

PUBLICATIONS
REMERCIEMENTS PFIE
ACKNOWLEDGMENTS

2009 - 2006

2009

- ◆ **Barrio M.B., Grillo M.J., Munoz P.M., Jacques I., Gonzalez D., Miguel M.J.d., Marin C.M., Barberan M., Letesson J.J., Gorvel J.P., Moriyon I., Blasco J.M., Zygmunt M.S.** Rough mutants defective in core and O-polysaccharide synthesis and export induce antibodies reacting in an indirect ELISA with smooth lipopolysaccharide and are less effective than Rev 1 vaccine against *Brucella melitensis* infection of sheep. *Vaccine*, 2009; 27: 1741-1749. [*The authors are grateful the staff of the experimental unit (UE993-Pathologie Infectieuse et Immunologie) for animal husbandry and excellent assistance in slaughtering and sampling at autopsy.*]
- ◆ **Beaumont C., Chapuis H., Protais J., Sellier N., Menanteau P., Fravallo P., Velge P.** Resistance to *Salmonella* carrier state: selection may be efficient but response depends on animal's age. *Genetics Research*, 2009; 91: 161-169. [*We thank all those who made this work possible, especially the personnel from the experimental units from the Tours INRA Research Center (PFIE and PEAT)*]
- ◆ **Berri M., Rekiki A., Boumedine K.S., Rodolakis A.** Simultaneous differential detection of *Chlamydomydia abortus*, *Chlamydomydia pecorum* and *Coxiella burnetii* from aborted ruminant's clinical samples using multiplex PCR. *BMC Microbiology*, 2009; 9: 130. [*We sincerely thank the experimental unit staff of INRA Research Centre of Tours-Nouzilly (France) for their help to provide animal samples.*]
- ◆ **Calenge F., Lecerf F., Demars J., Feve K., Vignoles F., Pitel F., Vignal A., Velge P., Sellier N., Beaumont C.** QTL for resistance to *Salmonella* carrier state confirmed in both experimental and commercial chicken lines. *Animal Genetics*, 2009; 40: 590-597. [*We thank members of the team Plate Forme d'Infectiologie Expérimentale of INRA, Nouzilly, for the experimental infections of the divergent lines.*]
- ◆ **de Jesus Rodriguez B., Chevaleyre C., Henry G., Molle D., Virlogeux-Payant I., Berri M., Boulay F., Leonil J., Meurens F., Salmon H.** Identification in milk of a serum amyloid A peptide chemoattractant for B lymphoblasts. *BMC Immunol*, 2009; 10: 4. [*We thank UE PII for animal care.*]
- ◆ **Derache C., Esnault E., Bonsergent C., Le Vern Y., Quéré P., Lalmanach AC.** Differential modulation of beta-defensin gene expression by *Salmonella* Enteritidis in intestinal epithelial cells from resistant and susceptible chicken inbred lines. *Developmental and Comparative Immunology*, 2009; 33: 959-966. [*We thank Nadine Sellier, Bernard Gauthier, Joel Delaveau, Mario Tanzi, Jean-Noel Couet, Patrice Cousin and Bruno Campone for providing eggs*]
- ◆ **Derache C., Labas V., Aucagne V., Meudal H., Landon C., Delmas A.F., Magallon T., Lalmanach AC.** Primary Structure and Antibacterial Activity of Chicken Bone Marrow-Derived beta-Defensins. *Antimicrobial Agents and Chemotherapy*, 2009; 53: 4647-4655. [*We thank Laurence Merat and the staff of the Plateforme d'Infectiologie Expérimentale of the Centre INRA, Nouzilly, France, for providing animals.*]
- ◆ **Elhmouzi-Younes J., Storset A.K., Boysen P., Laurent F., Drouet F.** Bovine neonate Natural Killer cells are fully functional and highly responsive to interleukin-15 and to NKp46 receptor stimulation. *Veterinary Research*, 2009; 40: 54. [*We also thank R. Gelineau and D. Serreau (INRA, PFIE)*]
- ◆ **Lacroix-Lamande S., Rochereau N., Mancassola R., Barrier M., Clauzon A., Laurent F.** Neonate intestinal immune response to CpG oligodeoxynucleotide stimulation. *PLoS One*, 2009; 4: e8291. [*We thank the INRA-PFIE for rearing and supplying mice*]
- ◆ **Saunders G.C., Lantier I., Cawthraw S., Berthon P., Moore S.J., Arnold M., Windl O., Simmons M.M., Andréoletti O., Bellworthy S., Lantier F.** Protective effect of the T112 PrP variant in sheep challenged with BSE. *Journal of General Virology*, 2009; 90: 2569-2574. [*Special thanks are also due to the PFIE platform (INRA, Nouzilly, France) for taking care of the animals at containment level 3, performing the IC inoculations and participation in autopsies.*]
- ◆ **Zalouk S., Barbati S., Lantier I., Leroux H., Lantier F.** Application de l'oxydation par voie humide à la destruction du prion de l'ESB. *Techniques Hospitalières*, 2009; (715): 33-36. [*Les auteurs tiennent à remercier le personnel de l'animalerie souris de la plateforme d'infectiologie expérimentale (PFIE) de Tours pour le maintien, la fourniture et la surveillance des lignées de souris utilisées.*]

