

## Publications PFIE 2013

### Articles dans Périodiques à comité de lecture

Bréard E., Belbis G., Viarouge C., **Riou M.**, Desprat A., **Moreau J.**, Laloy E., **Martin G.**, **Sarradin P.**, Vitour D., Batten C., Doceul V., Sailleau C., Zientara S. Epizootic hemorrhagic disease virus serotype 6 experimentation on adult cattle. Research in Veterinary Science, 2013; 95: 794-798.

**Crochet D., Rouet N., Sarradin P.** Décontamination d'isolateurs utilisés en expérimentation animale par H<sub>2</sub>O<sub>2</sub>. Salles Propres, 2013; (89): 44-49.

Dal Pozzo F., Martinelle L., Thys C., **Sarradin P.**, De Leeuw I., Van Campe W., De Clercq K., Thiry E., Saegerman C. Experimental co-infections of calves with bluetongue virus serotypes 1 and 8. Veterinary Microbiology, 2013; 165: 167-172.

Guillon A., Vecellio L., Montharu J., **Barc C.**, Schubnel V., Roseau G., de Monte M. Techniques d'administration d'aérosols de médicaments chez l'animal. Sciences et Techniques de l'Animal de Laboratoire, 2013; 39: 31-37.

Martinelle L., Dal Pozzo F., **Sarradin P.**, De Leeuw I., De Clercq K., Thys C., Thiry E., Saegerman C. Pulmonary artery haemorrhage in newborn calves following bluetongue virus serotype 8 experimental infections of pregnant heifers. Veterinary Microbiology, 2013; 167: 250-259.

Viennet E., Garros C., Gardes L., Rakotoarivony I., Allene X., Lancelot R., **Crochet D.**, Moulia C., Baldet T., Balenghien T. Host preferences of Palaeartic Culicoides biting midges: implications for transmission of orbiviruses. Medical and Veterinary Entomology, 2013; 27: 255-266.

Wernike K., Hoffmann B., Bréard E., Botner A., Ponsart C., Zientara S., Lohse L., Pozzi N., Viarouge C., **Sarradin P.**, **Leroux-Barc C.**, **Riou M.**, Laloy E., Breithaupt A., Beer M. Schmallenberg virus experimental infection of sheep. Veterinary Microbiology, 2013; 166: 461-466.

### Communications dans Congrès

Andersona J., Hägglund S., Bréard E., **Riou M.**, Zoharid S., Comtet L., **Gélineau R.**, **Martin G.**, Olofson A.S., Pringle J., Blomqvist G., Zientara S., Valarcher J.F. A Development and evaluation of a DIVA subunit vaccine against Bluetongue virus serotype 8 in cattle. Communication orale présentée à 7th Annual meeting EPIZONE. Bruxelles (BEL), 2013/10/01-04.

Garreau H., Brard S., Hurtaud J., **Guitton E.**, Cauquil L., Licois D., **Schwartz B.**, Balmisse E., Tircazes A., Combes S., Gidenne T. Sélection divergente pour les troubles digestifs dans deux lignées commerciales : Réponse de lapins "sensibles" ou "résistants" à une inoculation expérimentale de *Escherichia coli* 0103 15. Journées de la Recherche Cunicole. Le Mans (FRA), 19-20 novembre 2013, 2013: 217-220. Communication orale.

**Housseau C., Rouet N.** "Démarche qualité sur la plateforme d'infectiologie INRA Tours Nouzilly". 5e Rencontres du réseau Qualité en Recherche QeR CNRS. Orléans (FRA), 06-07 juin 2013, 2013: 1 p. Communication orale.

Chevaleyre C., **Riou M.**, Berri M., Cognié J., Venturi E., Lardy H., Villemagne T., Moënne-Loccoz J., Winter N., Gauthier F., **Schwartz B.**, Bähr A., Wolf E., Ramphal R., Attucci S., Buzoni-Gatel D., Si-

Tahar M., **Sarradin P.**, Brea D., Olivier M., Guillon A., Meurens F., **Barc C.** Preliminary studies for the establishment of a model of lung colonization caused by *Pseudomonas aeruginosa* in piglets - Perspectives of application in the CFTR-deficient piglet. 14. Colloque des Jeunes Chercheurs en mucoviscidose. Paris (FRA), 26 février 2013, 2013: 1 p. Communication orale - Session 2 : Infection.

Mignon-Grasteau S., Narcy A., Meda B., Lessire M., Alnahhas N., Arnould C., Lalmanach A.-C., Quéré P., Brossier F., Meme N., Sedano L., Niepceron A., Marty H., Chanteloup N., Trottereau A., Le Vern Y., Lallier N., Brigant J.-M., Callut O., **Guitton E.**, **Cousin P.**, **Campone B.**, **Lavillatte S.**, Hassouna M., Schouler C. Selection for feed efficiency as a tool to improve sustainability of poultry production. 102. Annual Meeting of the Poultry Science Association. San Diego (USA), 22-25 juillet 2013, 2013: 28 diapositives. Communication orale.

**Riou M.**, Guégnard F., Le Vern Y., Koch C., Kerboeuf D. Modulation de la résistance aux antiparasitaires par les stérols chez un nématode *Haemonchus contortus*, parasite des petits ruminants. 3. Journées du Consortium anti-Parasitaire CaP 2013 "De la conception de molécules à l'effet biologique". Lille (FRA), 7-8 février 2013, 2013: 27. Communication orale - Session : "Quelles nouvelles cibles pour les zoonoses" (présentation de 17 diapositives).

