



Paul Vaucher

Curriculum Vitae

"The scientist is motivated primarily by curiosity and a desire for truth." - Irvin Langmuir

Personal details

Date of birth 1st September 1975
Nationalities Swiss and Dutch
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Researchgate www.researchgate.net/profile/Paul_Vaucher
Publons <https://publons.com/researcher/271866/paul-vaucher/>

Education

2018 **Attestation didactique | Didaktische Qualifikation**, HES-SO – n° 1738.
2017–2018 **Formation cadre HES-SO|FR**, Modules Day by Day DEVPRO.
2014–2017 **University education training**, The University of Geneva.
2010–2014 **PhD in neuroscience**, The University of Geneva, Faculty of science - Lemanic Doctoral School of Neuroscience.
2006–2008 **Postgraduate masters in science - clinical trials**, University of London, London School of Hygiene and Tropical Medicine.
2004–2005 **Certificate in Advanced Studies in health rights**, University of Neuchâtel, Institute of Health Rights.
1996–2002 **Diploma in osteopathic medicine (DiO)**, Swiss School of Osteopathy, Diploma osteopath CDS-GDK, 2009.
1991–1996 **High school degree**, Collège de Saint-Maurice, Valais.

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Professional affiliations

- 2019–present **HES-SO Health Faculty Scientific Board**, *Member*.
- 2018–present **COME – Centre for Osteopathic Medicine Collaboration**, *Member of the Board of Trustees*.
- 2016–present **I-CHAT – International expert advisory panel in Community Health and Transport**, *Founding Member*.
- 2014–present **Society for Neuroscience**, *Regular Member*.
- 2014–present **Swiss Society for Neuroscience - FENS**, *Regular Member*.
- 2007–present **Swiss Federation of Osteopaths**, *Honorary Member*.

Awards and distinctions

- 2015 **Prix FoHAM/CMPR**, *The college of Primary Care Medicine Research Award*.
First prize for the publication concerning screening for risks of forgoing healthcare (Bodemann et al. 2014)
- 2012 **Prix FoHAM/CMPR**, *The college of Primary Care Medicine Research Award*.
First prize for the publication concerning the "Help question" (Lombardo et al. 2011)
- 2011 **Dr Lothar Beyer-Preis**, *German Society of General Practice*.
First prize for the Marburg Heart Score study
- 2011 **Prix FoHAM/CMPR**, *The college of Primary Care Medicine Research Award*.
First prize for the publication of the CHD predictive score (Vaucher, Gencer et al. 2011)
- 2009 **Best oral presentation prize**, *2009 Swiss Society of Internal Medicine Congress*.
Presentation of our results on the CHD predictive score
- 2009 **Prix FoHAM-CMPR**, *The college of Primary Care Medicine Research Award*.
First prize for the article on the prevalence of depression, anxiety, and somatoform disorders in primary care (Haftgoli et al. 2010)
- 2002 **Prize of merit and distinction**, *Swiss School of Osteopathy*, 2002 graduation.
Prize awarded for a student's outstanding contribution to school activities
- 1996 **Prize of merit and distinction**, *Collège de Saint Maurice*.
Graduation prize awarded by the association of alumni for the student who most contributed to the school's social life

Research interests & fields of expertise

- Neuroscience
 - Therapeutic touch
 - Age related cerebral decline
 - Visual processing speed
- Primary care
 - E-health
 - Practice evaluation & quality of care
 - Clinical predictive rules
 - Decision making
- Social epidemiology
 - Out-of-home mobility
 - Psychosocial stressors
- Nutrition
 - Iron supplements and fatigue
 - Vitamin *B*₁₂

Professional experiences

Research experience

- 2019–Present **Full Professor UAS**, *University of Applied Sciences and Arts Western Switzerland*, Faculty of Health–Fribourg, Unit of Research on Mobility.
Head of the unit
- 2014–Present **Research project leader**, *University hospital of Lausanne (CHUV)*, Department of Medicine and Community Health.
Obtain research grants, select and train research staff, analyse data, write publications, strengthen networks with external institutions, provide methodological advice for other research projects.
- 2015–2019 **Professeur spécialisé en ostéopathie**, *University of Applied Sciences and Arts Western Switzerland*, Faculty of Health–Fribourg, Unit of Research on Mobility.
Head of the unit
- 2009–2014 **Research assistant**, *University of Geneva*, Faculty of Medicine.
Prepare grant applications, write and submit protocols, manage research staff, analyse data, write article drafts, assist clinicians for their publications.
- 2008–2010 **Research collaborator**, *University of Lausanne*, Institute of General Medicine (IUMG).
Plan analysis, analyse data, write article drafts.
- 2007–2012 **Research collaborator**, *University of Lausanne*, Department of Ambulatory Care and Community Medicine (PMU).
Review literature, help prepare grant applications, write and submit protocols, train and supervise research staff, collect data, analyse data, write article drafts.
- 2002–2006 **Research assistant**, *Swiss School of Osteopathy*, Belmont-sur-Lausanne.
Supervise students for their dissertation.
- 2001–2007 **Research assistant**, *University of Lausanne*, Department of Ambulatory Care and Community Medicine (PMU).
Data collection, data entry, data analysis, literature review, medical writing.

