



Curriculum Vitae

Personal information **Philippe BERNY**

Work experience

2018-	Head of the Clinical Pharmacy of Vetagro Sup, College of Veterinary Medicine
2015-ongoing	Member of the Expert Committee on Plant Protection Products at Anses, France (CES-PHYTO)
2015-2024	Member of the EFSA Plant Pesticide and Residue Panel
2014-2023	Member of the Expert Committee on Veterinary Drug at Anses, France (CES-Med Vet) – modified to Working Group on Veterinary Drugs
2011-2014	Member of the French National Commission on Veterinary Drugs
2010-2014	Head of the Veterinary Biological Sciences Department – College of Veterinary Medicine
2003-	Professor in veterinary Pharmacy and Toxicology
1999-2010	Assistant Head of Department (Veterinary Biological Sciences) – College of veterinary Medicine, Lyon Associate Member of the “Commission d’évaluation de la toxicité” du Ministère de l’Agriculture (National Pesticide Registration Committee) as a Toxicology expert Member of the National Toxicovigilance Commission
1998	Chairman of the Organizing Committee of the meeting “Agrochemicals and Animal poisoning : towards Toxicovigilance ?” Lyon July 3-4, 1998, a satellite meeting of the International Union of Toxicology IX meeting in Paris
1997-	Head of the Toxicology Laboratory (College of Veterinary Medicine, Lyon)
1994-	Assistant Professor in Veterinary Pharmacology and Toxicology – Head of the Toxicology Diagnostic Laboratory

- 1993-94 Associate Assistant Professor in Veterinary Pharmacology and Toxicology College of veterinary medicine, Lyon
Reviewer for “Environmental Health Perspectives”
- 1990-93 Research assistant at the University of Illinois “Household Pets as monitors of environmental lead exposure to humans”
- Over 100 international publications, 60 poster and oral communications in veterinary (eco)toxicology and/or pharmacology

Education and training

2001. **Diplomate** of the European College of Veterinary Pharmacology and Toxicology (specialist in Toxicology) (ECVPT) (renewed 2011) – Member of the accreditation committee of the ECVPT
- 1990-93 **Philosophy Doctorate** (Ph D) in Veterinary Biosciences: toxicology
University of Illinois at Urbana-Champaign (UIUC)
- 1990-93 **Internship** (veterinary clinical toxicology) at the National Animal Poison Control Center, University of Illinois
1989. **Doctor in Veterinary Medicine** – Silver medal for the Vet Thesis, University
Lyon I
- 1988 End of veterinary studies
- 1982 End of High School studies

Additional information

Publications

- 106- Hirschinger J, Larrat S, Le Loc'h G, Arné P, Gourlay P, Le Moal C, Prevost L, Berny P, Ramery E, Zenner L, Rambaud T, Hubert P, Gilot-Fromont E, Lemberger K. Causes of Death and Screening for Toxicants and Hemopathogens of European Hedgehogs (*Erinaceus europaeus*) from a Wildlife Rehabilitation Center in Northern France. *J Wildl Dis.* 2025 Jan 1;61(1):100-110. doi: 10.7589/JWD-D-24-00092. PMID: 39573900.
- 105- Lamonica D, Charvy L, Kuo D, Fritsch C, Coeurdassier M, Berny P, Charles S. A brief review on models for birds exposed to chemicals. *Environ Sci Pollut Res Int.* 2024 Aug 12. doi: 10.1007/s11356-024-34628-5. Epub ahead of print. PMID: 39133414.
- 104- Doussan I, Barthélémy C, Berny P, Bureau-Point E, Corio-Costet MF, Le Perchec S, Mamy L. Regulatory framework for the assessment of the impacts of plant protection products on biodiversity: review of strengths and limits. *Environ Sci Pollut Res Int.* 2024 May;31(25):36577-36590. doi: 10.1007/s11356-024-33638-7. Epub 2024 May 17. PMID: 38760600.
- 103- Fritsch C, Berny P, Crouzet O, Le Perchec S, Coeurdassier M. Wildlife ecotoxicology of plant protection products: knowns and unknowns about the impacts of currently used pesticides on terrestrial vertebrate biodiversity. *Environ Sci Pollut Res*

Int. 2024 Apr 19. doi: 10.1007/s11356-024-33026-1. Epub ahead of print. PMID: 38639904.

102- Berny P., BELHADJ D., ESPAÑA B., LECU A. Fecal elimination of fluralaner in different carnivore species after oral administration. *Frontiers in veterinary sciences*. *Front Vet Sci*. 2024 Aug 16;11:1279844. doi: 10.3389/fvets.2024.1279844. PMID: 39220768; PMCID: PMC11362066.

101- EFSA Panel on Plant Protection Products and their Residues (PPR); Hernandez-Jerez AF, Adriaanse P, Aldrich A, Berny P, et al. 2023, Development of adverse outcome pathways relevant for the identification of substances having endocrine disruption properties Uterine adenocarcinoma as adverse outcome. *EFSA J*. 21(2):e07744. Doi: 10.2903/j.efsa.2023.7744.

100- Pesce S, Mamy L, Sanchez W, Amichot M, Artigas J, Aviron S, Barthélémy C, Beaudouin R, Bedos C, Bérard A, Berny P, Bertrand C, Bertrand C, Betoulle S, Bureau-Point E, Charles S, Chaumot A, Chauvel B, Coeurdassier M, Corio-Costet MF, Coutellec MA, Crouzet O, Doussan I, Faburé J, Fritsch C, Gallai N, Gonzalez P, Gouy V, Hedde M, Langlais A, Le Bellec F, Leboulanger C, Margoum C, Martin-Laurent F, Mongrue R, Morin S, Mougin C, Munaron D, Néliu S, Pelosi C, Rault M, Sabater S, Stachowski-Haberkorn S, Sucré E, Thomas M, Tournebize J, Leenhardt S. 2023. Main conclusions and perspectives from the collective scientific assessment of the effects of plant protection product on biodiversity and ecosystem services along the land-sea continuum in France and French overseas territories. *Environ. Sci. Pollut. Res. Int*. doi: 10.1007/s11356-023-26952-z. [Online ahead of print](#).

