

Prof Pierre-Olivier Bridevaux

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TITRE & DIPLÔMES OBTENUS

2014	Professeur titulaire , Université de Genève
2011	Privat Docent , Université de Genève
2007	Master in Science, (Clinical Epidemiology) Erasmus University, Rotterdam,
2005	FMH Pneumologie
2002	Doctorat en Médecine , Université de Lausanne
2002	FMH Médecine Interne , Lausanne
1994	Diplôme de médecine , Lausanne
1987	Maturité Latine , Collège de l'abbaye, St Maurice (VS)

FORMATIONS SUPPLÉMENTAIRES

2012	Bonne pratique des essais cliniques (promoteur & investigateur), UniGE
2008	Longitudinal analyses, Southampton University, UK
2007	Generalized linear and latent mixed models (GLLAM), advanced course on multilevel modelling, Lausanne (IUMSP)

EXPÉRIENCES PROFESSIONNELLES

2006 - 2016	SAPALDIA (Swiss Study on Air Pollution and Lung Disease), Collaborateur scientifique
2011 - 2013	Service de Pneumologie, Département des Spécialités Médicales Hôpitaux Universitaires de Genève, Prof T. Rochat. Médecin adjoint agrégé
2006 – 2010	HUG, service de Pneumologie , <i>Chef de clinique</i>
2006 – 2006	Policlinique Médicale Universitaire , Lausanne, Prof J. Cornuz. <i>Chef de clinique</i>
2006 – 2006	Institut Universitaire de Médecine Sociale et Préventive , Lausanne, Prof B. Burnand et Prof J. Cornuz. <i>Chef de clinique</i>
2003 – 2006	Service de Pneumologie , (CHUV), Lausanne, Prof Ph. Leuenberger <i>Médecin assistant</i>
2001- 2003	Health Services Research & Development and Division of Pulmonary and Critical Care Medicine , Veterans Affairs Medical Center, Puget Sound Health Care System, Seattle (USA), Prof S.D. Fihn et Prof L.D. Hudson, <i>Senior fellow</i> .
2000 – 2001	Unité d'épidémiologie clinique , Institut Universitaire de Médecine Sociale et Préventive, Lausanne, Prof. B. Burnand, <i>Chef de clinique adjoint</i>
1999 – 2001	Département de Médecine Interne (CHUV) , Lausanne, Prof. P. Nicod, <i>Chef de clinique adjoint</i>
1998 – 1999	Département de Médecine Interne , Hôpital du Chablais, Monthey, Dr Laurencet et Delaloye, <i>Chef de clinique</i>
1997–1998	Département de Médecine Interne (CHUV) , Lausanne, Prof. P. Nicod, <i>Médecin assistant</i>
1996 – 1996	Unité de Pharmacologie clinique (CHUV) , Lausanne Prof. J. Biollaz, <i>médecin assistant</i>
1995 – 1996	Département de chirurgie , Hôpital du Chablais, Monthey, Dr Preitner <i>Médecin assistant</i>

DISTINCTIONS

2008	American Thoracic Society Awardee for COPD research
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SOCIÉTÉS

2005	FMH, Société Suisse de Pneumologie (SSP), European Respiratory Society
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Fonctions officielles et scientifiques actuelles

2012-	Groupe de travail de la Société Suisse de Pneumologie (SSP) « Maladie interstitielle du poumon », membre
2014-	Groupe de travail SSP «Réhabilitation ambulatoire et enseignement thérapeutique», Vice-président
2014-	Groupe de travail SSP « Asthme », membre
2016-	Groupe de travail SSP « Fonctions pulmonaires », membre
2013-	Commission médicale de la Promotion Santé Valais, Président
2012	Comité scientifique de la Société Suisse de Pneumologie (SSP),
2009 - 2013	Comité scientifique de la Ligue Pulmonaire Genevoise, membre
2007-2016	<i>Travaux d'expertise (reviewer):</i> Annals of Internal Medicine, Thorax, American Journal of Respiratory and Critical Care, Swiss Medical Weekly, International Journal of COPD, Respiratory Care, Respirology, Revue des maladies respiratoires,

