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Claudine BACKES, PhD

10+ years of experience in public health, clinics, and epidemiology. Focusing on the enhancement of collaborations between innovation, academia, and regulators to ensure optimal health care for all.

Professional Experiences

- Since 11/2021 **Scientific Director**
National Cancer Registry of Luxembourg (RNC)
Luxembourg Institute of Health (LIH), Luxembourg
- President of the RNC Scientific Committee
 - Main contact for national and international cancer epidemiology network (including clinicians, hospitals, national foundations, institutions, and associations)
 - Active expert at *the Plan National Cancer 2 (PNC2)*
- Since 11/2019 **Head of the Cancer Epidemiology & Prevention Group (EPI CAN)**
Public Health Expertise (PHE) Unit
Department of Precision Health (DoPH)
Luxembourg Institute of Health (LIH), Luxembourg
- Principal Investigator for first RNC research project: RELIANCE: Real-life cancer epidemiology
 - Flagship coordinator on Prevention & Care at the National Center for Translational Cancer Research (NCTCR)
 - Principal Investigator for Luxembourg – EU Innovative Medicine Initiative 2 – “EHDEN: European Health Data & Evidence Network”
- Since 07/2019 **Scientist**
Center for Primary Care and Public Health (Unisanté), University of Lausanne, Switzerland
Institute of Pharmaceutical Sciences of Western Switzerland, University of Geneva, Switzerland
- 01/2019 – 07/2019 **Postdoctoral Research Fellow,**
Department of Environment, Climate Change and Health
World Health Organization (WHO), Geneva, Switzerland
Project: “WHO/ILO Joint Estimates on Work-related Burden of Disease and Injury”
- Estimating global burden of disease in joint methodology between WHO and the International Labour Organization (ILO)
- 05/2015 - 12/2018 **Researcher, Pharmacist and Teaching coordinator**
Polyclinique Médical Universitaire (PMU), Lausanne
University of Geneva, Geneva, Switzerland
- Supervising award-winning master theses and courses on eHealth/mHealth
 - Providing scientific expertise on medication adherence innovations
 - Coordinating a novel Certificate of Advance Science (CAS) in clinical pharmacy
- 11/2014 - 09/2018 **Research collaborator/ PhD candidate**
Institute for Work and Health (IST) & Institute of Social and Preventive Medicine (IUMSP), University Hospital Lausanne, Lausanne, Switzerland
- 01/2014 - 10/2014 **Manager of Training and Education, Head of Department**
Department of Programs and Education
Parenteral Drug Association Europe (PDA Europe), Berlin, Germany

- 11/2012 - 12/2013 **European Regulatory Affairs Assistant Manager**
Department of Science Policy and Regulatory Affairs
 European Federation of Pharmaceutical Industries and Associations (EFPIA), Brussels, Belgium
- 02/2010 - 03/2010 **Junior Scientist**
Department of pharmaceutical sciences, public health, and environmental risk assessment
 University Paris V (René Descartes), Paris, France
 Project: "Antibiotic use and asthma: relationship in early childhood (supervisor Prof. Isabelle Momas)"

Education

- 05/2015 - 02/2019 **PhD certificate in Public Health & Epidemiology**
 Swiss School of Public Health (SSPH+), Universities of Basel, Bern, Geneva, Lausanne, Lucerne, Neuchâtel, Svizzera Italiana and Zurich, Switzerland
- 01/2018 - 01/2019 **Certificate of Advanced Sciences (CAS) in Clinical Pharmacy**
 University of Geneva, Geneva, Switzerland
- 11/2014 - 09/2018 **PhD in Life Sciences**
 Faculty of Medicine and Biology, University of Lausanne, Lausanne, Switzerland
Thesis Title: "Solar UV modelling for skin cancer research"
- 01/2017 - 06/2017 **Entrepreneurship Training – Business Concept**
Innosuisse- Swiss Innovation Agency (former CTI Commission Technology and Innovation)
 Ecole Polytechnique Fédérale de Lausanne (EPFL) Innovation Park, Lausanne, Switzerland
 Award winning start-up: Clex – Biotech 3D Hydrogel
- 10/2012 **Registered Pharmacist** (Apothekerkammer Berlin, Germany)
- 04/2006 - 10/2012 **Pharmaceutical Sciences -Registered Pharmacist**
 Freie Universität Berlin (FU Berlin), Berlin, Germany
- 07/2003 - 01/2006 **Human Medical Sciences**
 Medizinische Universität Wien (MedUni Wien), Vienna, Austria

Grants (selection)

EU COST ACTION - CA21152 - Implementation Network Europe for Cancer Survivorship Care (INE-CSC) – European Cooperation in Science & Technology -> Total Grant: EUR 1,5 Mio

"RELIANCE: Real-life cancer epidemiology – Publication of cancer registry data for cancer control & prevention" Ministry of Health Luxembourg -> Total Grant: EUR 370 000

"EHDEN: European Health Data & Evidence Network" Funding received from the EU Innovative Medicine Initiative 2 (IMI29 Joint Undertaking (JU) grant agreement no 806986. -> Total Grant: EUR 70 000

