

Florence Bodeau-Livinec

Research institute for Environmental and Occupational Health (IRSET)

Team « Lifecourse epidemiology and Exposure Science for Environmental Health (ELIXIR) »

[Axe](#) “Environmental exposures and maternal and child health in developing countries”

Department Quantitative Methods in Public Health (METIS)

Ecole des Hautes Etudes en Santé Publique (EHESP)

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Medical epidemiologist Perinatal and pediatric epidemiology

Education

- 2016 Ability to conduct researches (Habilitation à diriger des recherches HDR). University of Paris-V, France.
- 2008 PhD in epidemiology, Public Health. University of Paris-XI, School of Public Health, France
- 2004 MD with specialization in Public Health.
- 2004 MD. University of Paris-XI, School of Public Health, France
- 2002 MSc in epidemiology, University of Paris-XI, School of Public Health, France
- 2003 MSc in health economics – University of Paris-Dauphine, Economic School, France – with honors.
- 2000 Maîtrise de Sciences Sanitaires et Sociales – mention Santé Publique (MSSS), Université Paris-XI.
- 1992-1999 University of Rennes, Medical School, France.

Positions and employment

Current :

- 2010-Present, **Professor Ecole des Hautes Etudes en Santé Publique (EHESP)**, Department Quantitative Methods in Public Health.
- 2024-Present, **Adjunct Professor**, Department of Epidemiology, University of North Carolina.

Past :

- 2015-2024, **Deputy director** from the department Quantitative Methods in Public Health
- 2010-2015, Adjunct Assistant Professor, Division de Parasitologie Médicale, Département de microbiologie, New York University Medical Center, Etats-Unis
- 2007-2010, Instructor, Medical Parasitology Department, New York University School of Medicine; Responsible for the Advanced Epidemiology course in the Masters of Global Public Health, NYU
- 2007 Academic visitor at the Disease Prevention and Public Health Institute (Director: Pr David Savitz), Mount Sinai School of Medicine, New York, USA
- 2005-2007 Fellowship at INSERM, Unité 149 « Unité de recherches épidémiologiques en santé périnatale et santé des femmes » (Directeur: Pr G. Bréart), Paris, France.
- 2004-2005 Fellowship at the National Perinatal Epidemiology Unit at the University of Oxford, UK.

Award and scholarships

- 2007 Summer Institute in Reproductive and Perinatal Epidemiology Award, du Canadian Institute of Human Development, Child and Youth Health et du NICHD
- 2004 Henri Philippart Award: Award in epidemiology by GlaxoSmithKline and the francophone society of epidemiology
- 2004 Lavoisier scholarship, from the Ministry of Foreign Affairs, France
- 2004 Travel scholarship from the French Society of Perinatal Medicine, France.
- 2003 Scholarship from the Fondation for Medical Research, France.

Teaching

Between 80 and 120 hours face-to-face per year (lectures).

Program responsibilities at EHESP:

- 2020-present: head of the Master of Public Health year 2, program director (about 60 students per year). The MPH at EHESP is a program fully taught in English including students from about 30 different nationalities.
- 2018-2020: head of the MPH year 1 (about 30 students per year)

Main course responsibilities at EHESP :

- 2017-present : Methods in epidemiology, MPH Year 1. Lead course instructor.
- 2012-present : Perinatal and pediatric epidemiology, MPH Year 2. Lead course instructor.
- 2014-2016 : Global health, MPH Year 1. Lead course instructor.

Course responsibility at New York University : Advanced epidemiology in the Master's Program in Global Public Health de New York University (2007-2010). Lead course instructor.

Students supervision

Post-doctorant fellow

2024-2027 Katharine Barry. Neurocognitive development and mental health of MiPPAD adolescents exposed in utero to HIV in Mozambique

2023-2024 Amanda Garrison. Neurocognitive development and mental health of MiPPAD adolescents exposed in utero to HIV in Mozambique

PhD students

2023-2026 Romaric Hounsou. Pesticides in Benin : use and consequences on child's exposure at 6 and 13 years of age in Benin.

2020-2024 Roméo Zoumenou. Child's neurodevelopment in Benin.

2018- 2021 Amanda Garrison. Parasitic infections and neurodevelopment in Benin.

2017- 2020 Shukrullah Ahmadi. Lead exposure in childhood and development in Benin.

2012-2016 Michael Mireku. Risk factors for poor child psychomotor function in Benin.

2009-2012 Ghislain Koura. Consequences of maternal anemia on offspring in Benin.

Masters students

2022 Mélissa Cruz. MPH in epidemiology.

2022 Kieran Kleman. MPH in epidemiology.

2020 Aldiona Kerri. MPH in epidemiology.

2018 Amanda Garrison. MPH in epidemiology.

2017 Shukrullah Ahmadi. MPH in epidemiology.

2016 Laura Milne. MPH in epidemiology.

2015 Annaveera Seepanen. MPH in epidemiology.

2014 Simon Youssef. MPH in epidemiology.

2011 Elsie Mlinganiza MPH in epidemiology.

Other thesis and internships :

1 medical dissertation.

