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Née le 2 juillet 1963

Nationalités allemande et française

Mariée, deux enfants

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Titres et diplômes

Habilitation à diriger des recherches (HDR), Université Lyon 1 (2011)

Doctorat de l'Université Lyon 1; mention « très honorable avec félicitations du jury » (2008)

Qualification de médecin spécialiste en Oncologie médicale (1995)

Docteur en Médecine, Faculté de Médecine, Université Heinrich Heine, Düsseldorf, Allemagne (1989)

Fonctions actuelles

Praticien spécialiste de Centre de Lutte Contre le Cancer, Centre Léon Bérard, Lyon (depuis 1999)

Coordnatrice Département Prévention Cancer Environnement, Centre Léon Bérard, Lyon (depuis 2015)

Professeur associé, UFR de médecine, Université Claude Bernard Lyon 1 (depuis 2012)

Directrice adjointe de l'UA 08 Inserm Radiations, Défense, Santé et Environnement (depuis 2019)

Situations professionnelles antérieures

Directrice adjointe du programme « Standards, Options et Recommandations » (SOR) de la FNCLCC : Direction scientifique du programme SOR ; Membre du Comité de Direction de la FNCLCC (1999–2008)

Membre de l'équipe « Signalisation des hormones stéroïdes et cancer du sein », Centre de Recherche de Cancérologie de Lyon, UMR Inserm 1052-CNRS 5286

Membre du laboratoire 'Santé-Individu-Société' EAM4128, UCBL (2006-2015)

Médecin coordonnateur du programme SOR, FNCLCC, Paris (1996-1999)

Résident étranger (1992 – 1994), Médecin contractuel, Centre Léon Bérard, Lyon (1994-1996)

Arzt im Praktikum, Oncologie médicale, Hôpital Bergisch Land, Wuppertal, Allemagne (1990-1992)

Autres fonctions et responsabilités

Membre du Comité éthique (Institutional Ethics committee) du Centre International de la Recherche sur le Cancer, Lyon (CIRC) (depuis 2010) ; Past-President (2014-2018).

Membre Comité de Pilotage de l'Institut Universitaire de Prévention (PRESAGE) de l'Université de Lyon

Membre du Comité de Pilotage Scientifique du Cancéropôle Lyon Auvergne Rhône-Alpes, CLARA (depuis 2011), Coordinatrice axe Prévention et innovations sociales ; Responsable thématique « Environnement et Cancer »

Chaire d'excellence « Environnement, Nutrition et Cancer » du Cancéropôle CLARA et Merck Serono (2010-2017)

Membre du Conseil Scientifique, Ecole Doctorale Interdisciplinaire Sciences-Santé (EDISS), UCBLyon 1

Membre Expertise collective Inserm « Activité physique - Prévention et traitement des maladies chroniques »

Membre Groupe de travail 'Cancer et Société', INCa

Membre Commission Cancer et environnement de la Ligue nationale contre le cancer

Membre Conseil Scientifique chargé du suivi des études Riverains de cultures, pesticides et cancer de l'Agence Santé publique France

International Advisor, LIFEPAth Life-course biological pathways underlying social differences in healthy ageing, H2020-PHC-2014

Section-Editor, 'Occupational Safety and Health' International Journal of Environmental Research and Public Health

Membre de l'ERA NET ENVHEALTH (FP7)

Membre de l'American Society of Clinical Oncology (ASCO)

External advisor, NHS evidence, National Institute for Health and Clinical excellence (NICE), UK

Publications 2014-2019

<https://www.ncbi.nlm.nih.gov/gate2.inist.fr/pubmed/?term=fervers+b> Index h 32 ; Indice i10 : 71; Score SIGAPS: 1367

