PART 1. Classification of the scientific journals

We present below a series of four tables to guide the reader through the scientific production of STIM members. Between 2011 and June 2016, ***120 articles*** *have been published, or are in press, in* ***79 different journals****. They are listed in tables with their respective IF.*

Table 1 *presents articles published in disciplinary journals. In this category, 55 articles have been published* ***(46% of our total production)*** *in journals specialized in areas such as physiology, electrophysiology, ion channels, pharmacology, intracellular trafficking, cell signalisation and human pathologies (Cardiopathies, Cystic fibrosis, Cancer).*

Table 2 *lists multidisciplinary journals or of general interest in which we published 26 articles* ***(21%)****.*

Table 3 *lists journals of various research fields in which we published only one article, mostly through collaborations. We published 25 papers in this category* ***(21%)****.*

Finally, ***Table 4*** *lists journals of chemistry in collaboration with chemists. We published 14 papers in this category* ***(12%)****.*

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Table 1 : Publications in Scientific Disciplinary Journals

Number of articles	Journal Name	IF
2	European Respiratory Journal	**7.63**
2	Stem Cells	**7.5**
3	Oncotarget	**6.35**
2	Hum Molec Genet	**5.98**
1	Journal of Molecular and Cellular Cardiology	**5.2**
1	Heart Rhythm	**5.1**
1	International Journal of Cancer	**5.1**
2	Journal of Physiology	**5.0**
1	British Journal of Pharmacology	**4.84**
1	Molecular Carcinogenesis	**4.8**
1	Cellular Physiology and Biochemistry	**4.65**
2	Traffic	**4.7**
1	Stem cells and Development	**4.0**
1	American Journal of Respiratory Cellular and Molecular Biology	**3.98**
3	Frontiers in Pharmacology	**3.9**
1	Journal of Pharmacology and Experimental Therapeutics	**3.9**
8	Biochimica et Biophysica Acta - Biomembranes	**3.83**
4	Journal of Cystic Fibrosis	**3.82**
3	American Journal of Physiology	**3.8**
1	Cell Biochemistry and Biophysics	**3.7**
1	Frontiers in Physiology	**3.5**
4	Cell Calcium	**3.5**
1	Journal of Cardiovascular Electrophysiology	**3.2**
2	Journal of Ethnopharmacology	**3.0**
1	Pulmonary Pharmacology and Therapeutics	**2.93**
1	Journal of Comparative Physiology	**2.6**
2	European Journal of Pharmacology	**2.53**
1	Cancer Medicine	**2.5**
1	Physiology Research	**1.7**
1	Annals of Noninvasive Electrocardiology	**1.1**

Table 2 : Publications in Multidisciplinary Scientific Journals		
Number of articles	**Journal Name**	**IF**
1	Nature Reviews Cancer	**37.4**
1	Science	**31.0**
1	Trends in Cell Biology	**13.52**
1	EMBO Journal	**10.4**
2	Blood	**10.45**
1	EMBO Molecular Medicine	**8.66**
2	FASEB Journal	**5.6**
2	Journal of Cell Science	**5.43**
1	Biochimica et Biophysica Acta – Molecular Cell Research	**4.88**
1	Biochimica et Biophysica Acta - General Subject	**4.4**
6	PLos One	**4.4**
2	Cell Tissue Research	**3.565**
2	FEBS Letters	**3.16**
3	Biochemical and Biophysical Research Communications	**2.3**