2008

- ◆ **Bourges D., Meurens F., Berri M., Chevaleyre C., Zanello G., Levast B., Melo S., Gerdtts V., Salmon H.** New insights into the dual recruitment of IgA(+) B cells in the developing mammary gland. *Molecular Immunology*, 2008; 45: 3354-3362. [We thank PFIE for animal care.]
- ◆ **Debba-Pavard M., Ait-Lounis A., Soubieux D., Rasschaert D., Dambrine G.** Vaccination against Marek's disease reduces telomerase activity and viral gene transcription in peripheral blood leukocytes from challenged chickens. *Vaccine*, 2008; 26: 4904-4912. [We would like to thank Laurence Mérat, Bruno Campone, Patrice Cousin and Jean Méry for care of the experimental chickens.]
- ◆ **Lacroix-Lamande S., Mancassola R., Auray G., Bernardet N., Laurent F.** CCR5 is involved in controlling the early stage of *Cryptosporidium parvum* infection in neonates but is dispensable for parasite elimination. *Microbes and Infection*, 2008; 10: 390-395. [We also thank Jean Lorieux and Sébastien Lavillatte for rearing the mice.]
- ◆ **Rainard P., Fromageau A., Cunha P., Gilbert F.B.** *Staphylococcus aureus* lipoteichoic acid triggers inflammation in the lactating bovine mammary gland. *Veterinary Research*, 2008; 39: 52. [We are grateful to the personnel of experimental facilities (Robert Gélinau, Delphine Serreau, Christophe Mouazé) for the care of animals, milk sampling and in particular to Robert Gélinau for the monitoring and recording of clinical signs.]
- ◆ **Suraud V., Jacques I., Olivier M., Guilloteau L.A.** Acute infection by conjunctival route with *Brucella melitensis* induces IgG(+) cells and IFN-gamma producing cells in peripheral and mucosal lymph nodes in sheep. *Microbes and Infection*, 2008; 10: 1370-1378. [The management of experimental infection by P. Lechopier, D. Crochet and P. Bernardet was greatly appreciated, and we thank all the technical staff for their active participation in experimental infection in the INRA high security unit (A3).]
- ◆ **Tourais-Esteves I., Bernardet N., Lacroix-Lamande S., Ferret-Bernard S., Laurent F.** Neonatal goats display a stronger TH1-type cytokine response to TLR ligands than adults. *Developmental and Comparative Immunology*, 2008; 32: 1231-1241. [We thank Thierry Chaumeil and Edouard Guillon (INRA-PFIE) for supplying the animals and for help with the goat kids in the animal facilities.]

2007

- ◆ **Auray G., Lacroix-Lamande S., Mancassola R., Dimier-Poisson I., Laurent F.** Involvement of intestinal epithelial cells in dendritic cell recruitment during *C. parvum* infection. *Microbes Infect*, 2007; 9: 574-582. [We thank Jean Lorieux and Sébastien Lavillatte for rearing the mice.]
- ◆ **Fardini Y., Chettab K., Grepinet O., Rochereau S., Trotureau J., Harvey P., Amy M., Bottreau E., Bumstead N., Barrow P.A., Virlogeux-Payant I.** The YfgL lipoprotein is essential for type III secretion system expression and virulence of *Salmonella enterica* serovar enteritidis. *Infection and Immunity*, 2007; 75: 358-370. [We thank the members of the Pathologie Infectieuse et Immunologie experimental unit for animal care and technical assistance.]
- ◆ **Jacques I., Verger JM., Laroucau K., Grayon M., Vizcaino N., Peix A., Cortade F., Carreras F., Guilloteau L.A.** Immunological responses and protective efficacy against *Brucella melitensis* induced by bp26 and omp31 B. *melitensis* Rev.1 deletion mutants in sheep. *Vaccine*, 2007; 25: 794-805. [We are indebted to P. Lechopier, D. Crochet and P. Bernardet (INRA) for solving technical problems during the experiments, to J.-R. Chardron, J.-L. Delaunay, R. Delaunay, D. Gauthier, R. Gélinau, P. Lallier, M. Maillon, D. Musset, and W. Piémont for animal husbandry and for the care and maintenance of the animals in a high security level unit.]
- ◆ **Moulin-Schouleur M., Reperant M., Laurent S., Bree A., Mignon-Grasteau S., Gennon P., Rasschaert D., Schouleur C.** Extraintestinal pathogenic *Escherichia coli* strains of avian and human origin: Link between phylogenetic relationships and common virulence patterns. *Journal of Clinical Microbiology*, 2007; 45: 3366-3376. [We thank Patrice Cousin for valuable technical help at various stages of the work.]
- ◆ **Rainard P.** *Staphylococcus aureus* leucotoxin LukM/F ' is secreted and stimulates neutralising antibody response in the course of intramammary infection. *Veterinary Research*, 2007; 38: 685-696. [The author thanks Philippe Bernardet and the staff of animal experimental facilities for managing the goats and collecting blood and milk samples.]
- ◆ **Riou M., Grasseau I., Blesbois E., Kerboeuf D.** Relationships between sterol/phospholipid composition and xenobiotic transport in nematodes. *Parasitology Research*, 2007; 100: 1125-1134. [We thank Mr. Limouzin and his team for the careful maintenance of the animals.]
- ◆ **Bourges D., Chevaleyre C., Wang C., Berri M., Zhang X., Nicaise L., Meurens F., Salmon H.** Differential expression of adhesion molecules and chemokines between nasal and small intestinal mucosae: implications for T-