1. Coudon T, Salizzoni P, Praud D, Danjou A, Dossus L, Faure E, **Fervers B**. A national inventory of historical dioxin air emissions sources in France. *Atmospheric Environment* 2019 <https://doi.org/10.1016/j.apr.2019.02.004> [in press]
2. Delrieu L, Pialoux V, Pérol O, Morelle M, Martin A, Friedenreich C, Febvey-Combes O, Pérol D, Belladame E, Cléménçon M, Roitmann E, Dufresne A, Bachelot T, Heudel P-E, Touillaud M, Trédan O, **Fervers B**. Feasibility and health benefits of an individualized physical activity intervention in women with metastatic breast cancer: results of the ABLE single-arm Trial study. *JMIR Cancer* [under revision]
3. Perrier L, Foucaut AM, Morelle M, Touillaud M, Kempf-Lépine AS, Heinz D, Gomez F, Meyrand R, Baudinet C, Berthouze S, Reynes E, Carretier J, Guillemaut S, Pérol D, Trédan O, Philip T, Bachmann P, **Fervers B**. Cost-effectiveness of an exercise and nutritional intervention versus usual nutritional care during adjuvant treatment for localized breast cancer: the PASAPAS randomized controlled trial. *Support Care Cancer*. 2019 Nov 15. doi: 10.1007/s00520-019-05078-4.
4. Mancini FR, Praud D, **Fervers B**, Boutron-Ruault MC. Estimation of the dietary exposure to chemical compounds in the French E3N prospective cohort: a study protocol. *Food Addit Contam Part A Chem Anal Control Expo Risk Assess*. 2019 Oct 16:1-9.
5. Falette N, **Fervers B**, Carretier J. Cancers and environmental exposures: Between uncertainties and certainties. *Bull Cancer*. 2019 Nov;106(11):975-982.
6. Delrieu L, Vallance JK, Morelle M, **Fervers B**, Pialoux V, Friedenreich C, Dufresne A, Bachelot T, Heudel P-E, Trédan O, Pérol O, Touillaud M. Physical activity preferences before and after participation in a six-month physical activity intervention among women with metastatic breast cancer. *Eur J Cancer Care (Engl)*. 2019 Sep 30:e13169.
7. Lamort-Bouché M, Péron J, Broc G, Kochan A, Jordan C, Letrilliart L, Fervers B, Fassier JB; FASTRACS Group. Breast cancer specialists' perspective on their role in their patients' return to work: A qualitative study. *Scand J Work Environ Health*. 2019 Aug 21.
8. Béranger R, Billoir E, Nuckols JR, Blain J, Combourieu B, Philip T, Schüz J, **Fervers B**. Agricultural and domestic pesticides in housedust of French households. *Environ Sci Pollut Res Int*. 2019 Jul;26(19):19632-19645.
9. Havet N, Penot A, Plantier A, Morelle M, **Fervers B**, Charbotel B. Trends in control strategies for occupational exposure to carcinogenic, mutagenic, and reprotoxic chemicals in France. *Ann Work Expo Health*. 2019 May 21;63(5):488-504.