Teaching experience

- 2017-Actual **Professor HES-SO**, *University of Applied Sciences and Arts (HES-SO)*, Division of Osteopathy (HEdS), Fribourg, Switzerland.
Module Organiser for research BSc Ost
- 2014-Actual **Professor HES-SO**, *University of Applied Sciences and Arts (HES-SO)*, Division of Osteopathy (HEdS), Fribourg, Switzerland.
Module Organiser for research BSc Ost
- 2012-Actual **Invited lecturer**, *University of Applied Sciences (HES-SO)*, Division of Occupational Therapy (EESP), Lausanne, Switzerland.
Supervise students for their research projects & give a four hour period course on how to assess fitness to drive for older drivers.
- 2012-2016 **Distance learning program tutor**, *University of London*, London School of Hygiene and Tropical Medicine, Faculty of Epidemiology and Population Health, London, United Kingdom.
Tutor for the module CT207 Design and Analysis of Epidemiological Studies

- 2012–2014 **Lecturer**, *Swiss Federation of Osteopaths*, Fribourg, Switzerland, Postgraduate course in osteopathic pediatry.
Module organiser for research project on how to plan and write a case study.
- 2011–2013 **Distance learning program tutor**, *University of London*, London School of Hygiene and Tropical Medicine, Faculty of Epidemiology and Population Health, London, United Kingdom.
Tutor for the module CT210 Protocol development.
- 2010 **Lecturer**, *Swiss Federation of Osteopaths*, Fribourg, Switzerland, GDK-CDS updating course for equivalence to become osteopath.
Module organiser for the course on Deontology, history and future perspectives in osteopathy.
- 2009–2010 **External lecturer**, *International Centre of Osteopathy*, Saint-Etienne, France.
One day seminar organised to train teachers on how to plan and supervise research projects.
- 2009–2010 **External lecturer**, *Collège Ostéopathique de Provence*, Marseille, France.
Two day seminar organised for final year students on how to put up their own research project and develop their critical appraisal skills.
- 2005–2006 **Lecturer**, *Swiss School of Osteopathy*.
Provide students with the basis on how to plan a research project, write a protocol, and present results orally.
- 2002–2004 **Assistant**, *Swiss School of Osteopathy*.
Assist students in their research project.

Clinical experience

- 2019–present **Osteopath practitioner**, *Centre de Thérapies du Lac*, Yverdon-les-Bains.
Consultations 1 morning per month
- 2012–2016 **Osteopath practitioner**, *Centre de Thérapies du Lac*, Yverdon-les-Bains.
Handles difficult cases or patients with financial difficulties (5% working time).
- 2007–2009 **Senior registrar**, *Centre Ostéopathique d'Areuse*, Areuse.
Supervised two resident osteopaths during their fulltime postgraduate training at the Centre.
- 2002–2009 **Osteopath practitioner**, *Centre Ostéopathique d'Areuse*, Areuse.
Independent osteopath in a practice office with three other osteopaths.
- 2001–2002 **Resident osteopath**, *Centre Ostéopathique d'Areuse*, Areuse.
Fulltime osteopath under the supervision of Anouchka Peters.

Voluntary associative work

- 2006–2009 **President of the Ethical and Deontology Council**, *Swiss Federation of Osteopaths*.
- 2005 **Member of the Inter-associative Commission of Deontology**.
Established the code of deontology for the future united society of osteopaths
- 2005 **Member of the Founding Commission**, *Swiss Federation of Osteopaths*.
Established the status and the structure of the united society of osteopaths
- 2004–2005 **President of the Ethical Committee**, *Federation Osteopatica Helveticum*.
- 1998–2001 **President of the student association**, *Swiss School of Osteopathy*.

Publications

Dissertations

- PhD Translating cognitive neuroscience to fitness to drive using a neuroergonomic approach. (PhD in neuroscience), Faculty of science, University of Geneva, Geneva. 11 Jul 2014; Thesis ne-133; doi:10.13140/RG.2.1.3913.1686
- MSc Designing phase III or IV trials for vaccines: choosing between individual or cluster randomised trial designs. (MSc in Clinical Trials), London School of Hygiene and Tropical Medicine, University of London, London. September 2008
- Certificat "Informations destinées aux patients en ostéopathie: bases légales et connaissances médicales". (Certificat of Health Rights), Institut of Health Rights, University of Neuchatel, Neuchatel. 30 Jan 2005; doi:10.13140/RG.2.1.4138.6401
- DiO "Fiabilité intra et inter-testeur du test de Downing ou du test de rallongement-raccourcissement du membre inférieur". (Diploma in osteopathic medicine), Swiss School of Osteopathy, Belmont sur Lausanne. 30 Jan 2004; Ref 165.03; doi:10.13140/RG.2.1.3774.4165

