

BIOGRAPHY

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Title and name

Dr. Olivier Andreoletti

Nationality

French

Panel

Biological Hazards

Education

Doctor in Veterinary Medicine (1994) Toulouse - FRANCE

Specialisation in Veterinary Pathology (DES - 1997) Toulouse FRANCE

PhD in Microbiology (2004)- University Paris XI-FRANCE

Scientific and risk assessment experience

Infectious disease

Transmissible Spongiform Encephalopathies

Risk assessment related to TSE

Main scientific publications

Transmissible Spongiform Encephalopathies, pathogenesis, transmission, species barrier, biological properties evolution

Uro-Coste, E., H. Cassard, S. Simon, S. Lugan, J. M. Bilheude, A. Perret-Liaudet, J. W. Ironside, S. Haik, C. Basset-Leobon, C. Lacroux, K. Peoch, N. Streichenberger, J. Langeveld, M. W. Head, J. Grassi, J. J. Hauw, F. Schelcher, M. B. Delisle, and O. Andreoletti. 2008. Beyond PrP^{9res}) type 1/type 2 dichotomy in Creutzfeldt-Jakob disease. PLoS Pathog 4:e1000029.

Lacroux, C., S. Simon, S. L. Benestad, S. Mailet, J. Mathey, S. Lugan, F. Corbiere, H. Cassard, P. Costes, D. Bergonier, J. L. Weisbecker, T. Moldal, H. Simmons, F. Lantier, C. Feraudet-Tarisse, N. Morel, F. Schelcher, J. Grassi, and O. Andreoletti. 2008. Prions in milk from ewes incubating natural scrapie. PLoS Pathog 4:e1000238.

Espinosa, J. C., Andreoletti, O., Castilla, J., Herva, M. E., Morales, M., Alamillo, E., San-Segundo, F. D., Lacroux, C., Lugan, S., Salguero, F. J., Langeveld, J. & Torres, J. M. (2007). Sheep-passaged bovine spongiform encephalopathy agent exhibits altered pathobiological properties in bovine-PrP transgenic mice. J Virol 81, 835-843.

Lacroux, C., Groschup, M.H., Buschmann, A., Lühken, G., Mathey, J., Eiden, M., Lugan, S., Hoffmann, C., Espinosa, J.C., Baron, T., Torres, J.M., Erhardt, G. & Andreoletti, O. (2007) Classical scrapie in a

German and a French sheep carrying the ARR/ARR prion genotype. *Emerg Infect Dis* Aug;13(8):1201-7.

Beringue, V., Andreoletti, O., Le Dur, A., Essalmani, R., Vilotte, J.L., Reine, F., Herzog, L., Biacabe, A.G., Baron, T., Caramelli, M., Casalone, C. & Laude, H. (2007). A bovine prion acquires an epidemic BSE strain-like phenotype upon interspecies transmission. *J Neurosci* Jun 27;27(26):6965-71

Le Dur, A., Beringue, V., Andreoletti, O., Reine, F., Lai, T. L., Baron, T., Bratberg, B., Vilotte, J. L., Sarradin, P., Benestad, S. L. & Laude, H. (2005). A newly identified type of scrapie agent can naturally infect sheep with resistant PrP genotypes. *Proc Natl Acad Sci U S A* 102, 16031-16036.

Eloit, M., Adjou, K., Couplier, M., Fontaine, J. J., Hamel, R., Lilin, T., Messiaen, S., Andreoletti, O., Baron, T., Bencsik, A., Biacabe, A. G., Beringue, V., Laude, H., Le Dur, A., Vilotte, J. L., Comoy, E., Deslys, J. P., Grassi, J., Simon, S., Lantier, F. & Sarradin, P. (2005). BSE agent signatures in a goat. *Vet Rec* 156, 523-524.

Andreoletti, O., Simon, S., Lacroux, C., Morel, N., Tabouret, G., Chabert, A., Lugan, S., Corbiere, F., Ferre, P., Foucras, G., Laude, H., Eychenne, F., Grassi, J. & Schelcher, F. (2004). PrP^{Sc} accumulation in myocytes from sheep incubating natural scrapie. *Nat Med* 10, 591-593

Andreoletti, O., Lacroux, C., Chabert, A., Monnereau, L., Tabouret, G., Lantier, F., Berthon, P., Eychenne, F., Lafond-Benestad, S., Elsen, J. M. & Schelcher, F. (2002). PrP(Sc) accumulation in placentas of ewes exposed to natural scrapie: influence of foetal PrP genotype and effect on ewe-to-lamb transmission. *J Gen Virol* 83, 2607-2616.

Andreoletti, O., Berthon, P., Marc, D., Sarradin, P., Grosclaude, J., van Keulen, L., Schelcher, F., Elsen, J. M. & Lantier, F. (2000). Early accumulation of PrP(Sc) in gut-associated lymphoid and nervous tissues of susceptible sheep from a Romanov flock with natural scrapie. *J Gen Virol* 81, 3115-3126.