10 other students internships (less than 4 months internships).

Other Experiences

2020-present : Member of the High Council in Public Health (Haut Conseil de la Santé Publique HCSP) for the committee on child's health.

2020-2022: Member of recruitment committee at the Institut de Recherche pour le développement.

2019-present : Member of the editorial committee at the Bulletin Epidémiologique Hebdomadaire (BEH) de Santé Publique France (French CDCs).

2013-présent : Member of the Rebecca James Baker Award committee from the International Society of Environmental Epidemiology.

Expertise and reviewing:

reviewing for several funding agencies : ANR (2019), ANSES (2018), Luxembourg Institute of Health (2021), Fondation AXA (2021).

Scientific societies:

Member of the board of the SF-DOHaD (francophon Society of the Developmental Origins of Health and Diseases (DOHaD)

Member of the ISEE (International Society of Environmental Epidemiology), ISEE Africa Chapter.

Funding

Current Research Support

Agence Nationale de la Recherche (ANR) (PI). 2025-2028. InsecticideS used for vector control and health in the context of HIV – A long-term mother-child cohort in Mozambique.

Fondation pour la Recherche Médicale (PI). 2025-2028. Insecticides for vector control and child development : Making a decision between nuisance and malaria prevention.

National research agency on AIDS (Agence Nationale de la Recherche sur le Sida). Bodeau-Livinec F et Raquel Gonzalez (co-PIs) 2023-2026. Neurodevelopment and mental health in adolescents exposed in utero to HIV in Mozambique.

Fondation de France. Bodeau-Livinec (PI) 2023-2025. COGITO project. Exposure to pyrethroids insecticides and child's neurodevelopment in a malaria endemic area in Benin.

Fondation de France. Bodeau-Livinec (PI) 2020-2023. DEVINE project. Child's neurodevelopment from birth to 13 years of age, the Allada cohort in Benin.

Fonds d'Investissement pour le Développement. Gubert (PI).

Reduction of lead exposure in pregnant women and young children with a participatory approach : a pilot study in Abidjan, Ivory Coast

Role: co-I

Completed Research Support

Fondation de France. Bodeau-Livinec (PI). 2016-2018. EXPLORE project.

Exposure to lead and manganese and risks for children : impact on neurodevelopment and growth at 6 years of age in Benin.

Thomas Jefferson Fund. Bodeau-Livinec and Maselko (co-PIs, EHESP and UNC Chapel Hill). 2018-2021. Iron supplementation for pregnant women and children in Benin, sub-Saharan Africa: formative research to identify best practices

ANRS. Albert Faye-Mathurin Tejiokem (PIs). Pediacamdev project.

Child's cognitive development in children between 4 and 7 years of age infected or exposed to HIV in pregnancy.

Role : co-I.

NIH (National Institutes of Health) R21 pour Fogarty International Center/National Institutes of Child Health and Human Development (NICHD) : Bodeau-Livinec F. (PI) 01/07/2010-31/05/2013. 360,000\$ Anemia in Pregnancy in Benin and Impact on Cognitive Function in Childhood

Agence Nationale de la Recherche

ANR 13-JSV1-0004-01 Briand (PI) 01/01/14-31/03/17
Impact of malaria in early pregnancy on fetal growth in Benin (RECIPAL study)
Role: Co-Investigator

Embassy of France – Washington, DC Buekens (PI)

01/01/09-12/31/09

Impact of the Infection of the Dengue Virus During Pregnancy
Role: Consultant

Publications (<https://pubmed.ncbi.nlm.nih.gov/?term=bodeau-livinec+f+or+livinec+f&sort=date>)

Book chapters**In English**

- Bodeau-Livinec F, Cot M, Koura GK and Boivin MJ. Assessing the effects of maternal anemia on child development in Benin. In Boivin MJ and Giordani B, *Neuropsychology of Children in Africa: Perspectives on Risk and Resilience*. New York, NY: Springer Publishing 2013

In French

- Bodeau-Livinec F, Surman G, Kaminski M, Ancel PY, Kurinczuk JJ. Déficiences visuelles de l'enfant et handicaps associés : évolution sur 15 ans. (Childhood vision loss and associated impairments: a 15 year analysis.) In : d'Ercole C, Collet M, eds. 36^{èmes} Journées de la Société Française de Médecine Périnatale. Arnette, Paris 2006 pp 305-314.
- Livinec F, Ravaud JF, Letourmy A. Les protections juridiques en institution. Direction de la Recherche, des Etudes, de l'Evaluation et des Statistiques. Série Etudes. 2001 ;16 :155-166.

Jurys :

PhD committees : Member for 7 PhD students

HDR committees : Member for 3 faculty.