99- EFSA Panel on Plant Protection Products and their Residues (PPR); Hernandez-Jerez A, Adriaanse P, Aldrich A, Berny P, et al., 2023. Statement of the Scientific Panel on Plant Protection Products and their Residues (PPR Panel) on the design and conduct of groundwater monitoring studies supporting groundwater exposure assessment of pesticides. *EFSA J*. 21(5) :e07990. doi: 10.2903/j.efsa.2023.7990. [eCollection 2023 May](#).

98- Bean TG, Beasley VR, Berny P, Eisenreich KM, Elliott JE, Eng ML, Fuchsman PC, Johnson MS, King MD, Mateo R, Meyer CB, Salice CJ, Rattner BA., 2023, Toxicological effects assessment for wildlife in the 21st century: review of current methods and recommendations for a path forward. *Integr. Environ. Assess. Manag*. doi: 10.1002/ieam.4795. [Online ahead of print](#).

97- Dutil GF., Berny P., 2023. A prospective study on clinical signs, management, outcomes and delayed neurologic sequelae due to metaldehyde poisoning in 26 dogs. *Open vet. J*. 13(5): 510-514 doi: 10.5455/OVJ.2023.v13.i5.2. [Epub 2023 May 2](#).

96- Rattner BA, Bean TG, Beasley VR, Berny P, Eisenreich KM, Elliott JE, Eng ML, Fuchsman PC, King MD, Mateo R, Meyer CB, O'Brien JM, Salice CJ. 2023. Wildlife ecological risk assessment in the

21st century: promising technologies to assess toxicological effects. Integr. Environ. Assess. Manag. doi: 10.1002/ieam.4806. Online ahead of print.

95- Mamy L, Pesce S, Sanchez W, Aviron S, Bedos C, Berny P, Bertrand C, Betouille S, Charles S, Chaumot A, Coeurdassier M, Coutellec MA, Crouzet O, Faburé J, Fritsch C, Gonzalez P, Hedde M, Leboulanger C, Margoum C, Mougin C, Munaron D, Nélieu S, Pelosi C, Rault M, Sucre E, Thomas M, Tournebize J, Leenhardt S., 2023 Impact of Neonicotinoids on biodiversity: a critical review. Environ. Sci. Pollut. Res. Int. doi: 10.1007/s11356-023-31032-3. Online ahead of print.

94- EFSA (European Food Safety Authority), AAGAARD A, BERNY P, CHATON PF, ANTIA AL, MCVEY E, ARENA M, FAIT G, IPPOLITO A, LINGUADOCA A, SHARP R, THEOBALD A and BROCK T, 2023. Guidance on the risk assessment for Birds and Mammals. EFSA Journal 2023;21(2):7790, 300 pp. <https://doi.org/10.2903/j.efsa.2023.7790>

93- ALFONSO MENDOZA-ROLDAN, J., NAPOLI, E., PERLES, L. MARINO, M., SPADOLA, F., BERNY, P., ESPANA, B., BRIANTI, E., BEUGNET, F., OTRANTO, D. Afoxolaner (NexGard®) in pet snakes for the treatment and control of *Ophionyssus natricis* (Mesostigmata: Macronyssidae). *Parasites Vectors* **16**, 6 (2023). <https://doi.org/10.1186/s13071-022-05611-1>

92- CAMBOURNAC M., MOUMADAH Y., BERNY P., ESPANA B. (2022) Treatment of flurbiprofen overdose with therapeutic plasma exchange in a dog. Vet. Rec. Case reports (epub) <https://doi.org/10.1002/vrc2.539>

91- EFSA PPR Panel (EFSA Panel on Plant Protection Products and their Residues), Hernandez-Jerez AF, Adriaanse P, Aldrich A, Berny P, Duquesne S, Focks A, Marinovich M, Millet M, Pelkonen O, Pieper S, Tiktak A, Topping CJ, Widenfalk A, Wilks M, Wolterink G, Binaglia M, Chiusolo A, Serafimova R, Terron A and Coja T, 2022. Scientific opinion on toxicity of pyrethroid common metabolites. EFSA Journal 2022;20(10):7582, 31 pp. <https://doi.org/10.2903/j.efsa.2022.7582>

90- LARRAS F., BEAUDOUIN R., BERNY P., CHARLES S., CHAUMOT A., CORIO-COSTET MF., DOUSSAN I., PELOSI C., LEENHARDT S., MAMY L. (2022) A meta-analysis of ecotoxicological models used for plant protection product risk assessment before their placing on the market. Science of the total Environment 844. <https://doi.org/10.1016/j.scitotenv.2022.157003>

89- VALVERDE I., ESPIN S., GOMEZ-RAMIREZ P., SANCHEZ-VIROSTA P., GARCIA-FERNANDEZ A., BERNY P. (2022) Developing a European network of analytical laboratories and government institutions to prevent poisoning of raptors. Environmental Monitoring and Assessment (in press) doi: 10.1007/s10661-021-09719-2

88- HERNANDEZ-JEREZ A., ADRIAANSE P., ALDRICH A.P., BERNY P. et al. (2021) Scientific Opinion of the Scientific Panel on Plant Protection Products and their Residues (PPR Panel) on testing and interpretation of comparative in vitro metabolism studies. EFSA Journal 19(12). 6970 Doi : 10.2903/j.efsa.2021.6970

