous unit. *Proc Natl Acad Sci USA.* 108(13):5342-7, 2011.

Castaneda B, Simon, Jacques J, Hess E, Choi Y, Blin-Wakkach C, Mueller CG, Berdal A, Lézot F. Bone resorption control of tooth eruption and root morphogenesis: Involvement of the receptor activator of NF-κB (RANK). *J Cell Physiol.* 226: 74–85, 2010.

### PATENT APPLICATION

Hess E, Renzi F and Cornelis G R. Methods for detecting *C. canimorsus* capsular serotypes in a sample. European patent application number: 17156699.8.

### SCIENTIFIC COMMUNICATIONS

May 2019 | Oral communication

“Point of care rapid diagnostic tests and their clinical use: diagnosis and prevention of calves diarrhea”

*Diagnostics in the Veterinary Field: The Role in Health Surveillance and Disease Identification, International Alliance For Biological Standardization (IABS), Wiesbaden, Germany*

October 2017 | Poster presentation

“Identification of virulent *Capnocytophaga canimorsus* isolates by capsular typing”

Belgian Society for Microbiology Symposium, Brussels, Belgium

Awarded as the best poster in Medical and veterinary microbiology

June 2016 | Poster presentation

“Implications on host-pathogen interactions of host protein deglycosylation by *Capnocytophaga canimorsus*”

*Innate Immunity in Host-Pathogens Interactions Symposium, European Molecular Biology Laboratory (EMBL), Heidelberg, Germany*

June 2015 | Poster presentation

“*Capnocytophaga canimorsus* adheres to host membrane glycoproteins”

6th Congress of European Microbiologists (FEMS2015), Maastricht, The Netherlands

February 2011 | Oral communication

“Compréhension du rôle de la protéine RANKL dans la communication entre cellules stromales et immunes: implication dans le cancer”

*Colloque de la politique de recherche de la Ligue contre le cancer, Strasbourg, France*

September 2009 | Poster presentation

“RANKL in lymph node growth of adult mice”

*Microanatomy of immune responses in health and diseases congress, Birmingham, UK*