

# DR ALAIN VONLAUFEN

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## **ABSTRACTS - PRESENTATIONS ORIGINALES (sélection)**

**Vonlaufen A**, Aurrand-Lions M, Pastor CM, Morel P, Hadengue A, Imhof BA, Frossard JL. Protective effect of a monoclonal antibody directed against JAM-C in cerulein-induced pancreatitis in mice. Poster, Digestive Diseases Week, May 2005, Chicago, Illinois.

**Vonlaufen A**, Aurrand-Lions M, Pastor CM, Morel P, Hadengue A, Imhof BA, Frossard JL. Role of Junctional Adhesion Molecule-C in acute pancreas. Poster, Annual Meeting of the American Pancreatic Association, November 2005, Chicago, Illinois.

**Vonlaufen A**, Xu Z, Daniel B, Joshi S, Kumar RK, Pirola R, Wilson JS, Apte MV. Bacterial endotoxin – a trigger factor for alcoholic pancreatitis ? Evidence from a novel, physiologically relevant animal model. Oral presentation at the Annual Meeting of the American Pancreatic Association, November 2006, Chicago, Illinois

Joshi S, **Vonlaufen A**, Xu Z, Daniel B, Qu C, Kumar RK, Pirola R, Wilson JS, Goldstein D, Apte MV. Pancreatic Stellate Cells Stimulate Pancreatic Cancer Growth and Metastasis: Findings of a Novel Orthotopic Model of Pancreatic Cancer. Oral presentation at the Annual Meeting of the American Pancreatic Association, November 2006, Chicago, Illinois. (Hirshberg Award for Best Research Abstract in Pancreatic Cancer).

Xu X, **Vonlaufen A**, Qu CF, Pirola RC, Wilson JS, Apte MV. Do pancreatic stellate cells play a role in exocrine pancreatic secretion? Poster Presentation, Digestive Diseases Week, May 2007, Washington, DC.

**Vonlaufen A**, Xu Z, Daniel B, Joshi S, Kumar RK, Pirola R, Wilson JS, Apte MV. Bacterial endotoxin – a trigger factor for alcoholic pancreatitis ? Evidence from a novel, physiologically relevant animal model. Oral presentation at the Hepatology and Luminal Research Workshop, GESA, Pokolbin, NSW, 1 – 3 June 2007.

**Vonlaufen A**, Joshi S, Qu CF, Phillips P, Xu Z, Parker N, Pirola R, Wilson JS, Goldstein D, Apte MV. Pancreatic Stellate Cells Stimulate Pancreatic Cancer Growth and Metastasis: Findings of a Novel Orthotopic Model of Pancreatic Cancer. Oral presentation at the Annual Meeting of the Swiss Society for Gastroenterology, Lausanne, September 2007.

**Vonlaufen A**, Joshi S, Qu CF, Phillips P, Xu Z, Parker N, Pirola R, Wilson JS, Goldstein D, Apte MV. Pancreatic Stellate Cells Stimulate Pancreatic Cancer Growth and Metastasis: Findings of a Novel Orthotopic Model of Pancreatic Cancer. Oral presentation at the Australian Gastroenterology Week, October 2007.

**Vonlaufen A**, Xu Z, Yang L, Phillips P, Pirola RC, Wilson JS, Apte MV. Isolation of quiescent (normal) human pancreatic stellate cells : a useful in vitro tool for studies of pancreatic stellate cell biology. Poster presentation at the Annual Meeting of the American Pancreatic Association, November 2007, Chicago, Illinois.

**Vonlaufen A**, Xu Z, Yang L, Phillips PA, Zhang X, Pirola RC, Wilson JS and Apte MV. Abstinence promotes regression while continued alcohol intake promotes persistence of LPS-induced pancreatic injury in alcohol-fed rats. Poster presentation at the RSA/ISBRA Meeting, 28 June – 2 July 2008, Washington, DC.

**Vonlaufen A**, Xu Z, Yang L, Phillips PA, Zhang X, Pirola RC, Wilson JS and Apte MV. Abstinence promotes regression while continued alcohol intake promotes persistence of LPS-induced pancreatic injury in alcohol-fed rats. Poster presentation at the Digestive Diseases Week, May 2009, New Orleans, Louisiana.