10. Amadou A, Praud D, Coudon T, Danjou A, Faure E, Leffondré K, Leveque E, Le Romancer M, Severi G, Salizzoni P, Mancini FR, **Fervers B**. Chronic long-term exposure to cadmium air pollution and breast cancer risk in the French E3N cohort. *Int J Cancer*. 2019 Mar 9. [Epub ahead of print]
11. Ratajczak R, Crispim-Junior CF, Faure E, Fervers B, Tougne L. Automatic Land Cover Reconstruction From Historical Aerial Images: An Evaluation of Features Extraction and Classification Algorithms. *IEEE Trans Image Process*. 2019 Jul;28(7):3357-3371. Epub 2019 Jan 31.
12. Coudon T, Danjou A, Faure E, Praud D, Mancini FR, Severi G, Salizzoni P, **Fervers B**. Development and performance evaluation of a GIS-based metric to assess exposure to airborne pollutant from industrial sources. *Environ Health*. 2019 Jan 25;18(1):8.
13. Danjou A, Coudon T, Praud D, Lévêque E, Faure E, Salizzoni P, Le Romancer M, Severi G, Leffondré K, Dossus L, **Fervers B**. Airborne Dioxin Exposure and Breast Cancer Risk in a case-control study nested within the French E3N Prospective Cohort: a GIS-based approach. *Environment International* 2019 Jan 15;124:236-248.
14. Deneuve S, Charbotel B, Massardier-Pilonchéry A, Fort E, Milliet-Baude C, Pérol O, Fayette J, **Fervers B**, Zrounba P. Systematic screening for occupations and occupational exposures in head and neck squamous cell carcinoma patients: a French cohort. *Eur Arch Otorhinolaryngol*. 2019 Jan 3. [Epub ahead of print]
15. Foucaut A-M, Morelle M, Kempf-Lépine A-S, Baudinet C, Meyrand R, Guillemaut S, Metzger S, Bourne-Branchu V, Grinand E, Chabaud S, Pérol D, Carretier J, Berthouze S, Reynes E, Perrier L, Rebattu P, Heudel P-E, Bachelot T, Bachmann P, **Fervers B**, Trédan O, Touillaud M. Feasibility of an exercise and nutritional intervention for weight management during adjuvant treatment for localized breast cancer: the PASAPAS randomized controlled trial. *Supportive Care in Cancer* 2019 Jan 24. doi: 10.1007/s00520-019-4658-y. [Epub ahead of print]
16. Havet N, Penot A, Plantier A, Morelle M, **Fervers B**, Charbotel B. Trends in control strategies for occupational exposure to carcinogenic, mutagenic, and reprotoxic chemicals in France. *Annals of Work Exposures and Health* [accepted]
17. Marant Micallef C, Shield KD, Vignat J, Baldi I, Charbotel B, **Fervers B**, Gilg Soit Ilg A, Guénel P, Olsson A, Rushton L, Hutchings SJ, Cléro E, Laurier D, Scanff P, Bray F, Straif K, Soerjomataram I. Cancers in France in 2015 attributable to occupational exposures. *Int J Hyg Environ Health*. 2019 Jan;222(1):22-29.