87- Chavalle T., Chamel G., Dencœux P., Lajoinie M., Sayag D., Berny P., Ponce F. Are severe adverse events commonly observed in dogs during cancer chemotherapy? A retrospective study on 155 dogs. (2021) Veterinary and comparative oncology. Doi : 10.1111/vco.12782

86- Dulsat-Masvidal M., et al. (2021) A review of constraints and solutions for collecting raptor samples and contextual data for a European Raptor Biomonitoring Facility (2021) Science of the total Environment 793 doi: 10.1016/j.scitotenv.2021.148599

85- Lestrade, M., Vergne T., Guinat C., Berny P., Lafitte J., Novella C., and Le Loc'h, G. (2021) "Risk of Anticoagulant Rodenticide Exposure for Mammals and Birds in Parc National des Pyrénées, France," *Journal of Wildlife Diseases* 57(3), 637-642, (5 July 2021). <https://doi.org/10.7589/JWD-D-20-00125>

84- HERNANDEZ-JEREZ A., ADRIAANSE P., ALDRICH A.P., BERNY P. et al. (2021) Development of integrated approaches to testing and assessment (IATA) case studies on developmental neurotoxicity (DNT) risk assessment. EFSA Journal 19(6). 6276 Doi : 10.2903/j.efsa.2021.6599

83- HERNANDEZ-JEREZ A., ADRIAANSE P., ALDRICH A.P., BERNY P. et al. (2020) Statement on the transportation potential by *Pseudomonas chlororaphis* MA342 in plants after seed treatment of cereals and peas and assessment of the risk to humans. EFSA Journal 18(10). 6276 Doi : 10.2903/j.efsa.2020.6276

82- HERNANDEZ-JEREZ A., ADRIAANSE P., ALDRICH A.P., BERNY P. et al. (2020) Scientific Opinion of the Scientific Panel on Plant Protection Products and their Residues (PPR Panel) on the genotoxic potential of triazine amine (metabolite common to several sulfonylurea active substances) EFSA Journal 18(3). 6053 Doi : 10.2903/j.efsa.2020.6053

81- ROSTANG A., DESJARDINS I., ESPANA B., PANZUTTI P., BERNY P., PROUILLAC C., PIN D. (2020) Pharmacokinetics of low-dose methotrexate in horses J. Vet Pharmacol Therap. 43(5), 461-469

80- TOPPING C.J., ALDRICH A., BERNY P. (2020) Overhaul environmental risk assessment for pesticides. Science 367 (6476): 360-363 doi : 10.1126/science.aay1144

79- LAHMAR R., BERNY P., MAHJOUR T., BEN YOUSSEF S. (2019) Animal Pesticide poisoning in Tunisia. Front Vet Sci. 5, (6); 369-374 doi : 10.3389/fvets.2019.00369.

- 78- HERNANDEZ-JEREZ A., ADRIAANSE P., ALDRICH A.P., BERNY P. et al. (2019) Scientific Statement on the coverage of bats by the current pesticide risk assessment for birds and mammals. EFSA Journal 17(7): 5758 doi: 10.2903/j.efsa.2019.5758
- 77- HERNANDEZ-JEREZ A., ADRIAANSE P., ALDRICH A.P., BERNY P. et al. (2019) Scientific opinion on the setting of health-based reference values for metabolites of the active substance terbuthylazine. EFSA Journal 17(6): 5712
- 76- BERNY P., ESTHER A., JACOB J., PRESCOTT C. (2018) Development of resistance to anticoagulant rodenticides in rodents in Anticoagulant rodenticides and wildlife, N. Vanden Brink, J.E. Elliott, R.F.Shore and B.A.Rattner editors Springer, Cham, pp 259-286
- 75- CALONI F., BERNY P., CROUBELS S., SACHANA M., GUITART R. (2018) Epidemiology of animal poisonings in Europe. Chapter 3 in Veterinary Toxicology, 3rd edition, Elsevier, pp 45-56
- 74- DESVAR-LARRIVE A., HAMMED A., HODROGE A., BERNY P., BENOIT E., LATTARD V., COSSON JF. (2019) Population genetics and genotyping as tools for planning rat management programmes. J. Pest. Science <https://doi.org/10.1007/s10340-018-1043-4> published online Sept 7th, 2018.
- 73- OCKLEFORD C., ADRIANSEE P., BERNY P., BROCK T. Et al. (2018) Scientific opinion on the state of the art of Toxicokinetic/Toxicodynamic (TKTD) effect models for regulatory risk assessment of pesticides for aquatic organisms. EFSA Journal 16(2): 5125
- 72- ROSTANG A., MOSCA M., JEANIN M., LUISSIEZ C., BERNY P., FOUREL I., PIN D., PROUILLAC C. (2018) Pharmacokinetics of low-dose methotrexate in healthy beagle dogs. J. Vet. Pharmacol. Therap. 41(5): 659-669
- 71- OCKLEFORD C., ADRIANSEE P., BERNY P., BROCK T. Et al. (2018) Scientific opinion on the state of science on pesticide risk assessment for amphibians and reptiles. EFSA Journal 16(2): 5125
- 70- BERNY P., MAS E., VEY D. (2017) Embedded lead shots in birds of prey : the hidden threat. European Journal of Wildlife Research. <https://doi.org/10.1007/s10344-017-1160-z>
- 69- DESVARS-LARRIVE A., PASCAL M., GASQUI P. et al. Population genetics, community of parasites, and resistance to rodenticides in an urban brown rat (*Rattus norvegicus*) population. PLoS One. 2017 Sep 8;12(9):e0184015. doi: 10.1371/journal.pone.0184015. eCollection 2017.
- 68- ALOMAR H., CHABERT A., COEURDASSIER M., VEY D., BERNY P. (2017) Accumulation of anticoagulant rodenticides (chlorophacinone, bromadiolone and brodifacoum) in a non-target

invertebrate, the slug, *Deroceras reticulatum*. *Science of the total Environment* 610-611: 576-582