Original research

- 2019 **Vaucher P**. Tester la dysfonction sacro-iliaque: Effet et fiabilité des test d'allongement-raccourcissement du membre inférieur (test de Downing) sur une population symptomatique. *Mains Libres*;1;21-30.
Ménard M, Chenaut P, Lancelot L, **Vaucher P**, Bourgin M, Bideau B. Modélisation de la cinématique articulaire et musculaire de la région lombaire lors du test de la commère: Une étude de preuve de concept. *La Revue de l'Ostéopathie*, 22, 5-13.
- 2018 **Vaucher P**, Macdonald RJD, Carnes D. The role of osteopathy in the Swiss primary health care system: a practice review. *BMJ Open*. 2018 Sep 1;8(8):e023770. doi: 10.1136/bmjopen-2018-023770. PMID: 30173163
Clerc Liaudat C, **Vaucher P**, De Francesco T, et al. Sex/gender bias in the management of chest pain in ambulatory care. *Womens Health* 2018;14:1745506518805641. doi:10.1177/1745506518805641
Sebo P, **Vaucher P**, Haller D, et al. What is the profile of older drivers considered medically unfit to drive? A cross-sectional survey in Western Switzerland. *Swiss Med Wkly* 2018;148:w14684. doi:10.4414/smw.2018.14684
Sebo P, Haller DM, Favrat B, Huber P, Mueller Y, **Vaucher P**. Adherence to guidelines when evaluating fitness-to-drive in the elderly: a practice review of Swiss physicians. *Swiss Med Wkly* 2018;148:w14632. doi:10.4414/smw.2018.14632
Macdonald RJD, **Vaucher P**, Esteves JE. The beliefs and attitudes of UK registered osteopaths towards chronic pain and the management of chronic pain sufferers - A cross-sectional questionnaire based survey. *Int J Ost Med*:2018;30:3-11. doi:10.1016/j.ijosm.2018.07.003
Cettou N, **Vaucher P**, Carnes D, Hendriks Muller H. Efficacité des thérapies manuelles dans la prise en charge du côlon irritable chez l'adulte: une revue systématique de la littérature. *Mains Libres*, 2018;1: 9-18

- Smelt AF, Gussekloo J, Bermingham LW, Allen E, Dangour AD, Eussen SJ, Favrat B, De Groot LC, Kok FJ, Kwok T, Mangoni AA, Ntaios G, Van De Rest O, Seal E, **Vaucher P**, Verhoef P, Stijnen T, Den Elzen WP. The Effect of Vitamin B12 and Folic Acid Supplementation on Routine Haematological Parameters in Older People: An Individual Participant Data Meta-Analysis. *Eur J Clin Nutr*, 2018. <https://doi.org/10.1038/s41430-018-0118-x>
- Spreng L, Favrat B, Borruat F, **Vaucher P**. Cross-sectional study assessing the addition of contrast sensitivity to visual acuity when testing for fitness to drive. *BMJ Open*; 2018;8:e018546. doi: 10.1136/bmjopen-2017-018546
- Troxler R, Minoiu C, **Vaucher P**, Michaud K, Doenz F, Ducrot K, Grabherr S. The role of angiography in the congruence of cardiovascular measurements between autopsy and postmortem imaging. *Int J Legal Med*. 2018;132(1):249-262. doi: 10.1007/s00414-017-1652-0. PMID 28741057
- 2017 Lombardo P, **Vaucher P**, Rarau P, Mueller I, Favrat B, Senn N. Hemoglobin Levels and the Risk of Malaria in Papua New Guinean Infants: A Nested Cohort Study. *Am J Trop Med Hyg*. 2017;97(6):1770-1776. doi: 10.4269/ajtmh.17-0093. PMID 29016324
- 2016 **Vaucher P**, Michiels W, Joris Lambert S, Favre N, Perez B, Baertschi A, Favrat B, Gache P. Benefits of short educational programmes in preventing drink- driving recidivism: A ten-year follow-up randomised controlled trial. *Int J Drug Policies*. 2016;32:70-6. doi:10.1016/j.drugpo.2016.03.006. PMID 27184219
- Fasel JH, Uldin T, **Vaucher P**, Beinemann J, Stimec B, Schaller K. Evaluating Preoperative Models: A Methodologic Contribution. *World Neurosurg*. 2016;89:681-685. doi: 10.1016/j.wneu.2015.12.006. PMID 26704215
- Waldvogel S, Rochat B, Peduzzi D, **Vaucher P**, Tissot JD, Favrat B. Effects of oral supplementation of iron on hepcidin blood concentrations among non-anaemic female blood donors: a randomized controlled trial. *Vox Sang*. 2016;110(2):166-171. doi: 10.1111/vox.12348. PMID: 26394360.
- 2015 **Vaucher P**, Di Biase C, Lobsiger L, Margot Cattin I, Favrat B, Patomella A-H. Reliability of P-Drive in occupational therapy following a short training; a promising instrument measuring seniors' on-road driving competencies. *Brit J Occ Ther* 2015; 78: 131-139, doi:10.1177/0308022614562580
- 2014 **Vaucher P**, Herzig D, Cardoso I, Herzog MH, Mangin P, Favrat B. The Trail Making Test as a Screening Instrument for Driving Performance in Older Drivers; A Translational Research. *BMC Geriatrics*. 2014 Nov; 14(1):123. doi: 10.1186/1471-2318-14-123. PMID: 25420615
- Vaucher P**, Cardoso I, Veldstra JL, Herzig D, Herzog M, Mangin P and Favrat B. A neuropsychological instrument measuring age-related cerebral decline in older drivers: development, reliability, and validity of MedDrive. *Front. Hum. Neurosci*. 2014 Oct; 8:772. doi: 10.3389/fnhum.2014.00772. PMID: 25346674
- Bodenmann P, Favrat B, Wolff H, Guessous I, Panese F, Herzig L, Bischoff T, Casillas A, Golano T, **Vaucher P**. Screening primary-care patients forgoing health care for economic reasons. *PLoS One*. 2014 Apr 3;9(4):e94006. doi:10.1371/journal.pone.0094006. PMID: 24699726