Table 3 : Publications in Different Scientific Fields		
Number of articles	**Journal Name**	**IF**
1	Autophagy	**11.75**
1	American Journal of Human Genetics	**10.93**
1	American Journal of Transplantation	**6.19**
1	Movement Disorders	**5.68**
1	Journal of Molecular Diagnostics	**4.85**
1	Thyroid	**4.49**
1	Journal of Innate Immunity	**4.35**
1	Journal of Neurochemistry	**4.28**
1	Frontiers in Cellular Neuroscience	**4.2**
1	Journal of Natural Products	**3.79**
1	Current Molecular Medicine	**3.6**
1	Clinical Experimental Metastasis	**3.49**
1	Food Chemistry	**3.4**
1	Human Mutation	**3.34**
1	Journal of Neuro-oncology	**3.21**
1	Journal of Biomedicine and Biotechnology	**3.1**
1	Leukemia Research	**2.9**
1	Biology of the Cell	**2.55**
1	MicrobiologyOpen	**2.21**
1	Gene	**2.13**
1	Evidence-Based Complementary and Alternative Medicine	**2.0**
1	Advances in Experimental Medicine and Biology	**1.9**
1	Evolution	
1	Small GTPases	
1	EBioMedicine	

Table 4 : Publications in Scientific Journals of Chemistry		
Number of articles	**Journal Name**	**IF**
1	Angewandte Chemie International Edition	**11.26**
1	Journal of Medicinal Chemistry	**5.45**
1	Journal of Organic Chemistry	**4.72**
4	Organic and Biomolecular Chemistry	**3.56**
3	European Journal of Medicinal Chemistry	**3.44**
1	ChemBioChem	**3.08**
1	ChemMedChem	**2.96**
1	Tetrahedron Letters	**2.37**
1	Bioorganic and Medicinal Chemistry Letters	**2.4**

PART 2. Scientific production by team and categories of publication

Team 1: TIRC (Transferts Ioniques et Rythmicité Cellulaire)
Team 2: 4CS (Canaux et Connexines dans les Cancers et les Cellules Souches)
Team 3: TIME (Transports Ioniques et Dynamique Membranaire de l'Epithélium, Mucoviscidose (TIME)

In this Part 2, the scientific production of our laboratory is presented by team in the following order (Names of STIM members are in bold and underlined):

- *Scientific publications in peer reviewed journals*
- *Invited conferences*
- *Communications with published abstracts*
- *Oral communications without publication*
- *Dissemination of scientific culture*

Then we listed the publications (10% of the global production) in which co-authors of at least two different teams of STIM collaborated.

Finally, we present the scientific production of Dr Aubin Penna who will join the laboratory in September 2016.

Team 1: TIRC

Scientific publications in peer reviewed journals

1. Marra S, **Ferru-Clément R**, Breuil V, Delaunay A, Christin M, Friend V, **Sebille S, Cognard C**, **Ferreira T**, Roux C, Euller-Ziegler L, Noel J, Lingueglia E, Deval E. Non-acidic activation of pain-related Acid-Sensing Ion Channel 3 by lipids. ***EMBO J*** Feb 15;35(4):414-28. doi: 10.15252/embj.201592335. Epub 2016 Jan 15. ***(IF: 10.4)***
2. **Aguettaz E**, Lopez JJ, **Krzesiak A**, **Cognard C**, **Constantin B**, **Sebille S**. Axial stretch-dependent calcium increases in dystrophic cardiomyopathy ***Cell Calcium, Data In Brief***, *(in press)* ***(IF: 3.5)***
3. **Aguettaz E**, Lopez JJ, **Krzesiak A**, Lipskaia L, Adnot S, Hajjar RJ, **Cognard C**, **Constantin B**, **Sebille S.** Axial stretch-dependent cation entry in dystrophic cardiomyopathy: involvement of several TRPs channels. ***Cell Calcium*** *Apr;59(4):145-55.* ***(IF: 3.5)***
4. **Pasqualin C, Gannier F, Yu A, Malécot CO, Bredeloux P, Maupoil V**. SarcOptiM for ImageJ: high frequency online sarcomere length computing on stimulated cardiomyocytes. **Am J Physiol Cell Physiol,** *DOI: 10.1152/ajpcell.00094.2016*
5. **Carré G**, Ouedraogo M, **Magaud C**, Carreyre H, **Becq F**, **Bois P**, Supuran CT, Thibaudeau S, **Vandebrouck C, Bescond J**. Vasorelaxation induced by dodoneine is mediated by calcium channels blockade and carbonic anhydrase inhibition on vascular smooth muscle cells. ***Journal of Ethnopharmacology*** *2015, 169 : 8-17.* ***(IF: 3)***