Genève & Sion, le 15 septembre 2016

Pierre-Olivier Bridevaux

PUBLICATIONS LIST

Articles originaux

1. Fresard I, Licker M, Adler D, Lovis A, Triponez F, Rochat T, Kayser B, Bridevaux PO: **Preoperative Peak Oxygen Uptake in Lung Cancer Subjects With Neoadjuvant Chemotherapy: A Cross-Sectional Study.** *Respiratory Care* 2016 **in press**.
2. Licker M, Karenovics W, Diaper J, Fresard I, Triponez F, Ellenberger C, Kayser B, Bridevaux PO: **Short-term preoperative high-intensity interval training in patients awaiting lung cancer surgery: a randomized controlled trial.** *Journal of Thoracic Oncology* 2016, **Accepted september 11, 2016**.
3. Walther D, Curjoric I, Dratva J, Schaffner E, Quinto C, Rochat T, Gaspoz JM, Burdet L, Bridevaux PO, Pons M *et al*: **High blood pressure: prevalence and adherence to guidelines in a population-based cohort.** *Swiss Med Wkly* 2016, **146**:w14323.
4. Fresard I, Licker M, Adler D, Lovis A, Robert J, Karenovics W, Diaper J, Janssens JP, Triponez F, Lador F *et al*: **Preoperative Peak Oxygen Uptake in Lung Cancer Subjects With Neoadjuvant Chemotherapy: A Cross-Sectional Study.** *Respir Care* 2016, **61**(8):1059-1066.
5. Peytremann-Bridevaux I, Arditi C, Gex G, Bridevaux PO, Burnand B: **Chronic disease management programmes for adults with asthma.** *Cochrane Database Syst Rev* 2015, **5**:CD007988.
6. Bridevaux PO, Dupuis-Lozeron E, Schindler C, Keidel D, Gerbase MW, Probst-Hensch NM, Bettschart R, Burdet L, Pons M, Rothe T *et al*: **Spirometer Replacement and Serial Lung Function Measurements in Population Studies: Results From the SAPALDIA Study.** *Am J Epidemiol* 2015, **181**(10):752-761.
7. Ambrosioni J, Bridevaux PO, Aubert JD, Soccal P, Wagner G, Kaiser L: **Role of rhinovirus load in the upper respiratory tract and severity of symptoms in lung transplant recipients.** *J Clin Virol* 2015, **64**:1-5.
8. Adam M, Schikowski T, Carsin AE, Cai Y, Jacquemin B, Sanchez M, Vierkotter A, Marcon A, Keidel D, Sugiri D *et al*: **Adult lung function and long-term air pollution exposure. ESCAPE: a multicentre cohort study and meta-analysis.** *Eur Respir J* 2015, **45**(1):38-50.
9. Ambrosioni J, Bridevaux PO, Wagner G, Mamin A, Kaiser L: **Epidemiology of viral respiratory infections in a tertiary care centre in the era of molecular diagnosis, Geneva, Switzerland, 2011-2012.** *Clin Microbiol Infect* 2014.
10. Abu Hussein N, Ter Riet G, Schoenenberger L, Bridevaux PO, Chhajed PN, Fitting JW, Geiser T, Jochmann A, Joos Zellweger L, Kohler M *et al*: **The ADO index as a predictor of two-year mortality in general practice-based chronic obstructive pulmonary disease cohorts.** *Respiration* 2014, **88**(3):208-214.
11. Kherad O, Bridevaux PO, Kaiser L, Janssens JP, Rutschmann OT: **Is Acute Exacerbation of COPD (AECOPD) Related to Viral Infection Associated with Subsequent Mortality or Exacerbation Rate?** *Open Respir Med J* 2014, **8**:18-21.
12. Peytremann-Bridevaux I, Taffe P, Burnand B, Bridevaux PO, Puhon MA: **Mortality of patients with COPD participating in chronic disease management programmes: a happy end?** *Thorax* 2014, **69**(9):865-866.
13. Schikowski T, Adam M, Marcon A, Cai Y, Vierkotter A, Carsin AE, Jacquemin B, Al Kanani Z, Beelen R, Birk M *et al*: **Association of ambient air pollution with the prevalence and incidence of COPD.** *Eur Respir J* 2014, **44**(3):614-626.
14. Bridevaux PO, Aubert JD, Soccal PM, Mazza-Stalder J, Berutto C, Rochat T, Turin L, Van Belle S, Nicod L, Meylan P *et al*: **Incidence and outcomes of respiratory viral infections in lung transplant recipients: a prospective study.** *Thorax* 2014, **69**(1):32-38.
15. Boudier A, Curjoric I, Basagagna X, Hazgui H, Anto J, Bousquet J, Bridevaux P, Dupuis-Lozeron E, Garcia-Aymerich J, Kuenzli N *et al*: **10 year-follow up of cluster-based asthma phenotypes in adults. A pooled analysis of three cohorts.** *Am J Respir Crit Care Med* 2013, **Under review after revision**.
16. Bridevaux PO, Aubert JD, Soccal PM, Mazza-Stalder J, Berutto C, Rochat T, Turin L, Van Belle S, Nicod L, Meylan P *et al*: **Incidence and outcomes of respiratory viral infections in lung transplant recipients: a prospective study.** *Thorax* 2013, **69**(1):32-38.
17. Adler D, Bridevaux PO, Contal O, Georges M, Dupuis-Lozeron E, Claudel E, Pepin JL, Janssens JP: **Pulse wave amplitude reduction: a surrogate marker of micro-arousals associated with respiratory events occurring under non-invasive ventilation?** *Respir Med* 2013, **107**(12):2053-2060.
18. Schikowski T, Schaffner E, Meier F, Phuleria HC, Vierkotter A, Schindler C, Kriemler S, Zemp E, Kramer U, Bridevaux PO *et al*: **Improved air quality and attenuated lung function decline: modification by obesity in the SAPALDIA cohort.** *Environ Health Perspect* 2013, **121**(9):1034-1039.
19. Hadaya K, Bridevaux PO, Roux-Lombard P, Delort A, Saudan P, Martin PY, Janssens JP: **Contribution of interferon-gamma release assays (IGRAs) to the diagnosis of latent tuberculosis infection after renal transplantation.** *Transplantation* 2013, **95**(12):1485-1490.

