

Martine M. BELLANGER

CV 15 August 2017

Permanent professional address :

EHESP of Public Health

RENNES & PARIS

Phone: +33 29902 28 37

Mobile : + 33 670636312

E-Mail: martine.bellanger@ehesp.fr

PRESENT POSITION

- Professor of Health Economics, EHSP School of Public health
- Member of Research Unit, Management of Health Organizations (MOS) - EA 7348 MOS
- Associate member of Research Centre ARENE UMR 6051, Rennes
- Head of the Master of Public Health, EHESP
- Member of the International Breast Cancer & Nutrition Group (IBCN) Purdue University, US
- Invited Professor at Columbia Mailman School of Public Health, NYC (2010 – 5 months, 2013, 2014 and 2016 : 2 weeks)

BACKGROUND AND EDUCATION

- **2008** **Post doctoral Degree (Econ) for PhD students supervision** (Habilitation à diriger des recherches en Sciences Economiques, Aix-Marseille II University ; supervisor Pr Lise ROCHAIX)
- **1996** **Ph.D (Econ)**, Nantes University, Faculté des Sciences Economiques de Nantes (France); supervisor: Pr. H. NOGUES
- **1987** **MA (Econ)**, University of Nantes (France)

RESEARCH DEVELOPMENTS

Areas of Expertise

- Economics of prevention
- Economic analysis of health care reform in France and in E.U Member states
- Health Technology Assessment (HTA)
- Evaluation of public health care programmes and the issue related to inequalities
- Measuring efficiency in health care (e.g. hospital settings and services for elderly)

Peer Review Articles (2012- August 2017)

1. Jiao, B Rosen Z, Bellanger M, Belkin G, Austin E, Muennig P. The cost-effectiveness of PHQ screening and collaborative care for depression in New York City PLOS ONE 2017 August 31, 2017 doi.org/10.1371/journal.pone.0184210 (Pub Med IF 2.806)
2. Prichystalova R, Fini JB, Trasande L, Bellanger M, Demeneix B, Maxim L. Comparison of methods for calculating the health costs of endocrine disruptors: a case study on triclosan *Environmental Health* (2017) 16:55 DOI 10.1186/s12940-017-0265-x
3. Girault Anne, Bellanger M, Lalloué B, Loirat P, Moisdon JC, Minvielle E. Implementing Hospital Pay-for-Performance: lessons learned from the French pilot program, *Health Policy*. 2017 Apr;121(4):407-417. doi: 10.1016/j.healthpol.2017.01.007
4. Trasande L, Zoeller RT, Hass U, Kortenkamp A, Grandjean P, Myers JP, DiGangi J, Hunt PM, Rudel R, Sathyanarayana S, Bellanger M, Hauser R, Legler J, Skakkebaek NE, Heindel JJ. Burden of disease and costs of exposure to endocrine disrupting chemicals in the European Union: an updated analysis. *Andrology*. 2016 Jul;4(4):565-72
5. Lang PO, Lepretre PM, Vogel C, Lebreton C, Bellanger M, Rivière D, Regnard J, Bréchat PH, Lonsdorfer J. Programme d'entraînement personnalisé (PEP'C) aux seniors : qui a participé au projet pilote et pour quels bénéfices ?– NPG Neurologie Psychiatrie-Gériatrie Volume 16, Issue 92, April 2016 : 107–116
6. Garchitorena A, Ngonghala CN, Guegan JF, Texier G, Bellanger M, Bonds M, Roche B. Economic inequality caused by feedbacks between poverty and the dynamics of a rare tropical disease: the case of Buruli ulcer in sub-Saharan Africa. *Proc. R. Soc. B* 282: 20151426. <http://dx.doi.org/10.1098/rspb.2015.1426>
7. Bellanger M, Demeneix B, Grandjean P, Zoeller RT, Trasande L. *J Clin Endocrinol Metab*. 2015 Jun;100(6):L54-5. doi: 10.1210/jc.2015-2221
8. Bellanger M, Demeneix B, Grandjean P, Zoeller RT, Trasande L. Neurobehavioral Deficits, Diseases and Associated Costs of Exposure to Endocrine Disrupting Chemicals in the European Union, *Journal of Clinical Endocrinology & Metabolism*, *J Clin Endocrinol Metab*. 2015 Apr;100(4):1256-66. doi: 10.1210/jc.2014-4323.
9. Trasande L, Zoeller RT, Hass U, Kortenkamp A, Grandjean P, Peterson Myers J, DiGangi J, Bellanger M, Hauser R, Legler J, Skakkebaek N, Heindel JJ. Estimating Burden and Disease Costs of Exposure to Endocrine Disrupting Chemicals in the European Union, *J Clin Endocrinol Metab*. 2015 Apr;100(4):1245-55. doi: 10.1210/jc.2014-4324.
10. Gerves C, Bellanger M, Ankri J, Willingness to pay for informal care in France : Is it worth funding support interventions for caregivers? *Eur J Health Econ*.
11. Gervès C, Chauvin P, Bellanger MM. (2014). Evaluation of full costs of care for patients with Alzheimer's disease in France: the predominant role of informal care. *Health policy*, 116(1): 114-122.
12. Gerves C, Bellanger M, Ankri J, Economic Analysis of the Intangible Impacts of Informal Care for People with Alzheimer's Disease and Other Mental Disorders, *Value Health* 2013 Jul-Aug;16 (5):745-54. doi: 10.1016/j.jval.2013.03.1629. Epub 2013 Jun 15.
13. Bellanger M, Quentin W & Tan SS, Childbirth and Diagnosis Related Groups (DRGs): Patient Classification and Hospital Reimbursement in 11 European Countries, *Eur J Obstet Gynecol Reprod Biol*. 2013 Jan 30. doi:p11: S0301-2115(13)00009-2.
14. Bellanger M, Pichery C et al, Grandjean P, Economic benefits of methylmercury exposure control in Europe: Monetary value of neurotoxicity prevention, *Environmental Health* 2013, 12:3 doi:10.1186/1476-069X-12-3, Jan 7 Jan .
15. Grandjean P, Pichery C, Bellanger M & Budtz-Jørgensen, "Calculation of Mercury Effect on Neurodevelopment", *Environmental Health Perspectives*, Letter, September 2012
16. Pichery C, Bellanger M, Zmirou-Navier D, Fréry N, Cordier S, Roue-LeGall A, Hartemann P, Grandjean P, Economic evaluation of health consequences of prenatal methylmercury exposure in France, *Environmental Health journal*, 2012 11:53