67- KRIEF S., BERNY P., GUMISIRIZA F., GROSS R., DEMENEIX B., FINI J.B., CHAPMAN C.A., CHAPMA, L.J., SEGUYA A., WASSWA J. (2017). Agricultural expansion as risk to endangered wildlife : pesticide exposure in wild chimpanzees and baboons displaying facial dysplasia. *Science of the total Environment*, 598: 647-656

66- POULIQUEN H., LOUVARD I., BERNY P., KAMMERER M. (2016). Lead poisoning in a cat. *Journal of Veterinary Pharmacology and Therapeutics*, 38: 157-158

65- MILLOT F., DECORS A., MASTAIN O., QUINTAINE T., BERNY P., LASSEUR R., BRO E. (2016) Field evidences of birds poisoned by imidacloprid-treated seeds: a review of incidents reported by the French SAGIR network from 1995 to 2014. *Environmental Science and Pollution Research*.

64- ALOMAR H., LEMARCHAND C., ROSOUX R., VEY D., BERNY P. (2016) Concentrations of organochlorine compounds (pesticides and PCBs), trace elements (Pb, Cd, Cu and Hg), ¹³⁴Cs, and ¹³⁷Cs in the liver of European otter (*Lutra lutra*), great cormorant (*Phalacrocorax carbo*), and European catfish (*Silurus glanis*), collected from the Loire river (France) *European Journal of Wildlife Research* (DOI 10.1007/s10344-016-1038-5) (online)

63- BERNY P., VILAGINES L., CUGNASSE JM., MASTAIN O., CHOLLET JY., JONCOUR G., RAZIN M. (2015) Vigilance Poison : illegal poisoning and lead intoxication are the main factors affecting avian scavenger survival in the Pyrenees (France) *Ecotoxicology and Environmental Safety* 118: 71-82.

62- MILLOT F., BERNY P., DECORS A., BRO E. (2015) “A field study of acute and short term effects of current pesticides in farmland birds: the grey partridge as a case study. *Ecotox. Environ. Safety* 117: 41-61

61- BERNY P. J., FOUREL I., LATTARD V. (2014) Anticoagulant Rodenticides : resistance and residues in Norway rats in France. *Proc. 26th Vertebr. Pest Conf. University of Calif., Davis*, pp 342-346

60-VEIN J., LEBLOND A., BELLI P., KODJO A., BERNY P. (2014) “The role of Coypu (*Myocastor coypus*), an invasive aquatic species in the epidemiological cycle of leptospirosis in two wetlands in the East of France” *Eur. J. Wildl. Res.* 60(1): 125-133

59-CILIBERTI A., MARTIN S., FERRANDEZ E., BELLUCO S., RANNOU B., DUSSART C., BERNY P., DE BUFFRENIL V. (2013) “Experimental exposure of juvenile savannah monitors (*Varanus exanthematicus*) to an environmentally relevant mixture of three contaminants: effects and accumulation in tissues. *Environ. Sci. Poll.*

Res. Int20(5):3107-14.

58-VEIN J., VEY D., FOUREL I., BERNY P. (2013) "Bioaccumulation of chlorophacinone in strains of rats resistant to anticoagulants" *Pest. Manag. Sci.* 69(3): 397-402

57-SAGE M., FOUREL I., LAHOREAU J., SIAT V., BERNY P., ROSSI S. (2013) "Iophenoxic acid derivatives as markers of oral baits to wildlife: new tools for their detection in tissues of a game species and safety consideration for human exposure." *Environ Sci Pollut Res Int.* 2013 May;20(5):2893-904

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55-LEMARCHAND C., ROSOUX R., PENIDE M.E., BERNY P. (2012) "Tissue concentrations of pesticides, PCBs and metals among ospreys, *Pangon haliaetus*, collected in France". *Bull. Environ. Contam. Toxicol.* 88(1): 89-93

54-CILIBERTI A., BERNY P., VEY D., DE BUFFRENIL V. (2011) Assesment of the environmental contamination around obsolete pesticide stockpiles (dieldrin and parathion) in West Africa: use of the Nile monitor (*Varanus niloticus*) as a sentinel species". *Environmental Toxicology and Chemistry*, 31 (2): 387-394

53-CILIBERTI A., BERNY P., DELIGNETTE-MULLER M.L., DE BUFFRENIL V. (2011) "The Nile monitor (*Varanus niloticus* ; *squamata* : *Varanidae*) as a sentinel species for lead and cadmium contamination in sub-Saharan wetlands." *Science of the total Environment* 409: 4735-4745

52-PLOUZEAU E., GUILLARD E., PINEAU A., BILLIALD P., BERNY P. (2011) "Will leaded young mallards take wing? Effect of a single lead shot ingestion on growth of juvenile game-farm Mallard ducks *Anas platyrhynchos*". *Science of the total Environment* 409: 2379-2383

51-VEIN J., GRANDEMANGE A., COSSON J.F., BENOÎT E., BERNY P. (2011) "Are water voles (*Arvicola terrestris*) resistant to anticagulant rodenticides following field treatments ?" *Ecotoxicology* 20, (6): 1432-1441.