20. Gerbase MW, Dupuis-Lozeron E, Schindler C, Keidel D, Bridevaux PO, Kriemler S, Probst-Hensch NM, Rochat T, Kunzli N: **Agreement between spirometers: a challenge in the follow-up of patients and populations?** *Respiration* 2013, **85**(6):505-514.
21. Thun GA, Ferrarotti I, Imboden M, Rochat T, Gerbase M, Kronenberg F, Bridevaux PO, Zemp E, Zorzetto M, Ottaviani S *et al*: **SERPINA1 PIZ and PiS heterozygotes and lung function decline in the SAPALDIA cohort.** *PLoS One* 2012, **7**(8):e42728.
22. Mehta AJ, Miedinger D, Keidel D, Bettschart R, Bircher A, Bridevaux PO, Curjurić I, Kromhout H, Rochat T, Rothe T *et al*: **Occupational exposure to dusts, gases, and fumes and incidence of chronic obstructive pulmonary disease in the Swiss Cohort Study on Air Pollution and Lung and Heart Diseases in Adults.** *Am J Respir Crit Care Med* 2012, **185**(12):1292-1300.
23. Pasquina P, Adler D, Farr P, Bourqui P, Bridevaux PO, Janssens JP: **What does built-in software of home ventilators tell us? An observational study of 150 patients on home ventilation.** *Respiration* 2012, **83**(4):293-299.
24. Fresard I, Bridevaux PO, Rochat T, Janssens JP: **Adverse effects and adherence to treatment of rifampicin 4 months vs isoniazid 6 months for latent tuberculosis: a retrospective analysis.** *Swiss Med Wkly* 2011, **141**:w13240.
25. Gerbase MW, Keidel D, Imboden M, Gemperli A, Bircher A, Schmid-Grendelmeier P, Bridevaux PO, Berger W, Schindler C, Rochat T *et al*: **Effect modification of immunoglobulin E-mediated atopy and rhinitis by glutathione S-transferase genotypes in passive smokers.** *Clin Exp Allergy* 2011, **41**(11):1579-1586.
26. Vu DL, Bridevaux PO, Aubert JD, Soccac PM, Kaiser L: **Respiratory viruses in lung transplant recipients: a critical review and pooled analysis of clinical studies.** *Am J Transplant* 2011, **11**(5):1071-1078.
27. Bridevaux PO, Tschopp JM, Cardillo G, Marquette CH, Noppen M, Astoul P, Driesen P, Bolliger CT, Froudarakis ME, Janssens JP: **Short-term safety of thoracoscopic talc pleurodesis for recurrent primary spontaneous pneumothorax: a prospective European multicentre study.** *Eur Respir J* 2011, **38**(4):770-773.
28. Licker M, Schnyder JM, Frey JG, Diaper J, Cartier V, Inan C, Robert J, Bridevaux PO, Tschopp JM: **Impact of aerobic exercise capacity and procedure-related factors in lung cancer surgery.** *Eur Respir J* 2011, **37**(5):1189-1198.
29. Curjurić I, Zemp E, Dratva J, Ackermann-Liebrich U, Bridevaux PO, Bettschart RW, Brutsche M, Frey M, Gerbase MW, Knopfli B *et al*: **Determinants of change in airway reactivity over 11 years in the SAPALDIA population study.** *Eur Respir J* 2011, **37**(3):492-500.
30. Fan VS, Bridevaux PO, McDonnell MB, Fihn SD, Besser LM, Au DH: **Regional variation in health status among chronic obstructive pulmonary disease patients.** *Respiration* 2011, **81**(1):9-17.
31. Bridevaux PO, Soccac PM, Aubert JD, Garbino J, Thomas Y, Rochat T, Rochat TS, Meylan P, Tapparel C, Kaiser L: **Upper and lower respiratory tract viral infections and acute graft rejection in lung transplant recipients.** *Clin Infect Dis* 2010, **51**(2):163-170.
32. Kherad O, Kaiser L, Bridevaux PO, Sarasin F, Thomas Y, Janssens JP, Rutschmann OT: **Upper-respiratory viral infection, biomarkers, and COPD exacerbations.** *Chest* 2010, **138**(4):896-904.