6. **Malécot CO,** Bredeloux P, **Findlay I, Maupoil V.** A TTX-sensitive resting Na^+ permeability contributes to the catecholaminergic automatic activity in rat pulmonary vein. ***Journal of Cardiovascular Electrophysiology*** *2015, 26 : 311-319.* ***(IF: 3.2)***
7. **Mercier A, Clément R, Harnois T, Bourmeyster N, Bois P, Chatelier A.** Nav1.5 channels can reach the plasma membrane through distinct N-glycosylation states. ***BBA*** *2015, 1850(6): 1215-23.* ***(IF: 4.4)***
8. **Moubarak M, Magaud C**, Saliba Y, **Chatelier A, Bois P, Faivre JF**, N. Fares. Effects of atrial natriuretic peptide on rat ventricular fibroblasts during differentiation into myofibroblasts. ***Physiol Res****. 2015, 64(4): 495-503.* ***(IF: 1.7)***
9. Pambrun T, Bortone A, **Bois P,** Degand B, Patri S, **Mercier A,** Chahine M, **Chatelier A**, Coisne D, Amiel A. Unmasked Brugada Pattern by Ajmaline Challenge in Patients with Myotonic Dystrophy Type 1. ***Ann Noninvasive Electrocardiol.*** *2015, 20(1):28-36.* ***(IF: 1.1)***
10. **Pasqualin C**, Gannier F, **Malécot C. O.,** Bredeloux P, **Maupoil V.** Automatic quantitative analysis of t-tubule organization in cardiac myocytes using ImageJ. ***Am J Physiol Cell Physiol*** *2015, 308: C237-C345.* ***(IF: 3.8)***
11. **EL Chemaly A, Norez C, Magaud C, Bescond J, Chatelier A,** Fares N, **Findlay I,** Jayle C, **Becq F, Faivre JF, Bois P.** ANO1 contributes to Angiotensin-II-activated Ca^{2+}-dependent Cl^- current in human atrial fibroblasts. ***J Mol Cell Cardiol.*** *2014, 68:12-9.* ***(IF: 5.2)***
12. Pambrun T**, Mercier A, Chatelier A,** Patri S, Schott JJ, Le Scouarnec S, Chahine M, Degand B, **Bois P.** Myotonic dystrophy type 1 mimics and exacerbates Brugada phenotype induced by Nav1.5 sodium channel loss of function mutation. ***Heart Rhythm.*** *2014, 11(8): 1393-400.* ***(IF: 5.1)***
13. **Norez C, Vandebrouck C, Noel S**, Durieu E, Outama N, Galons H, **Antigny A, Chatelier A, Bois P**, Meijer L, **Becq F**. Roscovitine is a proteostasis rescuing the trafficking defect of F508del-CFTR by a CDK-independent mechanism of action. ***British J Pharmacol,*** *2014 Nov; 171(21): 4831-49.* ***(IF 4.84)***
14. **Carré G,** Carreyre H, Ouedraogo M, **Becq F, Bois P,** Thibaudeau S, **Vandebrouck C, Bescond J.** The hypotensive agent dodoneine inhibits L-type Ca^{2+} current with negative inotropic effect on rat heart. ***Eur J Pharmacol.*** *(2014) 728C:119-127****.*** ***(IF: 2.5)***
15. Carreyre H, Coustard JM, **Carré G, Vandebrouck C, Bescond J**, Ouédraogo M, Marrot J, Vullo D, Supuran CT, Thibaudeau S. Natural product hybrid and its superacid synthesized analogues: dodoneine and its derivatives show selective inhibition of carbonic anhydrase isoforms I, III, XIII and XIV. ***Bioorg Med Chem.*** *2013, 21(13): 3790-4.* ***(IF: 2.4)***
16. **Clarhaut J, Fraineau S,** Guilhot J, Tranoy-Opalinski I, Thomas M, Renoux B, **Peraudeau E**, Randriamalala E, **Bois P, Chatelier A, Monvoisin A, Cronier L,** Papot S, Guilhot F. A Galactosidase-Responsive Doxorubicin-Folate Conjugate for Selective Targeting of Acute Myelogenous Leukemia Blasts. ***Leukemia Research*** *2013, 37: 948-955.* ***(IF: 2.9)***
17. **Harisseh R, Chatelier A, Magaud C, Déliot N, Constantin B**. Involvement of TRPV2 and SOCE in calcium influx disorder in DMD primary human myotubes with a specific contribution of Alpha1-syntrophin and PLC/PKC in SOCE regulation. ***American Journal of Physiology : Cell Physiology,*** *2013, 304(9):C881-94.* ***(IF: 3.8)***
18. Imbert-Auvray N, Mercier C, Huet V, **Bois P.** Sarcoplasmic reticulum – key factor in cardiac contractility of sea bass dicentrarchus labrax and dover sole solea solea during thermal acclimations. ***Journal of Comparative Physiology*** *2013, 183:477-489.* ***(IF: 2.6)***
19. **Lorin C,** Gueffier M**, Faivre JF, Bois, P, Cognard C, Sebille S.** Ultrastructural and functional alterations of EC coupling elements from membrane surface to depth in mdx cardiomyocytes. ***Cell Biochem Biophys*** *2013, 66(3): 723-736.* ***(IF: 3.7)***