50-BERNY P., VELARDO J., PULCE C., D'AMICO A., KAMMERER M., LASSEUR R. (2010) "Prevalence of anticoagulant rodenticide poisoning in humans and animals in France and substances involved." *Clin. Toxicol.* 48: 935-941

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- fox faeces by LC/ESI-MS in relationship with toxicological data and clinical signs after repeated exposure”. *Environ. Res.*, 110 (7): 664-674
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- 47- FOUREL I., HUGNET C., GOY-THOLLOT I., BERNY P. (2010) “Validation of a new LC-MS-MS ion-trap technique for the simultaneous determination of 13 anticoagulant rodenticides, drugs, or natural products” *Journal of Analytical Toxicology* 34: 95-102
- 46- GUITART R, SACHANA M., CALONI F., CROUBLES S., VANDENBROUCKE V., BERNY P. (2010) “Animal Poisoning in Europe. Part III. Wildlife” *Veterinary Journal* 183, (3): 260-265
- 45- BERNY P., CALONI F., CROUBLES S., SACHANA M., VANDENBROUCKE V., DAVANZO F., GUITART R. (2010) “Animal Poisoning in Europe. Part II. Companion animals” *Veterinary Journal* 183, (3): 255-259
- 44- CALONI F., BERNY P., CROUBLES S., SACHANA M., VANDENBROUCKE V., DAVANZO F., GUITART R. (2010) “Animal Poisoning in Europe. Part I. Farm livestock vet poultry” *Veterinary Journal* 183, (3): 249-254
- 43- GRANDEMANGE A., LASSEUR R., LONGIN-SAUVAGEON C., BENOIT E., BERNY P. (2010) “Distribution of VKORC1 SNP’s in wild *Rattus norvegicus* in France”. *Pest Management Science* 66, (3): 270-276
- 42- GRANDEMANGE A., KOHN M., LASSEUR R., LONGIN-SAUVAGEON C., BERNY P. BENOIT E (2009) “Consequences of the Y139F Vkorc1 mutation on resistance to AVKs – in vivo investigation in a 7th generation of congenic Y139F strain of rats” *Pharmacogenetics and genomics* 19 (10): 742-750
- 41- SAGE M., CŒURDASSIER M., DEFAUT R., GIMBERT F., BERNY P., GIRAUDOUX P. (2008) “Kinetics of bromadiolone in rodent populations and implications for predators after field control of the water vole, *Arvicola terrestris*.” *Science of the Total Environment* 407: 211-222
- 40- KOUSSOROPLIS AM., LEMARCHAND C., BEC A., DESVILLETES C., AMBLARD C., FOURNIER C., BERNY P. BOURDIER C. (2008) “From aquatic to terrestrial food webs: decrease of the docosahexanoic acid/linoleic acid ratio” *Lipids* 43: 461-466
- 39- BERNY P., GAILLET J.R. (2008) “Acute poisoning of red kites (*Milvus milvus*) in France : data from the SAGIR network.” *Journal of Wildlife Diseases* 44: 417-426
- 38- LASSEUR R., LONGIN-SAUVAGEON C., BERNY P., BENOIT E.

(2007) “Biochemistry of resistance to warfarin in a French strain of the Norway rat (*Rattus norvegicus*).” *International Journal of Pest Management* 53: 273-280

37- LEMARCHAND C., AMBLARD C., SOUCHON Y., BERNY P. “Organochlorine pesticides and PCBs content in scats from actual expanding French otter (*Lutra lutra*) populations.” (2007) *Water, air, soil Pollution* 186: 55-62

36- LASSEUR R., GRANDEMANGE A., LONGIN-SAUVAGEON C., BERNY P., BENOIT E. “Comparison of the inhibition effect of different anticoagulants on vitamin K epoxyde reductase activity from warfarin-susceptible and resistant rat”. (2007) *Pesticide Biochemistry and Physiology* 88: 203-208

35- SAGE M., CŒURDASSIER M., DEFAUT R., LUCOT E., BARBIER B., RIEFFEL D., BERNY P., GIRAUDOUX P. “How environment and vole behaviour may impact rodenticide bromadiolone persistence in wheat baits after field controls” (2007) *Environmental Pollution* 148: 372-379

34- BERNY P. “Pesticides and the intoxications of wild animals” (2007) *Journal of veterinary Pharmacology and Therapeutics* 30: 93-100

33- BERNY P.J., de BUFFRENIL V., HEMERY G. “Use of the Nile Monitor (*Varanus niloticus* (Reptilia: Varanidae), as a bio-indicator of Organochlorine pollution in African wetlands.” (2006) *Bulletin of Environmental Contamination and Toxicology* , 77: 359-366

32- LASSEUR R., GRANDEMANGE A., LONGIN_SAUVAGEON C., BERNY P., BENOIT E. “Heterogeneity of the coumarin anticoagulant targeted vitamin K epoxyde reduction system. Study of kinetic parameters in susceptible and resistant mice (*Mus musculus domesticus*). (2006) *J. Biochem Mol Toxicol.* 20: 221-229

31- GIRAUDOUX P. TREMOLIERES C., BARBIER B., DEFAUT R., RIEFFEL D., BERNARD N., LUCOT E., BERNY P. “Persistence of bromadiolone anticoagulant rodenticide in *Arvicola terrestris* populations after field control” (2006) *Environmental Research* 102: 291-298

30- BERNY Ph., ALVES DE OLIVEIRA L., VIDEMANN B., ROSSI S. “Assessment of ruminal degradation, oral bioavailability, and toxic effects of anticoagulant rodenticides in sheep” (2006) *American Journal of veterinary Research* 67, (2): 363-371

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organochlorine pesticides and heavy metals (lead, cadmium and copper) in fish from the Drôme river: potential effects on otters (*Lutra lutra*). (2005) *Chemosphere* 61: 810-816