33. Bridevaux PO, Probst-Hensch NM, Schindler C, Curjurić I, Felber Dietrich D, Braendli O, Brutsche M, Burdet L, Frey M, Gerbase MW *et al*: **Prevalence of airflow obstruction in smokers and never-smokers in Switzerland.** *Eur Respir J* 2010, **36**(6):1259-1269.
34. Dratva J, Zemp E, Felber Dietrich D, Bridevaux PO, Rochat T, Schindler C, Gerbase MW: **Impact of road traffic noise annoyance on health-related quality of life: results from a population-based study.** *Qual Life Res* 2010, **19**(1):37-46.
35. Lahzami S, Bridevaux PO, Soccac PM, Wellinger J, Robert JH, Ris HB, Aubert JD: **Survival impact of lung transplantation for COPD.** *Eur Respir J* 2010, **36**(1):74-80.
36. Soccac PM, Aubert JD, Bridevaux PO, Garbino J, Thomas Y, Rochat T, Rochat TS, Meylan P, Tapparel C, Kaiser L: **Upper and lower respiratory tract viral infections and acute graft rejection in lung transplant recipients.** *Clin Infect Dis* 2010, **51**(2):163-170.
37. Probst-Hensch NM, Curjurić I, Bridevaux PO, Ackermann-Liebrich UA, Bettschart RW, Brandli O, Brutsche M, Burdet L, Gerbase MW, Knopfli B *et al*: **Longitudinal Change of Pre-Bronchodilator Spirometric Obstruction and Health Outcomes -Results from the Sapaldia Cohort.** *Thorax* 2009.
38. Clark G, Licker M, Younossian AB, Soccac PM, Frey JG, Rochat T, Diaper J, Bridevaux PO, Tschopp JM: **Titrated sedation with propofol or midazolam for flexible bronchoscopy: a randomised trial.** *Eur Respir J* 2009, **34**(6):1277-1283.
39. Kunzli N, Bridevaux PO, Liu LJ, Garcia-Esteban R, Schindler C, Gerbase MW, Sunyer J, Keidel D, Rochat T: **Traffic-related air pollution correlates with adult-onset asthma among never-smokers.** *Thorax* 2009, **64**(8):664-670.
40. Bridevaux PO, Gerbase MW, Schindler C, Dietrich DF, Curjurić I, Dratva J, Ackermann-Liebrich U, Probst-Hensch NM, Gaspoz JM, Rochat T: **Sex-specific effect of body weight gain on systemic inflammation in subjects with COPD: results from the SAPALDIA cohort study 2.** *Eur Respir J* 2009, **34**(2):332-339.
41. Garbino J, Soccac PM, Aubert JD, Rochat T, Meylan P, Thomas Y, Tapparel C, Bridevaux PO, Kaiser L: **Respiratory viruses in bronchoalveolar lavage: a hospital-based cohort study in adults.** *Thorax* 2009, **64**(5):399-404.
42. Triverio PA, Bridevaux PO, Roux-Lombard P, Niksic L, Rochat T, Martin PY, Saudan P, Janssens JP: **Interferon-gamma release assays versus tuberculin skin testing for detection of latent tuberculosis in chronic haemodialysis patients.** *Nephrol Dial Transplant* 2009, **24**(6):1952-1956.
43. Felber Dietrich D, Gemperli A, Gaspoz JM, Schindler C, Liu LJ, Gold DR, Schwartz J, Rochat T, Barthelemy JC, Pons M *et al*: **Differences in heart rate variability associated with long-term exposure to NO₂.** *Environ Health Perspect* 2008, **116**(10):1357-1361.
44. Bridevaux PO, Gerbase MW, Probst-Hensch NM, Schindler C, Gaspoz JM, Rochat T: **Long-term decline in lung function, utilisation of care and quality of life in modified GOLD stage 1 COPD.** *Thorax* 2008, **63**(9):768-774.
45. Peytremann-Bridevaux I, Staeger P, Bridevaux PO, Ghali WA, Burnand B: **Effectiveness of chronic obstructive pulmonary disease-management programs: systematic review and meta-analysis.** *Am J Med* 2008, **121**(5):433-443 e434.
46. Garbino J, Inoubli S, Mossdorf E, Weber R, Tamm M, Soccac P, Aubert JD, Bridevaux PO, Tapparel C, Kaiser L: **Respiratory viruses in HIV-infected patients with suspected respiratory opportunistic infection.** *AIDS* 2008, **22**(6):701-705.