„Residential and occupational exposure to UV radiation and haematological malignancies“ funded by the Swiss Cancer League KLS 4592-08-2018 -> Total Grant: CHF 336 250

"Solar UV modelling for skin cancer prevention" at the University of Lausanne, funded by the Swiss National Science Foundation (SNF), grant no. CR2313 152803. -> Total Grant: CHF 800 000

Memberships (selection):

- Management Committee European CAST Action CA21152 – Implementation Network Europe for Cancer Survivorship Care (INE-CSC)
- Council of Observers Member of the *Observatoire de la Santé* (ObSanté) Luxembourg
- FIP (International Pharmaceutical Federation)
- IEA (International Epidemiology Association)
- SSPH (Swiss Public Health School) Alumni
- ICOH (International Committee of Occupational Health)
- Founding member VLIB (the Luxembourgish students' club Berlin)

Publications (selection)

- Santos B, Blondon K, Van Gessel E, Cerutti B, **Backes C**, Locher S, Guignard B, Bonnabry P, Carpenter D, Schneider M-P. Patients' perceptions of conflicting information on chronic medications: a prospective survey in Switzerland. *BMJ Open*. 2022 Nov 3;12(11):e060083. doi: 10.1136/bmjopen-2021-060083.
- Backes C**, Moran V, Berchem G, Goncharenko N, Rauh S, Magalhaes C, Suhrcke M, Huiart L, Couffignal S, Vogin G, Untereiner M. Lessons learned from COVID-19 lockdown for cancer care: a nationwide survey of oncologists in Luxembourg. *Bull Soc Sci Med Grand Duché Luxemb*. 2020; 2:39-61.
- Backes C, Moran V, Mittelbronn M, Berchem G, Goncharenko N, Rauh S, Magalhaes C, Suhrcke M, Huiart L, Couffignal S, Vogin G, Untereiner M. Impact of COVID -19 on cancer diagnosis and treatments: nationwide data from Luxembourg. GRELL Ascension Meeting 12th – 14th May 2021 – Luxembourg (*oral presentation*)
- Backes C**, Moyano C, Rimaud C, Bienvenu C & Schneider, M. (2021). Digital Medication Adherence Support: Could Healthcare Providers Recommend Mobile Health Apps? *Frontiers in Medical Technology*. 10.3389/fmedt.2020.616242.
- Couffignal S, **Backes C**, Untereiner M. Le Registre National du Cancer (RNC). In *Rapport national du cancer au Grand-Duché de Luxembourg 2020*. Luxembourg: Ministère de la Santé – Direction de la Santé, 2021. p.179-182.
- Frank Pega, Susan L. Norris, **Claudine Backes**, Lisa A. Bero, et al., *RoB-SPEO: A tool for assessing risk of bias in studies estimating the prevalence of exposure to occupational risk factors from the WHO/ILO Joint Estimates of the Work-related Burden of Disease and Injury*, Environment International, Volume 135, 2020, 105039, ISSN 0160-4120, <https://doi.org/10.1016/j.envint.2019.105039>.
- Hélène Delorme, Julia Gonzalez Holguera , Nelly Niwa, **Claudine Backes**, Nicolas Senn, ;Cobénéfices de la promotion de la santé sur le réchauffement climatique - L'exemple de l'alimentation et de la mobilité, DOI: 10.53738/REVMED.2020.16.694.1049
- Religi, A. & **Backes, Claudine**, Chatelan, Angeline, Bulliard, Jean-Luc, Vuilleumier, Laurent, Moccozet, Laurent, Bochud, Murielle, Vernez, David. (2019). Estimation of exposure durations for vitamin D production and sunburn risk in Switzerland. *Journal of Exposure Science & Environmental Epidemiology*. 29. 10.1038/s41370-019-0137-2.
- Schneider, Marie & Jeanneret, Leila, Chevaux, Bernard, **Backes, Claudine**, Wagner, Anna, Bugnon, Olivier, Luthi, François, Locatelli, Isabella. (2019). A Novel Approach to Better Characterize Medication Adherence in Oral Anticancer Treatments. *Frontiers in Pharmacology*. 9. 10.3389/fphar.2018.01567.
- Berger J., Bourdin A., Pires F., **Backes C.**, Perraudin C., Bugnon O., 2019/06. Improving patient access to hepatitis C antiviral medicines in Switzerland: Understanding the financial risks for community pharmacies. *Journal of evaluation in clinical practice*, 25 (3) pp. 476-481.
- Backes, Claudine**, Religi, A., Moccozet, Laurent, Behar-Cohen, Francine, Vuilleumier, Laurent, Bulliard, Jean-Luc, Vernez, David. (2018). Sun exposure to the eyes: predicted UV protection effectiveness of various sunglasses. *Journal of Exposure Science & Environmental Epidemiology*. 29. 1. 10.1038/s41370-018-0087-0.
- Backes, Claudine**, Milon, Antoine, Koechlin, Alice, Vernez, David, Bulliard, Jean-Luc. (2017). Determinants of Sunburn and Sun Protection of Agricultural Workers During Occupational and Recreational Activities. *Journal of Occupational and Environmental Medicine*. 59. 1. 10.1097/JOM.0000000000001140.