Other publications (2011-2015)

1. Bellanger M, Picon PA, Stuwe L. Perspective on Health Technology Assessment Activities in Brazil, Health Policy Series, ISPOR Latin America, September 2015 : 5-7
<http://www.ispor.org/consortiums/LatinAmerica/Newsletter.asp>
2. Bellanger M, Langumier F, From Homogeneous patient groups to DRG like-based –payment system in France: a long journey, in Reinhard Busse, Alexander Geissler, Wilm Quentin, Open University Press , 2015 (accepted, in review)
3. Bellanger M , Mosse P. “Santé, Grandes tendances”, avec Mossé P.R., in *L'état de la France*, Paris, La Découverte : 2013.
4. Or Z, Bellanger M France: Homogeneous patient groups in a heterogeneous hospital market, with Zeynep Or in Reinhard Busse, Alexander Geissler, Wilm Quentin, Miriam Wiley (Eds) *Diagnosis Related Groups in Europe: Moving towards transparency, efficiency and quality in hospitals*, Open University Press 2011: 221-241.
5. Conrad K, Thuilliez J & Bellanger M. DRG systems and similar patient classification systems in Europe, in Reinhard Busse, Alexander Geissler, Wilm Quentin, Miriam Wiley (Eds) *Diagnosis Related Groups in Europe: Moving towards transparency, efficiency and quality in hospitals*, Open University Press 2011: 37-59

Contributions to international conferences (2012-2017)

(2017) Bellanger M , Grandjean P, International Health Economics Association, iHEA Congress Boston, 8-11 July 2017

(2016) Chauvin P, Bellanger M, Sirven N, Rapp T, "Gender-Specific Impact of HTA Bodies on Drug Prescriptions: Evidence from Alzheimer's disease drugs in France", EuHEA Conference, Hamburg, Germany, 13-15 July.