- Chatelard S, Bodenmann P, **Vaucher P**, Herzig L, Bischoff T, Burnand B. General practitioners can evaluate the material, social and health dimensions of patient social status. *PLoS One*. 2014 Jan 15;9(1):e84828. doi:10.1371/journal.pone.0084828. PMID: 24454752
- Pedrazzini B, Waldvogel S, **Vaucher P**, Cornuz J, Heinzer R, Tissot JD, Favrat B. Prevalence of restless legs syndrome in female blood donors 1 week after blood donation. *Vox Sang*. 2014 Jul;107(1):44-9. doi: 10.1111/vox.12123. PMID: 24329401.
- 2013 Chevallier C, Doenz F, **Vaucher P**, Palmiere C, Dominguez A, Binaghi S, Mangin P, Grabherr S. Postmortem computed tomography angiography vs. conventional autopsy: advantages and inconveniences of each method. *Int J Legal Med*. 2013 Sep;127(5):981-9. doi: 10.1007/s00414-012-0814-3. PMID: 23292183.
- Bruguier C, Mosimann PJ, **Vaucher P**, Uské A, Doenz F, Jackowski C, Mangin P, Grabherr S. Multi-phase postmortem CT angiography: recognizing technique-related artefacts and pitfalls. *Int J Legal Med*. 2013 May;127(3):639-52. doi:10.1007/s00414-013-0840-9. PMID: 23515679.
- de Froidmont S, Grabherr S, **Vaucher P**, De Cesare M, Egger C, Papageorgopoulou C, Roth V, Morand G, Mangin P, Uldin T. Virtual anthropology: a comparison between the performance of conventional X-ray and MDCT in investigating the trabecular structure of long bones. *Forensic Sci Int*. 2013 Feb 10;225(1-3):53-9. doi: 10.1016/j.forsciint.2012.10.029. PMID: 23153800.
- Darling KE, Gloor E, Ansermet-Pagot A, **Vaucher P**, Durieux-Paillard S, Bodenmann P, Cavassini M. Suboptimal access to primary healthcare among street-based sex workers in southwest Switzerland. *Postgrad Med J*. 2013 Jul;89(1053):371-5. doi: 10.1136/postgradmedj-2012-131001. PMID: 23150609.
- 2012 Herzig L, Mühlemann N, Burnand B, Favrat B, Haftgoli N, Verdon F, Bischoff T, **Vaucher P**. Development of mental disorders one year after exposure to psychosocial stressors; a cohort study in primary care patients with a physical complaint. *BMC Psychiatry*. 2012 Aug 20;12:120. doi: 10.1186/1471-244X-12-120. PMID: 22906197
- Ronga A, **Vaucher P**, Haasenritter J, Donner-Banzhoff N, Bösner S, Verdon F, Bischoff T, Burnand B, Favrat B, Herzig L. Development and validation of a clinical prediction rule for chest wall syndrome in primary care. *BMC Fam Pract*. 2012 Aug 6;13:74. doi: 10.1186/1471-2296-13-74. PMID: 22866824
- Vaucher P**, Druais PL, Waldvogel S, Favrat B. Effect of iron supplementation on fatigue in nonanemic menstruating women with low ferritin: a randomized controlled trial. *CMAJ*. 2012 Aug 7;184(11):1247-54. doi:10.1503/cmaj.110950. PMID: 22777991
- Haasenritter J, Bösner S, **Vaucher P**, Herzig L, Heinzel-Gutenbrunner M, Baum E, Donner-Banzhoff N. Ruling out coronary heart disease in primary care: external validation of a clinical prediction rule. *Br J Gen Pract*. 2012 Jun;62(599):e415-21. doi: 10.3399/bjgp12X649106. PMID: 22687234
- Schrag B, Mangin P, **Vaucher P**, Bollmann MD. Death caused by cardioinhibitory reflex: what experts believe. *Am J Forensic Med Pathol*. 2012 Mar;33(1):9-12. PMID: 22442830.

Egger C, **Vaucher P**, Doenz F, Palmiere C, Mangin P, Grabherr S. Development and validation of a postmortem radiological alteration index: the RA-Index. *Int J Legal Med.* 2012 Jul;126(4):559-66. doi: 10.1007/s00414-012-0686-6. PMID: 22402872.