47. Puhan MA, Gaspoz JM, Bridevaux PO, Schindler C, Ackermann-Lieblich U, Rochat T, Gerbase MW: **Comparing a disease-specific and a generic health-related quality of life instrument in subjects with asthma from the general population.** *Health Qual Life Outcomes* 2008, **6**:15.
48. Bridevaux PO, Cornuz J, Gaspoz JM, Burnand B, Ackermann-Lieblich U, Schindler C, Leuenberger P, Rochat T, Gerbase MW: **Secondhand smoke and health-related quality of life in never smokers: results from the SAPALDIA cohort study 2.** *Arch Intern Med* 2007, **167**(22):2516-2523.
49. Bridevaux PO, Fitting JW, Fellrath JM, Aubert JD: **Inter-observer agreement on apnoea hypopnoea index using portable monitoring of respiratory parameters.** *Swiss Med Wkly* 2007, **137**(43-44):602-607.
50. Rutschmann OT, Cornuz J, Poletti PA, Bridevaux PO, Hugli OW, Qanadli SD, Perrier A: **Should pulmonary embolism be suspected in exacerbation of chronic obstructive pulmonary disease?** *Thorax* 2007, **62**(2):121-125.
51. Fan VS, Bryson CL, Curtis JR, Fihn SD, Bridevaux PO, McDonnell MB, Au DH: **Inhaled corticosteroids in chronic obstructive pulmonary disease and risk of death and hospitalization: time-dependent analysis.** *Am J Respir Crit Care Med* 2003, **168**(12):1488-1494.
52. Probst-Hensch NM, Curjuric I, Bridevaux PO, Kunzli N, Schindler C, Rochat T: **Authors' response.** *Thorax* 2010.
53. Bridevaux PO, Aubert JD, Rochat T, Nicod L, Kaiser L: **Response To Preiksaitis and Limaye.** *Thorax* 2014, **69**(1):82-83.
54. Bridevaux PO, Gerbase MW, Rochat T: **GOLD stage 1 is crying wolf.** *Thorax* 2009, **64**(2):183-.

