Curriculum Vitae

Personal information

Damien Bouchard

Work experience

1. Employer: French agency for veterinary medicinal products / French Agency for Food, Environmental and Occupational Health & Safety
    - Start date: 012020
    - End date:
    - Position: Project manager _ specialist in Antimicrobial resistance
    - Activities:
    - Country: France
2. Employer: French agency for veterinary medicinal products / French Agency for Food, Environmental and Occupational Health & Safety
    - Start date: 092017
    - End date: 012020
    - Position: Deputy head of pharmaceuticals assessment unit
    - Activities: _ Management of FR Veterinary Pharmaceuticals Assessment Unit _ Preclinical assessment of antibiotics and antibiotic resistance of pharmaceutical marketing applications _ Antimicrobial resistance risk assessment and risk management _ European and International training on Antimicrobial risk assessment
    - Country: France
3. Employer: French agency for veterinary medicinal products / French Agency for Food, Environmental and Occupational Health & Safety
    - Start date: 072014
    - End date:
    - Position: Antimicrobial risk assessor
    - Activities: _ Preclinical assessment of antibiotics and antibiotic resistance of pharmaceutical marketing applications (new applications and review of old antibiotics)
    - Country: France
4. Employer: University of Rennes 1, Faculty of pharmaceutical sciences and medicine
    - Start date: 102010
    - End date: 102012
    - Position: Lecturer of applied and fundamental bacteriology
    - Activities: _ Lecturer in 1st, 2nd and 3rd year Pharmacy and Medicine courses _ Thematics : Bacterial physiology Phenotypic bacterial characterization Molecular bacteriology Antibiotic resistance gene tranfer Antibiotic susceptibility testing
    - Country: France

Education and training

1. Subject: French National Institute for Agricultural Research
    - Start date: 102010
    - End date: 112013
    - Qualification: Doctor of philosophy in Microbiology _ with class honors
    - Organisation: Thesis : Understanding staphylococcal bovine mastitis _ the relation between host cells, S. aureus pathogenicity and bovine teat microbiota.
    - Country: France
2. Subject: Nantes Atlantic College of Veterinary Medicine
    - Start date: 062012
    - End date: 062012
    - Qualification: Level 1 animal experimentation accreditation
    - Organisation: _ 2 weeks training _ Design of animal experimental procedures on Mammals _ European reglementation related on Good Laboratory Practice and 3R
    - Country: France
3. Subject: University of Rennes 1
    - Start date: 092008
    - End date: 062010
    - Qualification: Master degree in Applied and Fundamental Microbiology _ with honors
    - Organisation: Thesis : Characterization of a hypermutator phenotype of Salmonella Heidelberg and its impact on host cells.
    - Country: France

Additional information

Publications

Scientific reports :

1) Maximum levels of cross_contamination for 24 antimicrobial active substances in non_target feed. Volume19, Issue10. October 2021. e06852

2) Answer to the request from the European Commission for updating the scientific advice on the impacton public health and animal health of the use of antibiotics in animals _ Categorisation of antimicrobials. EMA/CVMP/CHMP/682198/2017.

3) Reflection paper on antimicrobial resistance in the environment: considerations for current and future risk

assessment of veterinary medicinal products.

4) Reflection paper on dose optimisation of established veterinary antibiotics in the context of SPC harmonisation. CVMP ad hoc group.

5) Alternatives to antibiotics in order to reduce their use in livestock farming. Anses scientific report. (2017).

6) ECDC, EFSA and EMA Joint Scientific Opinion on a list of outcome indicators as regards surveillance of antimicrobial resistance and antimicrobial consumption in humans and food_producing animals. EFSA Journal 2017;15(10):5017.

7) Methodology for revising the dosages of older antibiotics. Anses scientific report. (2017).

8) Risk for the development of Antimicrobial Resistance (AMR) due to feeding of calves with milk containing residues of antibiotics. EFSA Journal 2017;15(1):4665

9) Scientific opinion of French Agency for Food, Environmental and occupationnal Health & Safety / National Agency for Veterinary Medicial Products relating to referral No 2016_SA_0160 concerning the use of colistin in veterinary medicine. October 2016. (In French)

International Peer Reviewed Journals :

1) Environmental contamination in a high_income country (France) by antibiotics, antibiotic_resistant bacteria, and antibiotic resistance genes: Status and possible causes. Haenni M., Dagot C., Chesneau O., Bibbal D.n Labanowski J., Vialette M., Bouchard D., Martin_Laurent F., Calsat L., Nazaret S., Petit F., Pourcher AM., Togola A., Bachelot M., Topp E. and Hocquet D. (Int. Env., 2022).