Schrag B, Roux-Lombard P, Schneiter D, **Vaucher P**, Mangin P, Palmiere C. Evaluation of C-reactive protein, procalcitonin, tumor necrosis factor alpha, interleukin-6, and interleukin-8 as diagnostic parameters in sepsis-related fatalities. *Int J Legal Med.* 2012 Jul;126(4):505-12. doi:10.1007/s00414-011-0596-z. PMID: 21735293.

Palmiere C, Sporkert F, **Vaucher P**, Werner D, Bardy D, Rey F, Lardi C, Brunel C, Augsburg M, Mangin P. Is the formula of Traub still up to date in ante-mortem blood glucose level estimation? *Int J Legal Med.* 2012 May;126(3):407-13. doi:10.1007/s00414-011-0659-1. PMID: 22327538.

Vaucher P, Bischoff T, Diserens EA, Herzig L, Meystre-Agustoni G, Panese F, Favrat B, Sass C, Bodenmann P. Detecting and measuring deprivation in primary care: development, reliability and validity of a self-reported questionnaire: the DiPCare-Q. *BMJ Open.* 2012 Feb 3;2(1):e000692. doi: 10.1136/bmjopen-2011-000692. PMID: 22307103

Waldvogel S, Pedrazzini B, **Vaucher P**, Bize R, Cornuz J, Tissot JD, Favrat B. Clinical evaluation of iron treatment efficiency among non-anemic but iron-deficient female blood donors: a randomized controlled trial. *BMC Med.* 2012 Jan 24;10:8. doi: 10.1186/1741-7015-10-8. PMID: 22272750

Bieler G, Paroz S, Faouzi M, Trueb L, **Vaucher P**, Althaus F, Daepfen JB, Bodenmann P. Social and medical vulnerability factors of emergency department frequent users in a universal health insurance system. *Acad Emerg Med.* 2012 Jan;19(1):63-8. doi: 10.1111/j.1553-2712.2011.01246.x. PMID: 22221292.

Egger C, Bize P, **Vaucher P**, Mosimann P, Schneider B, Dominguez A, Meuli R, Mangin P, Grabherr S. Distribution of artifactual gas on post-mortem multidetector computed tomography (MDCT). *Int J Legal Med.* 2012 Jan;126(1):3-12. doi: 10.1007/s00414-010-0542-5. PMID: 21207230.

2011 Lombardo P, **Vaucher P**, Haftgoli N, Burnand B, Favrat B, Verdon F, Bischoff T, Herzig L. The 'help' question doesn't help when screening for major depression: external validation of the three-question screening test for primary care patients managed for physical complaints. *BMC Med.* 2011 Oct 18;9:114. doi: 10.1186/1741-7015-9-114. PMID: 22005130

Sabatasso S, **Vaucher P**, Augsburg M, Donzé N, Mangin P, Michaud K. Sensitivity and specificity of NT-proBNP to detect heart failure at post mortem examination. *Int J Legal Med.* 2011 Nov;125(6):849-56. doi:10.1007/s00414-011-0581-6. PMID: 21597901

Schrag B, **Vaucher P**, Bollmann MD, Mangin P. Death caused by cardioinhibitory reflex cardiac arrest—a systematic review of cases. *Forensic Sci Int.* 2011 Apr 15;207(1-3):77-83. doi: 10.1016/j.forsciint.2010.09.010. PMID: 20961719.

- Vaucher P**, Favrat B, Herzig L, Burnand B, Ali G, Boulat O, Bischoff T, Verdon F. Oral vitamin B12 for patients suspected of subtle cobalamin deficiency: a multicentre pragmatic randomised controlled trial. *BMC Fam Pract*. 2011 Jan 13;12:2. doi: 10.1186/1471-2296-12-2. PMID: 21232119
- 2010 Haftgoli N, Favrat B, Verdon F, **Vaucher P**, Bischoff T, Burnand B, Herzig L. Patients presenting with somatic complaints in general practice: depression, anxiety and somatoform disorders are frequent and associated with psychosocial stressors. *BMC Fam Pract*. 2010 Sep 15;11:67. doi: 10.1186/1471-2296-11-67. PMID: 20843358
- Bösner S, Haasenritter J, Becker A, Karatolios K, **Vaucher P**, Gencer B, Herzig L, Heinzl-Gutenbrunner M, Schaefer JR, Abu Hani M, Keller H, Sönnichsen AC, Baum E, Donner-Banzhoff N. Ruling out coronary artery disease in primary care: development and validation of a simple prediction rule. *CMAJ*. 2010 Sep 7;182(12):1295-300. doi: 10.1503/cmaj.100212. PMID:20603345
- Verdon F, Junod M, Herzig L, **Vaucher P**, Burnand B, Bischoff T, Pécoud A, Favrat B. Predictive ability of an early diagnostic guess in patients presenting with chest pain; a longitudinal descriptive study. *BMC Fam Pract*. 2010 Feb 21;11:14. doi: 10.1186/1471-2296-11-14. PMID: 20170544
- Bodenmann P, Cornuz J, **Vaucher P**, Ghali W, Daepfen JB, Favrat B. A health behaviour cross-sectional study of immigrants and non-immigrants in a Swiss urban general-practice setting. *J Immigr Minor Health*. 2010 Feb;12(1):24-32. doi: 10.1007/s10903-008-9148-0. PMID: 18446438
- Vaucher P**, Gencer B, Herzig L, Verdon F, Ruffieux C, Bösner S, Burnand B, Bischoff T, Donner-Banzhoff N, Favrat B. Ruling out coronary heart disease in primary care patients with chest pain: a clinical prediction score. *BMC Med*. 2010 Jan 21;8:9. doi: 10.1186/1741-7015-8-9. PMID: 20092615
- 2009 **Vaucher P**, Rey L, Secretan F, Zellweger JP, Bodenmann P. Use of nicotine substitute prescribed at hourly plus ab libitum intake or ad libitum for heavy smokers willing to quit: a randomized controlled trial. *Subst Abuse Treat Prev Policy*. 2009 Jun 2;4:12. doi: 10.1186/1747-597X-4-12. PMID: 19490626
- Bodenmann P, **Vaucher P**, Wolff H, Favrat B, de Tribolet F, Masserey E, Zellweger JP. Screening for latent tuberculosis infection among undocumented immigrants in Swiss healthcare centres; a descriptive exploratory study. *BMC Infect Dis*. 2009 Mar 24;9:34. doi: 10.1186/1471-2334-9-34. PMID: 19317899
- 2007 Bodenmann P, Althaus F, Burnand B, **Vaucher P**, Pécoud A, Genton B. Medical care of asylum seekers: a descriptive study of the appropriateness of nurse practitioners' care compared to traditional physician-based care in a gatekeeping system. *BMC Public Health*. 2007 Oct 31;7:310. PMID: 17974001
- 2006 Senn M, Favrat B, **Vaucher P**, Burnier M. Physicians' estimates of the 10 year cardiovascular risk in hypertensive patients: an evaluation in primary care physicians in training. *Swiss Med Wkly*. 2006 Sep 16;136(37-38):603-8. PMID: 17043954.