Articles de revue

55. Vremarioiu P, Gex G, Bridevaux P-O: **Bronchodilatation during spirometry: indications, realization and interpretation.** *Rev Med Suisse* 2016, **12**(1-5).
56. Licker M, Triponez F, Diaper J, Barenovics W, PO B: **Preoperative Evaluation of Lung Cancer Patients.** *Curr Anesthesiol Rep* 2014.
57. Fresard I, Adler D, Bhatia C, Licker M, Triponez F, Robert J, Bridevaux PO: **[Should cardiopulmonary rehabilitation be provided to patients with lung cancer?].** *Rev Med Suisse* 2013, **9**(381):758, 760-753.
58. Bridevaux P: **SURF Guide médical thérapeutique, Médecine&hygiène** edn: Médecine&hygiène; 2012.
59. Kherad O, Bridevaux PO, Kaiser L, Janssens JP, Rutschmann O: **[Viral infection in acute exacerbation of COPD].** *Rev Med Suisse* 2012, **7**(317):2222-2226.
60. Younossian AB, Adler D, Bridevaux PO, Kherad O: **[Postoperative pulmonary complications: how to anticipate and prevent the risk?].** *Rev Med Suisse* 2012, **7**(317):2214, 2216-2219.
61. Rochat T, Bridevaux PO, Gerbase M, Probst-Hensch N, Kunzli N: **[What is the role of outdoor air pollution in asthma?].** *Rev Med Suisse* 2012, **8**(363):2233-2236.
62. Samaras N, Samaras D, Lang PO, Bridevaux PO, Gex G, Janssens JP, Pichard C: **[Chronic obstructive pulmonary disease: risk and benefit of testosterone therapy].** *Rev Med Suisse* 2012, **8**(363):2224-2227.
63. Bridevaux PO, Rochat T: **[COPD 2011: are there other risk factors than tobacco?].** *Rev Med Suisse* 2011, **7**(317):2232-2235.
64. Younossian AB, Adler D, Bridevaux PO, Kherad O: **[Postoperative pulmonary complications: how to anticipate and prevent the risk?].** *Rev Med Suisse* 2011, **7**(317):2214, 2216-2219.
65. Jayet PY, Bridevaux PO, Zellweger JP: **[ETS and respiratory health in adults: a real threat].** *Rev Med Suisse* 2008, **4**(180):2494-2496, 2498-2499.
66. Bridevaux PO, Leuenberger P: **[Do inhaled corticosteroids reduce mortality in chronic obstructive pulmonary disease?].** *Rev Med Suisse* 2005, **1**(41):2673-2674, 2677-2679.

Thèses, recommandations de pratique clinique, chapitre de livre

67. Bridevaux PO: **Broncho-pneumopathie chronique obstructive in COMPAS.** In: *COMPAS* Edited by Hygiène M; 2013.
69. Bridevaux PO: **Prevalence of COPD in Switzerland & Europe.** Privat Docent Thesis; Geneva: University of Geneva, 2010.
70. Bridevaux P, MD. S, Burnand B, Cornuz J: **Exacerbation de BPCO, recommandation de pratique clinique.** In: *Intranet CHUV.* 2001.
71. Bridevaux.P-O: **Adaptation rénale à la haute altitude.** Thèse, Université de Lausanne 2001, Direction Prof J. Biollaz