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7- BERTINI S., BURONFOSSE F., PINEAU X., BERNY P., LORGUE G. « Benzodiazepine poisoning in companion animals. » (1995) *Veterinary and human Toxicology* 37: 559-562

6- BERNY P., BURONFOSSE T., LORGUE G. « Anticoagulant poisoning in animals : a simple new high performance thin-layer chromatography (HPTLC) method for the simultaneous determination of eight anticoagulant rodenticides in liver samples. » (1995) *Journal of analytical Toxicology* 19: 576-580

5- BERNY P., BUCK WB., COTE LM. « Can household pets be used as reliable monitors of lead exposure to humans? » (1995) *The Science of the Total Environment* 172: 163-173

4- BERNY P., BUCK WB., COTE LM. « Relationship between soil lead, dust lead and blood lead concentrations in pets and their owners. Evaluation of soil lead threshold values » (1994) *Environmental Research* 64: 84-97

3- BERNY P., BUCK WB., COTE LM. « Low blood lead concentrations associated with various biomarkers in household pets » (1994) *American Journal of Veterinary Research* 55: 55-62 (1994)

2- BERNY P., BUCK WB., COTE LM. « Erythrocyte δ -Aminolevulinic Acid Dehydratase (ALAD) Activity as an Indicator of Lead Exposure in Dogs and Cats: Optimal Test Conditions » (1992) *Toxicology Methods* 2: 57-68

1- BERNY P., BUCK WB., COTE LM. « Case reports of lead poisoning in dogs from the National Animal Poison Control Center and the Centre National d'Informations Toxicologiques Vétérinaires: anecdotes or reality ? » (1992) *Veterinary and human Toxicology* 34: 26-32

Projects

Current ongoing project on detection of residues of antibiotics and antiparasitic drugs in non-target vertebrate fauna living near farms (conventional and organic) (supported by a grant from the Ministry of Agriculture)

COST actions

- European Raptor Biomonitoring Facility (ERBF) #CA16224 (2018-2022) with 2 international publications and a short term

scientific mission

- SafeGameMeat (#CA22166) 2024-2027 in the working group (WP3) on chemical contaminants in game meat (PB, pesticides, drugs)
- ENVIRANT (#CA23154) 2024-2028 WG 1 and 5 on environmental impact of anthelmintics in livestock and alternatives to minimize their use

Memberships

Full-member of the Society for Environmental Toxicology and Applied Chemistry and of the Wildlife Disease Association (treasurer of the European section)

Keynote presentation at the first conference of COST Action 22166 on residues of drugs and pesticides in game meat (Porto, May 2025)

- BERNY P., DELHADJ D., ESPAÑA B., AURE J., CADO J., LECU A. Isoxazoline parasiticides : should we worry about their environmental impact ? Affiche, SETAC Dublin 3-5 Mai 2023

- Sharp R. et al. : Revision of EFSA guidance document for bird and mammal risk assessment. SETAC Copenhagen, May 2022 13-17

- collectif Wildlife Toxicology Interest Group Molecular and Pathways approaches, non-standard endpoints and statistical modeling and read-across methods for 21st century wildlife risk assessment. SETAC US November 2021 (online)

- collectif Wildlife Toxicology Interest Group : Protecting terrestrial wildlife in the 21st Century : are current toxicity testing protocols and animal models the best we can do ? SETAC US November 2021 (online)

- Berny P., Cardoso O., Coeurdassier M., Chollet J.Y., Decors A., Faure E., Kammerer M. Monitoring of non-target poisoning in animals with pesticides and rodenticides: implementation of a nation-wide system in France. Vertebrate Pest Conference, Santa Barbara March 2-7, 2020

- BERNY P., MAS E., VEY D. Embedded-lead shots as a potential source of lead exposure in birds of prey. Society of Environmental Toxicology and Chemistry, European Section, Brussels May 7-11, 2017

- BERNY P., MALLET G., GRANDMONTAGNE C., ADAMCZYCK E., LEMAIRE L., QUEFFELEC S. Anticoagulant poisoning of non-target species: have things changed after implementation of the Biocidal Products ? A French survey. European Vertebrate Pest Conference, Sevilla 21-25 Septembre 2015

- BERNY P. Monitoring unintentional effects of plant protection products and other environmental contaminants on non-target species: how can we manage ? European Association for Veterinary Pharmacology and Toxicology, Nantes 19-22 Juillet 2015

- BERNY P. Risk mitigation in food facilities : the role of the pest management professionnal. CEPA-NMPA joint meeting, Antibes 5-6 Juin 2015 (invited speaker)

- BERNY P., FOUREL I., LATTARD V. « Anticoagulant résistance and residues in

Norway rats in France » Vertebrate Pest Conference, Hawaiï, 3-9 Mars 2014 (oral communication)

- BERNY P., FOUREL I., LATTARD I., VOURCH' G., COSSON J.F. « Anticoagulant résistance in Norway rats in an urban park in Paris : influence of anticoagulant exposure » 9th European Vertebrate Pest Management Conference, Turku (FI), Septembre 21-25, 2013 (oral communication)

- BERNY P., FOUREL I., DEFRANCE I., LATTARD V. « Can second-generation anticoagulant rodenticides increase the frequency of résistant animals in natural populations of Norway rats ? » 9th European Vertebrate Pest Management Conference, Turku (FI), Septembre 21-25, 2013 (oral communication)

- BERNY P., VEIN J., VEY D. « Post-registration wildlife incident monitoring schemes can be used to evaluate management decision for pesticides » Society of Environmental Toxicology and Applied Chemistry North America, Long-Beach (CA-USA), November 11-16, 2013 (oral communication)

- BERNY P., VEIN J., VEY D., FOUREL I. « Bioaccumulation of bromadiolone and chlorophacinone in anticoagulant-resistant rat strains » Society of Environmental Toxicology and Applied Chemistry, Berlin, 12-15 May, 2012 (poster)

- BERNY P. « Toxicity of mixtures for wildlife » Wildlife Disease Association, Lyon 23-28 July, 2012 (invited speaker)

- VEIN J., BERNY P., VEY D. « Bioaccumulation of chlorophacinone in susceptible and résistant rat strains. Conférence au VIII European Vertebrate Pest Management Conference, Berlin 26-30 Septembre 2011.