2005 Bodenmann P, Murith N, Favrat B, **Vaucher P**, Bissery A, Vannotti M, Cornuz J, Pécoud A, Zellweger JP. Perception of the damaging effects of smoking, and brief cessation counselling by doctors. *Swiss Med Wkly*. 2005 Apr 30;135(17-18):256-62. PMID: 15965828.

Review articles (with editorial policies)

2017 **Vaucher P**. Reliability of tests, measures and evaluation procedures. *Mains Libres*. 2017(2):49–55

2016 **Vaucher P**. The p-value – knowledge or fortuity? A world where doubt has its place. *Mains Libres*. 2016;(4):49-52

Vaucher P, Favrat B. Tackling Societal Challenges Related to Ageing and Transport Transition: An Introduction to Philosophical Principles of Causation Adapted to the Biopsychosocial Model. *Geriatrics*. 2016;1(1):3. doi:10.3390/geriatrics1010003

Vaucher P. Questioning the rationality of clinical osteopathic tests : future perspectives for research. *Mains Libres*. 2016;(1):33-36

2015 **Vaucher P**. A systematic review suggests inflammation could favour spontaneous lumbar disc herniation regression especially for more severe stages of herniation. *Int J Ost Med*. 2015;18(4):312-313. doi:10.1016/j.ijosm.2015.10.002

2014 **Vaucher P**. Two fold increase in "severe" adverse effects following spinal manipulation in patients with chronic back pain: Results from a sham controlled clinical trial; *Research and Treatment Bulletin*. *Int J Ost Med*. 2014;17(1):75-76. doi:10.1016/j.ijosm.2013.12.001

2013 **Vaucher P**. OMT especially recommended for severe low back pain; *Research and Treatment Bulletin*.; *Research and Treatment Bulletin Int J Ost Med*. 2013;16(4):243-244. doi:10.1016/j.ijosm.2013.10.006

Vaucher P. Benefits of osteopathic manual treatment on chronic low back pain – At last, a large high quality clinical trial!; *Research and Treatment Bulletin*. *Int J Ost Med* 2013;16(3):163-64. doi:10.1016/j.ijosm.2013.07.003.

Vaucher P. Ruling out other causes than chest wall syndrome for patients with chest pain; *Research and Treatment Bulletin*. *Int J Ost Med*. 2013;16(2):126-127. doi:10.1016/j.ijosm.2013.04.011

2011 Wallace E, Smith SM, Perera-Salazar R, **Vaucher P**, McCowan C, Collins G, Verbakel J, Lakhampaul M, Fahey T; International Diagnostic and Prognosis Prediction (IDAPP) group. Framework for the impact analysis and implementation of Clinical Prediction Rules (CPRs). *BMC Med Inform Decis Mak*. 2011 Oct 14;11:62. doi: 10.1186/1472-6947-11-62. PMID: 21999201

2009 **Vaucher P**. Alexander technique shows long term benefit for chronic low back pain; *Research and Treatment Bulletin*. *Int J Ost Med*. 2009;12(3):107-108. doi:10.1016/j.ijosm.2009.06.003

Vaucher P. Designing phase III or IV trials for vaccines: choosing between individual or cluster randomised trial designs. *Vaccine*. 2009 Mar 18;27(13):1928-31. doi: 10.1016/j.vaccine.2009.01.107. PMID: 19368773