20. Ouedraogo M, Da FL, Fabré A, Konaté K, Dibala CI, Carreyre H, Thibaudeau S, Coustard JM, **Vandebrouck C, Bescond J**, Belemtougri RG. Evaluation of the Bronchorelaxant, Genotoxic, and Antigenotoxic Effects of Cassia alata L. ***Evid Based Complement Alternat Med*** *2013:162651.* ***(IF: 2).***
21. **Chatelier A, Mercier A**, Tremblier B, Thériault O, **Moubarak M, Benamer N,** Corbi P, **Bois P,** Chahine M, **Faivre J.F.** A distinct de-novo expression of Nav1.5 sodium channel in human atrial fibroblasts differentiated into myofibroblasts. ***Journal of Physiology*** *2012, 590 (17): 4307-4319.* ***(IF: 5)***
22. Ferro F, Ouillé A, Tran TA, Fontanaud F, **Bois P**, Babuty D, Labarthe F, Le Guennec JY. Effects of long-chain acyl-carnitines on I_{KR}, I_{KS} and IK1. ***PloS One*** *2012, 7(7): e41687.* ***(IF: 4.4)***
23. Gosselin-Badaroudine P, Keller DI, Huang H, Pouliot V, **Chatelier A**, Osswald S, Brink M, Chahine M. A proton leak current through the cardiac sodium channel linked to mixed arrhythmia and dilated cardiomyopathy phenotypes. ***Plos One*** *2012, 7(5): e38331.* ***(IF: 4.4)***
24. **Mercier A,** Clement R, **Harnois T, Bourmeyster N**, **Faivre JF, Findlay I,** Chahine M, **Bois P, Chatelier A.** The β(1)-Subunit of Na(v)1.5 Cardiac Sodium Channel Is Required for a Dominant Negative Effect through α-α Interaction. ***Plos One*** *2012, 7(11):e48690.* ***(IF: 4.4)***
25. **Sabourin J., Harisseh R., Harnois T., Magaud C., Bourmeyster N., Déliot N. and Constantin B.** (2012) Dystrophin/Alpha1-syntrophin scaffold regulated PLC/PKC-dependent store-operated calcium entry in myotubes. ***Cell Calcium****. Dec; 52(6):445-56.* ***(IF: 3.8)***
26. Ouedraogo M, Ruiz M, Vardelle E, Carreyre H, **Potreau D**, Coustard JM, Sawadogo L, **Cognard C**, **Becq F, Vandebrouck C, Bescond J**. From the vasodilator and hypotensive effects of an extract fraction from Agelanthus dodoneifolius (DC) Danser (Loranthaceae) to the active compound dodoneine. ***Journal of Ethnopharmacology*** *2011, 133: 345–352. (****IF: 4.77)***
27. **Benamer N**, Fares N, **Bois P, Faivre JF**. Electrophysiological and Functional effects of sphingosine-1-phosphate in mouse ventricular fibroblasts. ***BBRC*** *(2011) 408(1):6-11 (****IF: 2.3)***
28. Rochette L., Tatou E., **Maupoil V.**, Zeller M., Cottin Y., Jazayeri S., Brenot R., Girard C., David M., Vergely C. Atrial and vascular oxidative stress in patients with heart failure. ***Cell Physiol Biochem.*** *(2011) 27(5): 497-502. (****IF: 4.65)***