Yang L\*, Phillips PA\*, **Vonlaufen A**, Kaplan W#, Cowley M#, Pirola R, Wilson J, and Apte MV (\* equal contribution). Collagen I increases the expression of Transgelin and Lumican (regulators of cell migration) by pancreatic stellate cells. Oral presentation at the Australian Gastroenterology Week, October 2010.

**Vonlaufen A\***, Bihl F\*, Genevay-Infante M, Dayer E, Mentha G, Giostra E, Hadengue A, Rubbia-Brandt L, Frossard Jean-Louis (\*equal contribution). Prevalence of IgG4-related cholangitis in liver transplant recipients with an initial diagnosis of primary sclerosing cholangitis. Poster presentation, annual meeting of the Swiss Society of Gastroenterology, Lausanne, Switzerland, September 2011.

### **SEMINAIRES (sélection)**

- « Molécule d'adhésion jonctionnelle – C : un vent frais dans l'inflammation ». Colloque hebdomadaire du service de gastroentérologie. 14 janvier 2003. Hôpitaux Universitaires de Genève, Suisse.
- « Fièvre d'origine indéterminée ». Colloque hebdomadaire du service de gastroentérologie. 25 mars 2003. Hôpitaux Universitaires de Genève, Suisse.

- « Sondes de nutrition entérale ». Colloque hebdomadaire des infirmiers du service de gastroentérologie. 23 juin 2003. Hôpitaux Universitaires de Genève, Suisse.
- « Manifestations extradigestives du reflux gastrooesophagien ». Colloque hebdomadaire du service de gastroentérologie. 27 octobre 2004. Hôpitaux Universitaires de Genève, Suisse.
- « About pancreatic fibrosis and stellate cells ». Colloque hebdomadaire du service de gastroentérologie. 22 février 2005. Hôpitaux Universitaires de Genève, Suisse.
- « Diarrhée chronique ». Séminaire de préparation aux examens FMH de médecine interne. 11 mai 2005. Clinique de Médecine, Hôpitaux Universitaires de Genève, Suisse.
- « Junctional Adhesion Molecule – C : A new target for the treatment of acute pancreatitis ? » Conjoint Meeting, South Western Sydney Area Gastroenterology . 30 novembre 2005. Bankstown-Lidcombe Hospital, Sydney, Australie.
- « Junctional Adhesion Molecule – C : From plastic to the pancreas ». Pathology Seminar Series, 11 avril 2006. School of Medical Sciences. The University of New South Wales. Sydney, Australie.
- « Pancreatitis : Role of alcohol, endotoxin and stellate cells ». Inflammatory Diseases Research Unit (IDRU) Seminars. 7 juin 2006. School of Medical Sciences. The University of New South Wales. Sydney, Australie.
- « Is Endotoxin a Trigger Factor for alcoholic pancreatitis ? Dean's seminar series, 31<sup>st</sup> of May 2007. South Western Sydney Clinical School, Liverpool Hospital.
- The Battle-Scarred Pancreas : Role of Pancreatic Stellate Cells. 7 June 2007. Grand rounds, Gastroenterology Unit, Concord Hospital, Sydney, Australia.
- The Battle-Scarred Pancreas : Novel insights into the pathophysiology of alcoholic pancreatitis and pancreatic cancer. 26 June 2007. Division of Gastroenterology, University Hospital, Geneva, Switzerland.
- « Alcohol, Endotoxin and the Pancreas. To drink or not to drink...is that the question ? ». Inflammatory Diseases Research Unit (IDRU) Seminars. 13 March 2008. School of Medical Sciences. The University of New South Wales. Sydney, Australia.