## Posters, Affiches présentés dans des Congrès

Chevaleyre C., **Riou M.**, Berri E.M., Cognié J., Venturi E., Lardy H., Villemagne T., Moënne-Loccoz J., Winter N., Gauthier F., **Schwartz B.**, Bähr A., Wolf E., Ramphal R., Attucci S., Buzoni-Gatel D., Si-Tahar M., **Sarradin P.**, Brea D., Olivier M., Guillon A., Meurens F., **Barc C.** Preliminary studies for the establishment of a model of lung colonization caused by *Pseudomonas aeruginosa* in piglets - Perspectives of application in the CFTR-deficient piglets. Journées de Recherche Respiratoire (J2R). Montpellier (FRA), 11-12 octobre 2013, 2013: Poster.

**Crochet D.**, **Rouet N.**, **Sarradin P.** Décontamination d'un isolateur au H<sub>2</sub>O<sub>2</sub> en expérimentation animale : validation d'une procédure. 13. ContaminExpert. Paris (FRA), 26-28 mars 2013, Aspec, 2013: 1 p. Poster P07 - Session : Désinfection par voie aérienne.

## Rapport de stage

Robine Camille : Analyse de l'impact de la circulation du virus de Schmallenberg dans un troupeau ovin de l'INRA. Stage encadré par **Crochet D.**

## REMERCIEMENTS / ACKNOWLEDGMENTS 2013

Bedrani L., Helloin E., Guyot N., Rehault-Godbert S., Nys Y. Passive maternal exposure to environmental microbes selectively modulates the innate defences of chicken egg white by increasing some of its antibacterial activities. BMC Microbiology, 2013; 13: 128. [The authors are grateful to Edouard Guitton, Patrice Cousin, Bruno Campone (Plate-Forme d'Infectiologie Expérimentale, F-37380 Nouzilly, France) for the care of animals.]

Bréard E., Belbis G., Viarouge C., **Riou M.**, Desprat A., **Moreau J.**, Laloy E., **Martin G.**, **Sarradin P.**, Vitour D., Batten C., Doceul V., Sailleau C., Zientara S. Epizootic hemorrhagic disease virus serotype 6 experimentation on adult cattle. Research in Veterinary Science, 2013; 95: 794-798. [The authors would like to thank Dr Bertrand Schwartz and colleagues of the INRA PFIE in Tours-Nouzilly]

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Dal Pozzo F., Martinelle L., Thys C., **Sarradin P.**, De Leeuw I., Van Campe W., De Clercq K., Thiry E., Saegerman C. Experimental co-infections of calves with bluetongue virus serotypes 1 and 8. Veterinary Microbiology, 2013; 165: 167-172. *[The authors thank staff's members of the Plate-forme d'Infectiologie Experimentale (INRA, Tours, France)]*

Doz E., Lombard R., Carreras F., Buzoni-Gatel D., Winter N. Mycobacteria-Infected Dendritic Cells Attract Neutrophils That Produce IL-10 and Specifically Shut Down Th17 CD4 T Cells through Their IL-10 Receptor. Journal of Immunology, 2013; 191: 3818-3826. *[We thank all members of the Plate Forme d'Infectiologie Experimentale facility at the Tours INRA Center for help and advice.]*

Martinelle L., Dal Pozzo F., **Sarradin P.**, De Leeuw I., De Clercq K., Thys C., Thiry E., Saegerman C. Pulmonary artery haemorrhage in newborn calves following bluetongue virus serotype 8 experimental infections of pregnant heifers. Veterinary Microbiology, 2013; [Epub ahead of print]. *[The authors are grateful to the members of staff at the Experimental Infectiology Platform, INRA – Research Centre of Tours (France), especially to the technical directors of this study, David Gauthier and Joël Moreau.]*

Quéré P., Pierre J., Hoang M.D., Esnault E., Domenech J., Sibille P., Dimier-Poisson I. Presence of dendritic cells in chicken spleen cell preparations and their functional interaction with the parasite *Toxoplasma gondii*. Veterinary Immunology and Immunopathology, 2013; 153: 57-69. *[The authors would like to thank Mr. Bruno Campone, Mr. Jean Méry and Mr. Patrice Cousin (PFIE) for their help with the animals]*

Rainard P., Cunha P., Bougarn S., Fromageau A., Rossignol C., Gilbert F.B., Berthon P. T Helper 17-Associated Cytokines Are Produced during Antigen-Specific Inflammation in the Mammary Gland. PLoS One, 2013; 8: e63471. *[The authors would like to thank Robert Gélineau (PFIE, Nouzilly) for help in animal handling]*

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Wernike K., Hoffmann B., Breard E., Botner A., Ponsart C., Zientara S., Lohse L., Pozzi N., Viarouge C., Sarradin P., **Leroux-Barc C.**, **Riou M.**, Laloy E., Breithaupt A., Beer M. Schmallenberg virus experimental infection of sheep. Veterinary Microbiology, 2013; 166: 461-466. *[PFIE Plateforme d'Infectiologie Expérimentale, France is gratefully acknowledged. Many thanks to the technical staff of the PFIE (in particular Guillaume Martin, Aléxis Pléau and Rémi Delaunay, the pilots of the sheep's experiments) in France]*