Book Chapter

1. **Bois P, Chatelier A, Bescond J, Faivre JF** Pharmacology of hyperpolarization-activated cyclic nucleotide-gated (HCN) channels. **In *Ions channels and their inhibitors*** *(2011) 52, 33-51. Springer*

Invited conferences

1. **Sebille S** (invité): Cardiac TRPV2 channels: role in mediating cardiac pathology, 7th International Workshop on Mechano-Electric Coupling and Arrhythmia, 21-24 septembre 2016
2. **Bois P**. Le pacemaker naturel. Ecole d'électrophysiologie de Montpellier, Sète 6 Avril 2016.
3. **Bois P.** Nouvelles approches électro physiologiques cellulaires et moléculaires (CHU Tours, invitation Dominique BABUTY 18/12/2015)
4. **Bois P** (2015) Overview électrophysiologie cardiaque GRRC 02-03 Avril 2015 Toulouse.
5. **Bois P** (2015) Physiologie et formation scientifique Société de Physiologie 3-4-5 Mai 2015 Strasbourg.
6. **Findlay I*,** Bredeloux P, Hocini M, Bernus O, **Maupoil V**. Pharmacological ablation of pulmonary veins. *16th Congress of the International Society for Holter and Noninvasive Electrocardiology. Lyon (France), 4-6 Juin 2015.* *Invited Speaker.

7. **Bois P** (2015) Optogénétique appliquée à la cardiologie symposium le 18 Décembre 2015 Tours. *Inserm* UMR930.
8. **Bois P** (2014). New if-drugs. Servier IRIS.
9. **Chatelier A** (2014) Trafficking defective mutations modulate $Na_v1.5$ N-glycosylation states. Congrès de physiologie, de pharmacologie et de thérapeutique, Poitiers.
10. **Chatelier A** (2014) Lumière sur l'électrophysiologie cardiaque via l'optogénétique : combinaison entre acteurs et senseurs optiques. Université Saint Joseph, Beyrouth, Liban.
11. **Faivre JF** (2014) Excitabilité des fibroblastes cardiaques. Congrès de physiologie, de pharmacologie et de thérapeutique, Poitiers.
12. **Bois P** (2013) Human cardiac fibroblast and fibrosis process. Bordeaux. Lyric (O.Bernus)
13. **Bois P** (2013) ANO1 contributes to Angiotensin-II-activated-Calcium dependent Chloride current in human atrial fibroblast. Rencontre Poitiers/Tours.
14. **Chatelier A** (2013) Bagage génétique et pertes de fonction du canal sodique cardiaque $Na_v1.5$ dans le syndrome de Brugada. Patch Club de Montpellier, Montpellier, France.
15. **Bois P** (2012) Cellules souches et pacemaker cardiaque Lions Club Niort 3 Avril.
16. **Bois P** (2012) Characterization of the action mode of ivabradine and two related compounds on the homomeric hHCN4 current expressed in CHO cells Paris symposium IRIS 11 juin.
17. **Bois P** (2012) Propriétés du canal proton. Strasbourg UMR 7199 T. Grutter 7 novembre.
18. **Bois P** (2012) Canaux ioniques et cœur. Mulhouse CellProthera (Dr. Henon) 12 novembre.
19. **Chatelier A** (2012) Canaux sodiques et fibroblastes cardiaques, vers un changement de paradigme. Université Laval, Québec, Canada.
20. **Faivre JF** (2012) Excitabilité des fibroblastes cardiaques, EA4650, Université de Caen.
21. **Bois P.** (2011) Pacemaker Biologique artificiel Invitation Dr Haissaguerre .