- « *Alcohol, Endotoxin and the Pancreas. To drink or not to drink...is that the question ?* ». Clinical Associate Dean's Seminar Series. 18 June 2008. Liverpool Hospital, Sydney, Australia.
- « *Regeneration of the Pancreas* ». Australasian Pancreatic Club – Annual Meeting of the Australian Health and Medical Research Council. 17 November 2008. Brisbane, Australia.
- « *Pancréatite alcoolique : Nouveautés en clinique et en recherche* ». Colloque hebdomadaire du service de gastroentérologie. 27 avril 2010. Hôpitaux Universitaires de Genève, Suisse.
- « *Mutations génétiques et cancer du pancréas : Epine irritative ou facteur étiologique ?* ». Colloque hebdomadaire du service de gastroentérologie. 1<sup>er</sup> février 2011. Hôpitaux Universitaires de Genève, Suisse.
- « *Autoimmune pancreatitis or IgG4-related autoimmune disease* ». Journées romandes d'hépatologie, Neuchâtel, 17 mars 2011.
- Cancer du pancréas : A propos de 2 cas. 1<sup>ère</sup> journée médicale de l'hôpital de la Tour, Genève, 21 mars 2013.
- Collque Digestif : Que faire devant une lésion kystique pancréatique ? Salle de Conférence HEDS, Genève, 5 mai 2022.

## **PUBLICATIONS SCIENTIFIQUES**

### a) Journaux à politique éditoriale (sélection)

Garrido-Urbani S, **Vonlaufen A**, Stalin J, De Grandis M, Ropraz P, Jemelin S, Bardin F, Scheib H, Aurrand-Lions M, Imhof BA. Junctional adhesion molecule- C (JAM-C) dimerization aids cancer cell migration and metastasis. *Biochim Biophys Acta Mol Cell Res* 2018; 1865 (4): 638-649.

**Vonlaufen A**, Spahr L, Apte MV, Frossard JL. Alcoholic pancreatitis : A tale of sprirts and bacteria. *World J Gastrointest Pathophysiol* 2014 ; 5 (2) : 82 - 90.

**Vonlaufen A**, Phillips PA, Xu Z, Zhang X, Yang L, Pirola RC, Wilson JS, Apte MV. Withdrawal of alcohol promotes regression while continued alcohol intake promotes persistence of LPS-induced pancreatic injury in alcohol-fed rats. *Gut* 2011 ; 60 (2) : 238-46.

Pastor CM, Morel DR, **Vonlaufen A**, Schiffer E, Lescuyer P, Frossard JL. Delayed production of IL-18 in lungs and pancreas of rats with acute

pancreatitis. *Pancreatology* 2010 ; 10 (6) : 752-7.

Phillips PA, Yang L, Shulkes A, **Vonlaufen A**, Poljak A, Bustamante S, Waren A, Xu Z, Guilhaus M, Pirola R, Apte MV, Wilson JS. Pancreatic Stellate Cells Synthesize and Secrete Acetylcholine: A Potential Role in Exocrine Pancreatic Secretion. *PNAS* 2010; 107 (40): 17397-402.

Xu Z, **Vonlaufen A**, Phillips PA, Fiala-Bear E, Zhang X, Yang L, Biankin AV, Goldstein D, Pirola RC, Wilson JS, Apte MV. Role of Pancreatic Stellate Cells in Pancreatic Cancer Metastasis. *Am J Pathol* 2010 ; 177 (5) : 2585-96.

**Vonlaufen A**, Phillips PA, Yang L, Xu Z, Zhang X, Pirola RC, Wilson JS, Apte MV. Isolation of Quiescent Normal Human Pancreatic Stellate Cells (NhPSCs): A Promising In Vitro Tool for Studies of hPSC Biology. *Pancreatology* 2010 ; 10 (4) : 434-43.

**Vonlaufen A**, Wilson JS, Apte MV. Molecular mechanisms of pancreatitis : Current opinion. *J Gastroenterol Hepatol* 2008; 23(9) : 1339-48.

**Vonlaufen A**, Phillips PA, Xu Z, Goldstein D, Pirola RC, Wilson JS, Apte MV. Pancreatic stellate cells and pancreatic cancer cells : An unholy alliance. *Cancer Res* 2008 ; 68(19) : 7707-10.

**Vonlaufen A**, Joshi S, Qu C, Phillips PA, Xu Z, Parker NR, Toi CS, Pirola RC, Wilson JS, Goldstein D, Apte MV. Pancreatic stellate cells : partners in crime with pancreatic cancer cells. *Cancer Res* 2008 ; 68(7) : 2085-93.

**Vonlaufen A**, Xu Z, Daniel B, Kumar RK, Pirola RC, Wilson JS, Apte MV. Bacterial endotoxin – a trigger for alcoholic pancreatitis ? Evidence from a novel physiologically relevant animal model, *Gastroenterology* 2007 ; 133(4) : 1293 – 303.