2) The use of aminoglycosides in animals within the EU: development of resistance in animals and possible impact on human and animal health: a review. van Duijkeren E, Schwarz C, Bouchard D, Catry B, Pomba C, Baptiste KE, Moreno MA, Rantala M, Ružauskas M, Sanders P, Teale C, Wester AL, Ignate K, Kunsagi Z, Jukes H. J Antimicrob Chemother. 2019

3) Contribution of sortase SrtA2 to Lactobacillus casei BL23 Inhibition of Staphylococcus aureus Internalization into Bovine Mammary Epithelial Cells. Souza RFS, Jardin J, Cauty C, Rault L, Bouchard DS, Bermudez_Jumaran LG, Langella P, Monedero V, Seyffert N, Azevedo V, Le Loir Y and Even S. Plos One. 2017.

4) Bovine teat microbiome analysis revealed reduced alpha diversity and significant changes in taxonomic profiles in quarters with a history of mastitis. Falentin H, Rault L, Nicolas A, Bouchard DS, Lassalas J, Lamberton P, Aubry JM, Marnet PG, Le Loir Y, Even S. Front Microbiol. 2016.

5) Hypermutator Salmonella Heidelberg induces an early cell death in epithelial cells. Le Gall_David S, Zenbaa N, Bouchard D, Lavault MT, Bonnaure_Mallet M, Jolivet_Gougeon A, Bousarghin L. Vet. Mic. 2015.

6) Lactic acid bacteria isolated from the bovine mammary microbiota as potential allies against bovine mastitis. Bouchard DS, Bianca S, Saraoui T, Rault L, Germon P, Gonzalez Morano C, Nader_Macias FME, Patrice F, Chuat V, Chain F, Langella P, Nicoli J, Le Loir Y and Even S. PLoS One. 2015.

7) Fine_tuned characterization of Staphylococcus aureus Newbould 305, a strain associated with mild and chronic mastitis in bovines. Peton V, Bouchard DS, Almeida S, Rault L, Falentin H, Jardin J, Jan G, Hernandez D, François P, Schrenzel J, Azevedo V, Miyoshi A, Berkova N, Even S, Le Loir Y. Vet Res. 2014 Oct 14;45(1):106.

8) Inhibition of Staphylococcus aureus invasion into bovine mammary epithelial cells by contact with live Lactobacillus casei. Bouchard DS, Rault L, Berkova N, Le Loir Y, Even S. Appl Environ Microbiol. 2013. doi: 10.1128/AEM.03323_12.

9) Genome sequence of Staphylococcus aureus Newbould 305, a strain associated with mild bovine mastitis. Bouchard DS, Peton V, Almeida S, Le Maréchal C, Miyoshi A, Azevedo V, Berkova N, Rault L, François P, Schrenzel J, Even S, Hernandez D, Le Loir Y. J Bacteriol. 2012. doi: 10.1128/JB.01188_12.

Book Chapters :

1) Lactic Acid Bacteria in Animal Production and Health. Bouchard DS, Even S, Le Loir Y. Book chapter: Biotechnology of Lactic Acid Bacteria, chapter 9. Wiley_Blackwell / F. Mozzi, RR Raya, GM Vignolo. 2015.

2) Lactic Acid Bacteria to modulate virulence expression in pathogenic bacteria : an alternative to killing ? Even S, Bouchard DS, Le Loir Y. Book chapter : Interactives probitiocs, chapter 3. CRC Press / E. Pessione. 2014.

Projects

_ National working group on methodology for revising the dosages of older antibiotics.

_ National working group on alternatives to antimicrobials usage in veterinary medicine.

_ National working group on the environmental dimension of AMR.

Memberships

AMR expert of the Quadripartite Technical Group on Antimicrobial Resistance and Use Integrated Surveillance (QTG_AIS, 2022)

Vice_Chair of the Antimicrobial Working Party of the European Medicine Agency (AWP_EMA)

Scientifical and technical expert of the French delegation during the Ad hoc Codex alimentarius Intergovernmental Task Force on Antimicrobial Resistance (TFAMR 7 and 8)

Joint FAO/WHO Roster of Experts on Foodborne Antimicrobial Resistance (AMR) Steering committee of national surveillance network of antimicrobial resistance in pathogenic bacteria from animal origin (RESAPATH)

Other Relevant Information