Communications with published abstracts

1. **Krzesiak A, Sebille S, Cognard C**, Bosquet L, Delpech N. Effects of two types of treadmill-training on cardiomyocytes remodeling in spontaneously hypertensive rats. FEPS, Paris, 29 Juin-1 Juillet. Acta Physiologica, Suppl 708, 217, 3-158, 2016
2. **Malécot CO*, Pasqualin C, Maupoil V**. Multiple components of vaoltage-activated calcium current in rat pulmonary vein cardiomyocytes. *Printemps de la Cardiologie, Dijon (France), 7-8 avril 2016.* *: Presented by.*Archives of Cardiovascular Diseases Supplements, 8, 228, 2016*
3. **Bredeloux P*, Findlay I, Pasqualin C, Yu A, Maupoil V**. Functional consequences of α1-adrenergic receptors activation in the rat pulmonary veins and left atria. *Printemps de la Cardiologie, Dijon (France), 7-8 avril 2016.* *: Presented by. *Archives of Cardiovascular Diseases Supplements, 8, 230, 2016*
4. **Pasqualin C*, Gannier F, Yu A, Malécot CO, Bredeloux P, Maupoil V**. SarcOptiM, an ImageJ plug-in for cardiomyocyte contractility recording. *Printemps de la Cardiologie, Dijon (France), 7-8 avril 2016.* *: Presented by. *Archives of Cardiovascular Diseases Supplements, 8, 234, 2016*
5. **Aguettaz E, Lopez JJ, Krzesiak A,** Lipskaia L, Adnot S, Hajjar RJ, **Cognard C, Constantin B, Sebille S.** Axial stretch-dependent cation entry in dystrophic cardiomyopathy: involvement of several TRPs channels. 5th International Congress of Myology, Lyon, March 14-16 2016. P. 54.
6. Bredeloux P, **Findlay I**, Hocini M, Bernus O, **Maupoil V**. Electric disconnection of rat pulmonary veins by α-adrenergic receptor activation and their reconnection by adenosine or acetylcholine. *33rd meeting of the European section of the International Society of Heart Research, Bordeaux, France, July 2015.* ***J Mol Cell Cardiol, 86 Suppl, S6, 2015.***
7. **Findlay I**, Bredeloux P, **Maupoil V**. GIRK channels contribute to the membrane potential in the rat pulmonary vein. 33rd meeting of the European section of the International Society of Heart Research, Bordeaux, France, July 2015. **J Mol Cell Cardiol, 86 Suppl, S8, 2015**