and sIgA+ B-lymphocyte recruitment. *Immunology*, 2007; 122: 551-561. [We are very grateful to UE PFIE for animal care.]

- ◆ **Zundel E., Pelé S., Phan-Thanh L., Pardon P.** Repeated daily doses do not increase *Listeria monocytogenes* infection in ewes as shown by faecal excretion and serological monitoring. *Small Ruminant Research*, 2007; 71: 286-292. [We thank the technical staff for animal care and help with sample collection in confinement facilities (head: P. Léchopier) and on the farm (head: P. Guillouet)]

2006

- ◆ **Barrier M., Lacroix-Lamande S., Mancassola R., Auray G.L., Bernardet N., Chausse A.M., Uematsu S., Akira S., Laurent F.** Oral and intraperitoneal administration of phosphorothioate oligodeoxynucleotides leads to control of *Cryptosporidium parvum* infection in neonatal mice. *Journal of Infectious Diseases*, 2006; 193: 1400-1407. [We also thank the Institut National de la Recherche Agronomique facilities of Nouzilly and Jouy en Josas, for mouse breeding.]
- ◆ **Barrio M.B., Rainard P., Prevost G.** LukM/LukF '1-PV is the most active *Staphylococcus aureus* leukotoxin on bovine neutrophils. *Microbes and Infection*, 2006; 8: 2068-2074. [We thank the dairy farm staff (Experimental facilities, Pathologie Infectieuse et Immunologie) for assistance in collecting the blood samples.]
- ◆ **Chouikha I., Germon P., Bree A., Gilot P., Moulin-Schouleur M., Schouler C.** A selC-associated genomic island of the extraintestinal avian pathogenic *Escherichia coli* strain BEN2908 is involved in carbohydrate uptake and virulence. *Journal of Bacteriology*, 2006; 188: 977-987. [We are also grateful to Patrice Cousin and Nelly Rouet for their assistance in the in vivo virulence assays.]
- ◆ **Guilloteau L.A., Laroucau K., Olivier M., Grillo M.J., Marin C.M., Verger J.M., Blasco J.M.** Residual virulence and immunogenicity of CGV26 and CGV2631 B-melitensis Rev. 1 deletion mutant strains in sheep after subcutaneous or conjunctival vaccination. *Vaccine*, 2006; 24: 3461-3468. [The help of P. Lechopier, D. Crochet and P. Bernardet (INRA) in conducting animal breeding and management of experimental infections is greatly appreciated, and we thank J.-R. Chardron, J.-L. Delaunay, R. Delaunay, D. Gauthier, R. Gélinau, P. Lallier, M. Maillon, D. Musset, and W. Piémont for their valuable help with animal husbandry, care of animals and active participation in the experimental infection of sheep in the INRA high security unit (A3).]
- ◆ **Rekiki A., Bodier C., Berri A., Rodolakis A.** Efficacy of vaccines against chlamydiosis and Q fever: Bringing-in the murine model. *Small Ruminant Research*, 2006; 62: 117-119. [We thank P. Lechopier and other staff members for animal husbandry.]
- ◆ **Sadeyen JR., Trotereau J., Protais J., Beaumont C., Sellier N., Salvat G., Velge P., Lalmanach AC.** Salmonella carrier-state in hens: study of host resistance by a gene expression approach. *Microbes and Infection*, 2006; 8: 1308-1314. [We thank P. Bernardet, R. Delaunay and D. Gauthier for technical assistance on animal experiments.]