- BERNY P., MASTAIN O., VEIN J. « Is banning of pesticides effective in reducing the number of pesticide poisoning incidents in wildlife ? » conférence à la Wildlife Disease Association, Québec 15-19 Août 2011

- HODROGE A., BENOIT E., LASSEUR R., BERNY P., LATTARD V. « Practical consequences and management of AVK-resistant strains of Norway rats in agriculture. » conference Pacifichem 2010 (American Chemical Society), Honolulu 15-20 December 2010.

- SAGE M., FOUREL I., CŒURDASSIER M., GIRAUDOUX P., BERNY P. « Monitoring red fox exposure to AVK in fecal samples in Relationship in toxicological evaluation », conférence Pacifichem 2010 (American Chemical Society), Honolulu 15-20 December 2010.

- BERNY P. « Wildlife toxicology » conférence invitée au congrès de la European Wildlife Disease Association, Vlieland (NL) Septembre 13-17 2010

- MASTAIN O., ERAUD C., MAILLARD JF., TAYALAI G., BERNY P. « Chlordecone contamination of wild birds in Martinique (France) poster au congrès Européen SETAC, Séville Mai 2010

- DECORS A., BERNY P., DUNOYER C., MOINET M., POULSEN V., MASTAIN O. « The SAGIR network in France : a 40-year toxicovigilance schème in the field » poster au congrès Européen SETAC, Séville Mai 2010

- GREZEL D., LASSEUR R., SERRE S., BERARD M., BERNY P. « Seroprevalence of rat infections in wild animals caught in urban areas » conférence 7th European vertebrate Pest Management Conference, Lyon, septembre 8-12, 2009
- VEIN J., LEBLOND A., MONTEIRO K., KODJO A., BERNY P. « Role of the Nutria in the epidemiology of the leptospirosis in two wetlands of the East of France ». conférence 7th European vertebrate Pest Management Conference, Lyon, septembre 8-12, 2009
- VEIN J., LEBLOND A., MONTEIRO K., KODJO A., BERNY P. « Role of the Nutria in the epidemiology of the leptospirosis in two wetlands of the East of France ». conférence International Leptospirosis Society Conference, Kochi, India, septembre 21-24, 2009
- BERNY P. « Les zoonoses transmises par les rongeurs » Parasitech, Paris 2-6 Novembre 2008
- BERNY P., HUGNET C., FOUREL I., GOY-THOLLOT I. « Anticoagulant poisoning in companion animals : detection of AVK in plasma samples » poster au European Congress of Veterinary Internal Medicine, Amsterdam, 6-9 Septembre 2008
- VEIN J., GRANDEMANGE A., LASSEUR R., BENOIT E., BERNY P. « The resistance of rodents to anticoagulants : what about water voles (*Arvicola terrestris*) after field treatment ? » conférence au VIth European Vertebrate Pest Management Conference, Reading, UK 15-19 Septembre 2007
- SAGE M., CŒURDASSIER M., FOUREL I., BARRAT J., BERNY P., GIRAUDOUX P. « Recent finding in the development of non-invasive method to monitor wildlife exposure to bromadiolone » Conférence au 234^{ème} congrès de l'American Chemical Society, Boston, USA, 18-23 Août 2007
- BERNY P. « Unexpected mortalities in wild birds after the Avian Influenza crisis in 2006 in France » Wildlife Disease Association, Estes Park CO, USA, 12-17 Août 2007 (communication orale)
- BERNY P., LASSEUR R., LONGIN-SAUVAGEON C., BENOIT E. « Rodent resistance to anticoagulants and potential toxicological impacts on non-target species » poster à l'International Congress of Toxicology, Montréal, Canada, 15-19 Juillet 2007
- BERNY P. SAGE M. « Poisoning with anticoagulants in France » Workshop à la Society for Environmental Toxicology and Applied Chemistry, Montréal, 7-11 Novembre 2006 (conférence invitée).
- BERNY P. « utilisation des anticoagulants pour la lutte contre les rongeurs en France : du meilleur au pire ». XXIX colloque de la Société Française pour la Protection des Mammifères, Lyon 20-22 Septembre 2006 (Conférence invitée).
- BERNY P. « Animal poisoning in Western Europe : common and unique features to the EU » American Association of Veterinary Laboratory Diagnosticians (joint meeting with the American Association of Veterinary Toxicology), Minneapolis, 11-16 Octobre 2006 (conférence invitée)