(2016) Bellanger M, The public Value of Biomarkers for the Primary Prevention of Cancer, American Society For Preventive Oncology ASPO 40th Meeting, 13-15 March 2016, Columbus, USA

(2015) Bellanger M & Dartois L. Impact of national healthy lifestyle recommendations, including nutrition, on global and cancer mortality in a French cohort and cost reduction, International Health Economics Association, iHEA Congress Milan, 12-15 July 2015

(2015) Chauvin P, Sirven N, Rapp T & Bellanger M. Do HAS recommendations impact consumptions of prescription drugs? Empirical analysis for drugs specific to Alzheimer's disease, iHEA Congress Milan, 12-15 July 2015

(2014) Bellanger M, Gervès C, Ankri J, Is a caregiver's value dependent on their caring skills - 3rd International Long -Term Care Policy Network (IPLN) – London, September 8 -10 September.

(2014) Bellanger M, Economics of primary prevention of breast cancer, IV International Breast Cancer & Nutrition , Purdue University, West Lafayette, US, Invited Conference, October 11-13.

(2013) Gervès C & Bellanger M, “How much is respite care worth? Informal caregivers WTP & WTA for care recipients with Alzheimer's Disease in HSA French panel data” 23rd Alzheimer Europe Conference, St. Julian's, Malta October 10-12..

(2013) Gervès C & Bellanger MM, Quelle valeur pour le répit aux aidants ? Le cas des aidants informels de patients atteints de la maladie d'Alzheimer de l'enquête HSA, Congrès international CALASS Rennes, France, 29-31 Août 2013

(2012) Bellanger MM, Chauvin P, Bourgeois A & Lebreton C, Time spent on care and costs for home-living patients with Alzheimer's disease in France 2nd International conference on Evidence-based Policy in Long-term Care, London, 5th to 8th September.

(2012) Gervès C, Bellanger MM & Ankri J Economic analysis of the intangible impacts of informal care for people with Alzheimer's disease and other mental disorders. 2nd International conference on Evidence-based Policy in Long-term Care, London, 5th to 8th September.

(2012) Bellanger MM, Evaluation de l'impact économique de l'exposition à des agents environnementaux neurotoxiques, VIIème Séminaire National du DES de Santé Publique, Santé Environnement Grenoble, 25-27 Avril.

Referee

- European Journal of Health Economics
- Health policy
- PLOS ONE
- Social Science and Medicine
- Value in Health

Membership and Networks:

- Regular participant in Collège des économistes de la santé conferences (CES)
- EHESP corresponding member of the European Health Management Association (EHMA)
- Invited Professor at Università Commerciale Luigi Bocconi of MILANO, ERASMUS mobility (Master of International Healthcare Management (MIHMEP) Centre for Research on Healthcare Management (CERGAS) et à la facolta d'Hygiène e di sanità pubblica di BOLOGNA
- Member of the European Health Policy Group (EHPG), London School of Economics (LSE) since 2000.
- International Health Economics Association (iHEA) Member

National & International Research Projects (2012-2017)

- International Breast Cancer Prevention and Nutrition Project (2011-2017) Pilot study, Breast Cancer Analysis in a cohort of females in NYC, USA and in Pointe à Pitre, Guadeloupe, France, Partnership, Columbia Mailman School of Public Health, EHESP French School of Public Health and University Hospitals, Pointe à Pitre
- Evaluation of Tunisia's School Programme d'aide aux familles nécessiteuses (PNAFN), in partnership with Ostermann J et al, Duke University, Nemsia H, Tunis, UNICEF Funding (2013-2014).
- Evaluation of care pathway for patients with Alzheimer Disease patients (AD) in some rural areas, in partnership colleagues from EHESP department of Social Sciences and colleagues from Angers Université (2 year program €60,000 Dec 2011- Jan 2014. Publications submitted in 2015
- Health Technology Assessment (HTA) University Teaching Hospital (CHU) Nantes: research program for Innovation (STIC): National Multicenter study (26 centers) 2012-2015: using INSORB Absorbable Staples after surgery (Dermatology, Gynecology and Esthetic surgery), Contribution for the Economic Evaluation of the Project (Budget €35,000)