18. Delrieu L, Pérol O, **Fervers B**, Friedenreich C, Vallance J, Febvey-Combes O, Pérol D, Canada B, Roitmann E, Dufresne A, Bachelot T, Heudel P-E, Tredan O, Touillaud M, Pialoux V. A Personalized Physical Activity Program With Activity Trackers and a Mobile Phone App for Patients With Metastatic Breast Cancer: Protocol for a Single-Arm Feasibility Trial. *JMIR Res Protoc* 2018;7:e10487.
19. Fassier JB, Lamort-Bouché M, Broc G, Guittard L, Peron J, Rouat S, Carretier J, **Fervers B**, Letrilliart L, Sarnin P. Developing a return to work intervention after breast cancer with the Intervention Mapping protocol: challenges and opportunities of the needs assessment. *Frontiers in Public Health* *Front Public Health*. 2018 Feb 23;6:35.
20. Havet N, Penot A, Perrier L, Charbotel B, Morelle M, **Fervers B**. Inequalities in the control of the occupational exposure in France to carcinogenic, mutagenic, and reprotoxic chemicals. *Eur J Public Health* 2018 Jul 27. doi: 10.1093/eurpub/cky130. [Epub ahead of print]
21. Marant Micallef C, Shield KD, Baldi I, Charbotel B, Guenel P, Gilg Soit Ilg A, **Fervers B**, Olson A, Rushton L, Hutching S, Straif K, Soertjomatara I. A review of cancer risks associated to occupational exposures: a framework to estimate the fraction of cancers attributable to occupational exposures. *Occup Environ Med*. 2018 *Occup Environ Med*. 2018 Aug;75(8):604-614. doi: 10.1136/oemed-2017-104858. Epub 2018 May 7
22. Olsson A, Togawa K, Schüz J, Le Cornet C, **Fervers B**, Oksbjerg Dalton S, Pukkala E, Feychting M, Erik Skakkebæk NE, Hansen J. Parental occupational exposure to solvents and heavy metals and risk of developing testicular germ cell tumors in sons (NORD-TEST Denmark). *Scand J Work Environ Health* 2018 Jun 7. pii: 3732. doi: 10.5271/sjweh.3732. [Epub ahead of print]
23. Perol O, Charbotel B, Perrier L, Bonnand S, Belladame E, Avrillon V, Rebattu P, Laudriant G, Perol M, **Fervers B**. Prospective cohort study to assess systematically occupational exposures among lung cancer patients and cost of this process. *Int J Environ Res Public Health*. 2018 Jan 4;15(1). pii: E65. doi: 10.3390/ijerph15010065.
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27. Faure E, Danjou AMN, Carretero C, Boutron-Ruault MC, Clavel-Chapelon F, Dossus L, **Fervers B**. Accuracy of two geocoding methods for Geographical Information System based exposure assessment in epidemiological studies. *Environ Health*. 2017 Feb 24;16(1):15
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29. Havet N, Penot A, Morelle M, Perrier L, Charbotel C, **Fervers B**. Inequalities in exposure to carcinogenic, mutagenic and reprotoxic chemicals in occupational settings in France. *Int Arch Occup Environ Health*. 2017 Feb;90(2):227-241.
30. Le Cornet C, **Fervers B**, Oksbjerg Dalton S, Feychting M, Pukkala E, Tynes T, Hansen J, Nordby KC, Kauppinen T, Uuksulainen S, Wiebert P, Woldbæk T, Skakkebæk NE, Olsson A, Schüz J. Testicular germ cell tumours and parental, occupational exposure to solvents: a register-based case-control study in the Nordic countries (NORD-TEST study). *Environ Health Perspect*. 2017 Jun 30;125(6):067023. doi: 10.1289/EHP864.
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32. Carretier J, Ducos-Mieral C, Bousson F, Baret Rouanet V, Falette N, **Fervers B**. Former les élu(e)s territoriaux à la santé-environnement : une action pilote en région Rhône-Alpes . *Environnement Risques et Santé*. 2016 Mars-Avril ; 15 (2) : 135-52.
33. Carretier J, Boyle H, Duval S, Philip T, Laurence V, Stark DP, Berger C, Marec-Bérard P, **Fervers B**. A Review of Health Behaviors in Childhood and Adolescent Cancer Survivors: Toward Prevention of Second Primary Cancer. *J Adolesc Young Adult Oncol*. 2016 Jun;5(2):78-90.
34. Brouwers MC, Kerkvliet K, Spithoff K; **AGREE Next Steps Consortium**. The AGREE. Reporting Checklist: a tool to improve reporting of clinical practice guidelines. *BMJ*. 2016 Mar 8;352:i1152..
35. Togawa K, Le Cornet C, Feychting M, Tynes T, Pukkala E, Hansen J, Olsson A, Oksbjerg Dalton S, Nordby KC, Uuksulainen S, Wiebert P, Woldbæk T, Skakkebæk NE, **Fervers B**, Schüz J. Parental occupational exposure to heavy metals and welding fumes and risk of testicular germ cell tumors in offspring: a registry-based case-control study. *Cancer Epidemiol Biomarkers Prev*. 2016 Oct; 25(10):1426-1434.