Review articles (without editorial policy)

- 2014 Bodenmann P, Wolff H, Bischoff T, Herzig L, Warin P, Chatelard S, Burnand B, **Vaucher P**, Favrat B, Panese F, Jackson YL, Vu F, Guessous I. Renoncement aux soins: comment apprehender cette realite en medecine de premier recours? Rev Med Suisse. 2014;10(452):2258, 2260-2253. PMID: 25562977
- 2013 Waldvogel Abramowski S, Favrat B, **Vaucher P**, Cornuz J, Tissot JD. Diagnostic markers of iron deficiency: which should we choose?. Rev Med Suisse. 2013 Feb 13;9(373):380-3. PMID: 23477072.
- 2012 Favrat B, Waldvogel Abramowski S, **Vaucher P**, Cornuz J, Tissot JD. Iron deficiency without anemia: where are we in 2012?. Rev Med Suisse. 2012 Nov 28;8(364):2277-8, 2280-1. PubMed PMID: 23240240.
- Chatelard S, **Vaucher P**, Wolff H, Bischoff T, Herzig L, Panese F, Vu F, Burnand B, Bodenmann P. General practitioners facing social inequalities in health: which power to act?. Rev Med Suisse. 2012 May 16;8(341):1061-2, 1064-6. PMID: 22730642.
- 2011 Gloor E, Meystre-Agustoni G, Ansermet-Pagot A, **Vaucher P**, Durieux-Paillard S, Bodenmann P, Cavassini M. Sex workers: limited access to healthcare. Rev Med Suisse. 2011 Jun 29;7(301):1429-33. PMID: 21815501.
- Herzig L, Bischoff T, Favrat B, **Vaucher P**, Gencer B, Mühlemann N. Development, implementation and practical use of a diagnostic score. Rev Med Suisse. 2011 May 18;7(295):1078-80, 1082-3. PMID: 21688674
- 2009 Bodenmann P, Jackson Y, Bischoff T, **Vaucher P**, Diserens EA, Madrid C, Althaus F, Wolff H. Deprivation and social determinants of health: any role for the general practitioner?. Rev Med Suisse. 2009 Apr 15;5(199):845-9. PMID: 19441751.

Protocol

- 2009 Pedrazzini B, Waldvogel S, Cornuz J, **Vaucher P**, Bize R, Tissot J-D, et al. The impact of iron supplementation efficiency in female blood donors with a decreased ferritin level and no anaemia. Rationale and design of a randomised controlled trial: a study protocol. Trials. 2009;10:4.doi:10.1186/1745-6215-10-4. PMID 19149890

Letters to the editor

- 2017 **Vaucher P**, Choi M, Gélinas I, Harries P, Margot-Cattin I, Mazer B, Van Niekerk L, Patomella A-H, Stapleton T, Swanepoel L, Unsworth C, Vrkljan B. Development of the International Expert Advisory Panel on Community Health and Transport (I-CHaT) to coordinate research on transport mobility. Brit J Occup Ther. 2017;030802261773338. doi: 10.1177/0308022617733389.
- 2015 **Vaucher P**, Pasche C, Favrat B. Technical Comment on "Saccadic eye movement performance as an indicator of driving ability in elderly drivers". Swiss Med Wkly. 2015;145:w14194. doi: 10.4414/smw.2015.14194. PubMed PMID: 26506074
- 2014 **Vaucher P**, Favrat B. Iron Supplementation in Non-anemic Women CMAJ. Sep 2012: reply to cmaj-el-712861
- 2012 **Vaucher P**. "Mendelian attribution" rather than "Mendelian randomisation". BMJ. 2012;345(bmj.e7325/rr/614322).

- 2009 **Vaucher P**, Lombardo P, Favrat B, Burnand B, Herzig L. Using the additional "help" screening question for depression; how can it improve the specificity without affecting the sensitivity? *BMJ*. 2009: <http://www.bmj.com/rapid-response/2011/11/02/using-additional-help-screening-question-depression-how-can-it-improve-spe>
- 2008 **Vaucher P**. Sitting devices could protect against sudden infant death. *Arch Dis Child*. 2008 May;93(5):448. PMID: 18426943

Book chapters

- 2014 Bodemann P, **Vaucher P**, Pasche O, Kermodé-Noppel T, Marguerat I, Cornuz J, et al. Varicelle chez l'adulte. In: Cornuz J, Pasche O, Kermodé-Noppel T, eds. *Compas - Stratégies et prise en charge clinique Médecine interne générale ambulatoire*. 2nd edition. Chêne-Bourg: Editions Médecine & Hygiène; 2014. ISBN 978-2-88049-354-7