**Vonlaufen A**, Apte MV, Imhof BA, Frossard JL. Role of inflammatory and parenchymal cells in acute pancreatitis, *J Pathol* 2007 ; 213(3) : 239-48.

Planchamp C, Hadengue A, Stieger B, Bourquin J, **Vonlaufen A**, Frossard JL, Qaudri R, Lamicela C, Becker CD, Pastor CM. Simultaneous analysis of the function of both sinusoidal and canalicular transporters determines the concentration of organic anion within hepatocytes. *Mol Pharmacol* 2007. 71(4) : 1089 – 97.

Dumonceau JM, **Vonlaufen A**. Endoscopy essentials : Pancreatic ERCP. *Endoscopy* 2007 ; 39(2) : 124 – 30.

**Vonlaufen A**, Wilson JS, Pirola RC, Apte MV. Role of alcohol metabolism in chronic pancreatitis. *Alc Res Health* 2007 ; 30(1):48-54.

De Gottardi A, Dumonceau JM, Bruttin F, **Vonlaufen A**, Morard I, Spahr L, Rubbia-Brandt L, Frossard JL, Dinjens WNM, Rabinovitch PS, Hadengue A. Expression of the bile acid receptor FXR in Barrett's esophagus and enhancement of apoptosis by guggulsterone in vitro. *Mol Cancer* 2006 ; 20 : 5 : 48.

**Vonlaufen A**, Aurrand-Lions M, Pastor CM, Lamagna C, Hadengue A, Imhof BA, Frossard JL. Role of Junctional Adhesion Molecule-C (JAM-C) in acute pancreatitis. *J Pathol* 2006. 20 (4) : 540-8.

Frossard JL, Morel P, Kwak B, Pastor CM, Berney T, Buhler L, **Vonlaufen A**, Chanson M, Demulder S, Mach F. Soluble CD40 Ligand in the Prediction of Acute Severe Pancreatitis. *WJG* 2006 ; 12(10) : 1613-16.

Pastor CM, **Vonlaufen A**, Georgi F, Hadengue A, Morel P, Frossard JL. Neutrophil depletion – but not prevention of Kupffer cell activation – decreases the severity of cerulein-induced acute pancreatitis. *WJG* 2006 ; 12(6) : 915-20.

**Vonlaufen A**, Wiedle G, Borisch B, Birrer S, Luder P, Imhof BA. Integrin  $\alpha v \beta 3$  Expression in Colon Carcinoma Correlates with Survival. *Mod Pathol* 2001 ; 14 (11) : 1126 – 1132.

b) Journaux sans politique éditoriale

**Vonlaufen A**, Troillet FX, Armenian B. Screening for colorectal cancer : recommendations. *Rev Med Suisse* 2013 ; 9(381) : 754-7.

**Vonlaufen A**, Frossard JL. Autoimmune pancreatitis. *Rev Med Suisse* 2010 ; 6(261) : 1662-6.

Nguyen-Tang T, Negrin DS, **Vonlaufen A**, Frossard JL. Drug-induced pancreatitis. *Rev Med Suisse* 2007 ; 3(123) : 1944-7.

**Vonlaufen A**, Nguyen-Tang T, Morard I, De Gottardi A, Giostra E. Transporteurs des acides biliaires : fonction, régulation et pathologies associées. *Médecine & Hygiène* 2004 ; 2467 : 238 - 41.

Frossard J L, **Vonlaufen A**, Felley C, Dumonceau JM. Diagnostic et bilan étiologique d'une pancréatite aiguë. *Médecine & Hygiène* 2002 ; 2422 : 229 – 33.

**Vonlaufen A**, Savoy J, Nicole A, Regamey C. Vasculite de Churg-Strauss et antagonistes des récepteurs des leucotriènes. *Revue Médicale de la Suisse Romande* 2001 ; 121 : 577 – 580.

## **THESES**

Doctorat en Médecine : « Expression de molécules d'adhésion vasculaire de carcinomes colo-rectaux : Corrélation avec l'intervalle sans récidive et la présence de métastases »

Doctorat ès Sciences (PhD) : « Alcohol, Endotoxin and the Pancreas (Induction, Progression and Reversibility of Alcoholic Pancreatitis) »