- BERNY P., LASSEUR R., LONGIN-SAUVAGEON C., VIDEMANN B., BENOIT E. « Warfarin resistance of rats in France » European Association of Veterinary Pharmacology and Toxicology, Turin, 17-22 Septembre 2006 (communication orale)
- BERNY P., GOURREAU J.M., PAYOT P. « Does heavy traffic in alpine ecosystems result in exposure of chamois (*Rupicapra rupicapra*) to pollutants ? International Union of Game Biologists – Hannover (D) 28 Août – 2 Septembre 2005 (communication orale).
- BERNY P. « Use of anticoagulants and wildlife poisoning : from the best to the worst ». World congress of the Wildlife Disease Association, Cairns (AUS), 25 juin-1^{er} Juillet 2005 (communication orale)
- M. SAGE, M. CŒURDASSIER, E. LUCOT, R. DEFAUT, B. BARBIER, D. RIEFFEL, P. BERNY & P. GIRAUDOUX. « Persistence of bromadiolone in wheat baits : environmental variability during and after control of *Arvicola terrestris* populations » Society for Environmental Toxicology and Applied Chemistry – Europe, Lille 21-24 mai 2005 (communication orale)
- BERNY P., GOURREAU J.M., PAYOT P. « Premiers résultats de l'étude sur la pollution des cervidés en vallée de Chamonix » Congrès du Groupe d'Etudes et d'Ecopathologie de la Faune Sauvage de Montagne, Sampeyre, 9-11 Juin 2003 (communication orale).
- BERNY P., MANGIN A., PINEAU X. « Lead exposure : dogs as indicators of pollution ? » Congrès à l'European Association of Veterinary Pharmacology and Toxicology, Lisbonne 13-18 Juillet 2003 (communication orale).
- LECŒUR S., GILLET C., BERNY P. “Suivi des pollutions des bassins versants du Léman : utilisation d’organismes sentinelles.” Colloque International sur l’Eau en Montagne, Megève 4-6 Septembre 2002 (communication orale)
- BERNY P. “Toxicovigilance of pesticides in wildlife : experience of the SAGIR network in France” 27th World Veterinary Congress, Tunis September 25th-29th 2002 (Oral communication)
- BERNY P. : “From animal poisoning to residues in food.” International Congress of Toxicology (ICT) X, Brisbane, Australia, July 8-12, 2001 Poster
- BERNY P. : “Clinical Toxicology : when analysis points out circumstances of poisoning.” Oral communication at the International Symposium of Veterinary Laboratory Diagnosticians, Salso Maggiore, Italy, July 3-6, 2001 (Conférencier invité)
- BERTINI S., FERREIRO S., BERNY P. : “A new improved high performance thin layer chromatography method (HPTLC) for the detection of ionophore antibiotics in feeds and animal tissues.” Poster at the International Symposium of Veterinary Laboratory Diagnosticians, Salso Maggiore, Italy, July 3-6, 2001
- BERNY P. “Homologation des produits phytosanitaires : une évolution constante” Communication orale Groupement Interprofessionnel des Semenciers, Paris 4-5 Avril 2001.
- BERNY P., BURONFOSSE F., PINEAU X.: Intérêt du laboratoire lors

d'intoxication par les antivitamine K. , Congrès annuel de la Société de Toxicologie Clinique, Liège, 11-12 Décembre 2000, Poster

- BERNY P., BURONFOSSE F : Bromadiolone residues in food : from myths to reality, Congrès annuel de la Société de Toxicologie Clinique, Liège, 11-12 Décembre 2000, Poster

- HUGUET X., BERNY P., BURONFOSSE F., PINEAU X., LORGUE G. "Anticoagulant rodenticide poisoning in animals : about bromadiolone in France" Poster at the European association of Poison Control Centers, Dublin, June 16-20, 1999

- BERNY P., CHAPUIS JL. « Effets des anticoagulants sur les espèces non-cibles : à propos de la restauration des Kerguelen » Oral communication at the Joint meeting Analytical toxicology society and clinical toxicology society, Angers, december 9-10, 1999

- BERNY P., SINARDET J., VEY D. « Mise en évidence des inhibiteurs des cholinestérasés dans les échantillons biologiques : de la clinique à l'analytique. » Poster au Congrès mixte de la Société de Toxicologie Clinique, Société Française de Toxicologie Analytique, Angers, 9-10 Décembre 1999.

- BERNY P., LAMARQUE F., BURONFOSSE F., BURONFOSSE T., LORGUE G « Pesticide poisoning in raptors in France : results from the SAGIR network », Union Internationale des Biologistes du Gibier, Lyon 2-6 Septembre 1997 oral communication

- BERNY P., VIALLET S., BURONFOSSE F., LORGUE G. « Availability of vitamin K1 by the rectal route in the dog for the emergency treatment of anticoagulant poisoning in dogs » poster European Association of Veterinary Pharmacology and Toxicology, Madrid 6-10 Juillet 1997

- BERNY P., LAMARQUE F., BURONFOSSE F., BURONFOSSE T. « Evaluation of acute pesticide poisoning of wildlife in France : a unique surveillance system » Communication orale European Association of Veterinary Pharmacology and Toxicology, Madrid 6-10 Juillet 1997

-LAMARQUE F, BERNY P. « Impact of some pesticides on wildlife health » Congrès Union Internationale des Biologistes du Gibier (Varsovie, 12-16 Octobre 1996) oral communication

-BERNY P. « HPTLC in toxicological analyses » Oral communication, VIII International Symposium of the Veterinary Laboratory Diagnosticians, 3-9 Août 1996, Jérusalem

-BERNY P., COTE LM., BUCK WB. « Dogs as monitors of environmental lead exposure to humans » VII International Congress of Toxicology, 3-9 Juillet 1995, Seattle

-BERNY P., PINEAU X., BURONFOSSE F., LORGUE G. « La perméthrine, un toxique méconnu chez le chat » oral communication at the annual meeting of the Société Française de Toxicologie Clinique, September 25th, 1994, Paris

Other Relevant Information

Member of the European Food Safety Authority Pesticide and Plant Residue Panel (2015-2024) - as a member I was

involved in several environmental risk assessment working groups (scientific opinion on amphibians and reptiles, scientific opinion on bats to discuss the coverage of these species by the current birds and mammals guidance document), revision of the Birds and Mammals Guidance document (2023).

Member of the working group on veterinary drugs from Anses-ANMV (2015-ongoing)

Member of expert committee on pesticides at Anses (2006-ongoing)