Consultancy & expertise

- Haute Autorité de santé (HAS), Commission for economic evaluation & public health (2009-2012)

PhD dissertation supervision

- Anne Girault, Analysis of coordination based Payment for patients with cancer, co-direction Etienne Minvielle (ED 393), Grant Management Chair EHESP

- Ke Zhou, Economic evaluation of osteoporosis treatment in France, using real world evidence data (ED 393, CIFRE contract EHESP – REES), in process

Master thesis supervision (some examples 2012 -2017)

- Kim S (2017) The cost-effectiveness of capping freeways for use as parks in the name of population health: the Cross-Bronx Expressway case study
- Lee S (2017) Quality Based Purchasing of Acute Hospital Inpatient Care in Five European Countries
- Langumier F (2017) The social role of hospital in France, Cash Nanterre case study
- Amlag J (2016) Informal Care for Patients with Dementia: Caregiver Decision analysis
- Boshen J (2016) Cost Effectiveness Analysis of Mental Health interventions in the City of New York
- Roussel C (2016) Economic analysis of exposure prevention to some phthalates, in France
- Cook ODowd, N (2015) LT care and Social Protection in some OECD countries
- Colbert A (2015) Analysing Potential Impact of 3D Bioprinting on Healthcare Delivery in the OECD
- Dysko A (2015) Breast Cancer among women under 50: Worldwide trends, what could be done for prevention?
- Pachilingam J (2015) Toronto Central Care Coordination Access Centre (CCAC) :Workflow Analysis of Community Health Teams and Releasing Time to Care
- Lorenz K (2014) Care Pathway for people with Dementia in OECD Countries
- Hassan S (2014) Dental car in Kuwait: Improving performance of Royale HayatHospital
- Personnic (AL 2014) Implementation of HTA model for a better treatment of COPD population
- Pitrat B (2014) mHealth and startup development as a public health output
- Bruyas A (2013) Evaluation of vaccination programs in Eastern EU Countries
- Remy C (2013) Market Pricing for drugs in Europe
- Akindele M (2012) Economic Evaluation of Strategies for First line treatment of Patients with Multiple Myeloma who are not Eligible for Autologous Stem Cell Transplantation (ASCT) in France
- Gandré C (2012) Economic impact of ventilator-associated pneumonia (VAP) and evaluation of the VAP prevention program
- Moncel (2012) Measurement indicator use in French regional health agency
- Stüve L (2012) Judicialization of on-list medicines in Brazilian municipalities: Examining inadequacies of the Brazil's National Health System's pharmaceutical assistance program

TRAINING PROGRAM

- **2010 ... Director of the Master of Public Health Programs, EHESP (two year programs, 90 students, 35 countries)**

CURRENT TEACHING

- Health Economics (Graduate, Master of Public health, MBA)
- Health Economic Evaluation (Graduate: European Master Programme)
- Macroeconomics: Regulation, planning and ethics of decisions (Graduate EHESP and Master programmes)
- Economic Analysis of the Health care system and comparative analysis of the European systems (Graduate EHESP)
- Microeconomics: Cost & production analysis and hospital efficiency measurement (Graduate)
- **Contributions to international programs**

- Introduction to economic of public health issues, Northwestern University (Chicago), Minor « Global health » Centre américain de Sc Po Paris.
- Ethics and Economic decision in health care, Erasmus mundus, Master programme EUROPUBHEALTH, in collaboration with Sheffield University, Copenhagen University, Escuela andaluz de salud pública, Granada, & Jagellonian University Krakov.
- Analysis of health policy in France and the UK, MBA of health policy & Management, Keele University (UK), in collaboration with Pr. Paton.

CONTRIBUTION TO COLLECTIVE PROJECTS

Project manager for defining EHESP vision, research & training programmes (2003-2004)

Project manager for the public health Maser Programme at EHESP (2004-2006)

Project manager for the accreditation of the Master of Public Health Programs for the Agency for Public Health Education Accreditation (2014-2015)

LANGUAGES

- French, English, Spanish and Italian: Fluent.
- Arabic & Russian: Passive knowledge

Hobbies

- Piano & singing