36. Perrier L, Nechba A, Perol O, Perol M, Fayette J, Rebattu P, Bonnand S, Philip T, Charbotel B, **Fervers B**. Cost of Questionnaire-Based Process to Identify Occupational Exposures Among Patients with Lung Cancer. *Value Health*. 2015 Nov;18(7):A485. doi: 10.1016/j.jval.2015.09.1327. Epub 2015 Oct 20.
37. Le Cornet C, **Fervers B**, Oksbjerg Dalton S, Feychting M, Pukkala E, Tynes T, Hansen J, Nordby KC, Béranger R, Kauppinen T, Uuksulainen S, Wiebert P, Woldbæk T, Skakkebak NE, Olsson A, Schüz J. Testicular germ cell tumours and parental, occupational exposure to pesticides: a register-based case-control study in the Nordic countries (NORD-TEST study). *Occup Environ Med*. 2015 Nov;72(11):805-11.
38. Danjou A, **Fervers B**, Boutron-Ruault MC, Philip T, Clavel-Chapelon F, Dossus L. Dietary Dioxin Exposure and Breast Cancer Risk among Women from the French E3N Prospective Cohort. *Breast Cancer Res*. 2015 17;17(1):39.
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41. Foucaut A-M, Berthouze SE, Touillaud M, Morelle M, Bourne-Branchu V, Kempf-Lépine A-S, Carretier J, Trédan O, Bachmann P, **Fervers B**. Deterioration of physical fitness from the diagnosis of breast cancer: an increasing risk factor of co-morbidities at the beginning of chemotherapy. *Cancer Nurs*. 2015 ;38(4):E1-9.
42. Binachon B, Dossus L, Danjou AM, Clavel-Chapelon F, **Fervers B**. Life in urban areas and breast cancer risk in the French E3N cohort. *Eur J Epidemiol*. 2014 Oct;29(10):743-51.
43. Béranger R, Pérol O, Bujan L, Faure E, Blain J, Cornet CL, Flechon A, Charbotel B, Philip T, Schüz J, **Fervers B**. Studying the impact of early life exposures to pesticides on the risk of testicular germ cell tumors during adulthood (TESTIS project): study protocol. *BMC Cancer*. 2014 Aug 4;14:563.
44. Béranger R, Blain J, Baudinet C, Faure E, Fléchon A, Boyle H, Chasles V, Charbotel B, Schüz J, **Fervers B**. [Testicular germ cell tumours and early exposures to pesticides: The TESTEPERA pilot study]. *Bull Cancer*. 2014 Mar;101(3):225-35.
45. Charbotel B, **Fervers B**, Droz JP. Occupational risk factors in rare cancer: a critical review of the literature. *Critical reviews in hematology/oncology* 2014 May;90(2):99-134.
46. Dossus L, Boutron-Ruault MC, Kaaks R, Gram IT, Vilier A, **Fervers B**, et al Manjer J, Tjonneland A, Olsen A, Overvad K, Chang-Claude J, Boeing H, Steffen A, Trichopoulou A, Lagiou P, Sarantopoulou M, Palli D, Berrino F, Tumino R, Vineis P, Mattiello A, Bueno-de-Mesquita HB, van Duijnhoven FJB, Bakker MF, Peeters PH, Weiderpass E, Bjerkass E, Braaten T, Menéndez V, Agudo A, Sanchez MJ, Amiano P, Tormo MJ, Barricarte A, Butt S, Khaw KT, Wareham N, Key TJ, Travis RC, Rinaldi S, McCormack V, Romieu I, Cox DG, Norat T, Riboli E, Clavel-Chapelon F. Active and passive smoking and risk of breast cancer in EPIC. *Int J Cancer* 2014 Apr 15;134(8):1871-88.
47. Foucaut AM, Berthouze-Aranda SE, Touillaud M., Kempf-Lépine AS., Baudinet C, Meyrand R, Carretier J, Bachmann P, **Fervers B**. Reduction of Health Risk Factors through an Adapted Physical Activity program in patients with Breast Cancer. *Support Care Cancer*. 2014 Apr;22(4):1097-104.
48. Le Cornet C, Lortet-Tieulent J, Forman D, Béranger R, Flechon A, **Fervers B**, Schüz J, Bray F. Testicular cancer incidence to rise by 25% by 2025 in Europe? Model-based predictions in 40 countries using population-based registry data. *Eur J Cancer* 2014 Mar;50(4):831-9.
49. Makarski J, Brouwers MC; **AGREE Enterprise**. The AGREE Enterprise: a decade of advancing clinical practice guidelines. *Implement Sci*. 2014 Aug 15;9:103. doi:10.1186/s13012-014-0103-2.