Invited oral presentations as keynote speaker

- 2017 Modulation de la perception du toucher en fonction du langage corporel lors de la triangulation thérapeutique - 3rd European EVSO Congress - Osteopathy and Science, 23 September 2017; Lyon, France, *Invited organiser for workshop*
- Les défis posés par les 15 dernières années de recherche en ostéopathie - 3rd European EVSO Congress - Osteopathy and Science, 22 September 2017; Lyon, France *Keynote speaker*
- Introduction et problématique ; Un cadre conceptuel pour aider à la décision. Seniors, troubles cognitifs et conduite: nouveautés dans l'évaluation et la prise en charge - 6ème Colloque du Réseau Santé Nord Broye; 21 Septembre 2017, Yverdon-les-Bains, Switzerland, *Keynote speaker*
- Why doesn't my pain go away? Helping patients to help themselves: Improving the management of persistent pain; National Council for Osteopathic Research, London, *Keynote speaker*
- Driving cessation and ageing – facilitating the transfer to becoming a non-driver. Royal College of Physicians of Ireland - Masterclass series, 14 March 2017, Dublin, *Keynote speaker*
- Driving cessation and ageing – facilitating the transfer to becoming a non-driver, Clinical Update – Where Science Meets Policy in Medical Fitness to Drive; 28 January 2017, National Council for Osteopathic Research, London, UK, *Keynote speaker*
- 2016 Maintaining mobility in late life. Mobility transfer and Evaluating needs in mobility. Seminar and think tank: an occupational perspective of mobility, 5-7 December 2016, Lausanne, Switzerland, *Keynote speaker*
- Beyond our own borders - towards interdisciplinary research; the example of ageing and driving. Mini-Workshop on clinical Applications of Body Mounted Sensors, November 3rd 2016, Bern, Switzerland, *Keynote speaker*
- Le cerveau au Volant – Vieillesse et conduite - quand est-ce le bon moment d'envisager des moyens de transports alternatifs? Brain Awareness Week. Lausanne; 16 March 2016, *Keynote speaker*
- 2014 Ostéopathie et rationalité scientifique: la place des tests crâniens en ostéopathie. 2ème congrès international OSTEOBIO. Cachan-France ; 5 Apr. 2014, *Keynote speaker*

2013 Ostéopathie et rationalité scientifique: la place des tests sacro-iliaques dans le traitement ostéopathique. 8ème Symposium d'Ostéopathie - Main Libre. Lausanne-Suisse; 22 Nov. 2013, *Keynote speaker*

Obtained grants

- 2018 **Leading House for Science & Technology Cooperation**, *Program Starter Grant*, CHF 21,000, TICOM.
main applicant
- 2018 **Entrepreneuriat & technologies appropriées**, *HES-SO University fund*, CHF 100,000, SMSer.
co-applicant
- 2017 **Pénurie Proche Aidant**, *HES-SO University fund*, CHF 200,000, PauSE project.
co-applicant
- 2016 **Swiss Osteopathy Science Foundation**, *Funding Organisation*, CHF 60,000, SwissOsteoSurvey project.
Main applicant
- 2011 **BPA**, *National Prevention Organisation*, CHF 125,000, PRECASIA II project.
Co-investigator
- 2011 **Commission de prévention du DUMSC**, *Institution fund*, CHF 115,000, GARAge project.
Co-investigator
- 2009 **Swiss Academy of Medical Science**, *National fund*, CHF 25,000, DiPCare project.
Co-investigator
- 2009 **Fond pour projet interdisciplinaire de la FBM**, *University fund*, CHF 24,290, DiPCare project.
Co-investigator
- 2009 **Département de la Santé et de l'Action Sociale (Vd)**, *State fund*, CHF 33,000, DiPCare project.
Co-investigator
- 2006 **Ligue Pulmonaire Vaudoise**, *Prevention fund*, CHF 25,000, SUPPorT project.
Co-investigator
- 2006 **Migrant Friendly Hospitals**, *Research fund*, CHF 40,000, SUPPorT project.
Co-investigator

Peer reviewer

Journals

- British Medical Journal (IF=16.3)
- BMJ Open (IF=2.4)
- British Journal of General Practice (IF=2.4)
- British Journal of Occupational Therapy (IF=0.6)
- BMC Public Health (IF=2.4)
- BMC Neuroscience (IF=2.2)
- International Journal of Osteopathic Medicine (IF=0.7)
- Journal of Transport and Health (IF=0.9)
- Life Science Research (IF=0.8)
- Neuroimage Clinical (IF=4.3)
- Quality of Life Research (IF=2.4)
- Geriatrics (not yet indexed)
- Journal of Clinical Medicine (not yet indexed)
- Journal American Osteopathic Association (not indexed)
- La Revue de l'Ostéopathie (not indexed)
- Mains Libres (not indexed)

Competencies

Methodology

- Design Qualitative, Systematic review, Clinical trials (complex interventions), Clinical predictive rules, Cohort, Case-Control
- Statistical analysis Regression, Survival, Cluster, Factorial, Structural equation modelling, Neural network, Rasch

Pedagogy

- Methods E-learning, blended learning, inverted classrooms, jigsaw puzzle, student centred education
- Support Video, audio, formative MCQs, multimedia, social media

Computer skills

- Basic R, Qt, SPM
- Intermediate Matlab, SPSS, \LaTeX , Illustrator, Photoshop, Premiere
- Advanced STATA

Languages

- French Mother tongue
- English Bilingual
- German Intermediate
- Dutch Basic

Lived 7 years in Australia
Conversationally fluent
Basic words and phrases only

References

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