8. Pascarel-Auclerc C, **Findlay I**, **Maupoil V**, Hocini M, Bernus O. Modulation of action potential duration heterogeneity in sheep left atria by adrenergic and cholinergic stimulation. 33rd meeting of the European section of the International Society of Heart Research, Bordeaux, France, July 2015. **J Mol Cell Cardiol, 86 Suppl, S8-S9, 2015**
9. Pascarel-Auclerc C, **Findlay I**, **Maupoil V**, Hocini M, Bernus O. Modulation of action potential duration heterogeneity in sheep left atria by cholinergic and adrenergic stimulation and by the activation sequence. 36th Annual Sessions of the Heart Rhythm Society, Boston (MA, USA), 13-16 May 2015. **Heart Rhythm, 12 (5 Suppl), S323, 2015**
10. Pascarel-Auclerc C, **Findlay I**, Bernus O. Cholinergic and adrenergic stimulation in sheep left atria: modulation of action potential duration heterogeneity. Printemps de la Cardiologie, Toulouse (France), 2-3 avril 2015. **Arch Cardiovasc Dis Suppl, 7, 167, 2015**
11. **Pasqualin C**, **Yu A**, **Malécot CO**, Gannier F, **Cognard C**, Bredeloux P, **Maupoil V**. Comparison of spontaneous calcium release events in pulmonary vein and left atria cardiomyocytes. Printemps de la Cardiologie, Toulouse (France), 2-3 avril 2015. **Arch Cardiovasc Dis Suppl, 7, 167, 2015**
12. **Krzesiak A,** Delpech N, Kajla S, **Sebille S, Cognard C,** Lavoie J, Bosquet L. Re-examination of arterial pressure variations in SHR through continuous monitoring at rest and during different types of aerobic exercises. Acta Physiologica, 214, 51-52.
13. **El Chemaly A,** Norez C, **Magaud C, Bescond J, Chatelier A,** Fares N**, Findlay I,** Jayle C, **Becq F, Faivre JF, Bois P.** ANO1 contributes to Angiotensin-II-activated Ca(2+)-dependent Cl(-) current in human atrial fibroblasts. **Biophysical J, 106 (S1), 560A, 2014.**
14. **Mercier A, Clément R, Harnois T, Bourmeyster N, Bois P, Chatelier A**. Nav1.5 channels can reach the plasma membrane through distinct N-glycosylation states. **Biophysical J, 106, 2(S1), 328A, 2014.**
15. **Pasqualin C***, **Malécot CO**, Gannier F, **Cognard C**, Bredeloux P, **Maupoil V**. Comparison of the organization of tubules, L-type Ca channels and ryanodine receptors in cardiomyocytes of pulmonary vein, left atrium and ventricle of the rat. *IXème Congrès de Physiologie, de Pharmacologie et de Thérapeutique, Poitiers (France), 22-24 avril 2014.* ***Fund Clin Pharmacol, 28 (suppl. 1), 31, 2014.***
16. **Carré G, Ouedraogo M, C. Magaud C**, Carreyre H, Thibaudeau S, **Becq F**, **Bois P**, Vandebrouck C**, Bescond J.** (2014) Identification of two molecular targets of the natural vasorelaxant agent dodoneine: L-type calcium channel and carbonic anhydrase. ***Fundamental and Clinical Pharmacology 2014, 28 (Suppl. 1), 79: PM2-115***
17. **Lorin C, Aguettaz E,** Gueffier M, **Bois P, Faivre JFF, Sebille S, Cognard C.** Alterations of excitation-calcium release coupling in mdx cardiomyocytes: surface and internal membranes elements disruptions at rest and under stretching. 2014 Fundamental and Clinical Pharmacology, 28 :77.
18. **Findlay I,** Bredeloux P, Hocini M, Bernus O, **Maupoil V.** Conduction of electrical activty between the atria and the pulmonary veins of the rat. *Vlème Journée de la Recherche Tours-Poitiers, Poitiers (France), 29 nov.* ***2013***. ***Résumé P027-50.***
19. **Findlay I,** Bredeloux P, Hocini M, Bernus O, **Maupoil V.** Conduction of electrical activty between the atria and the pulmonary veins of the rat. *International Workshop de l'Institut de Rythmologie et Modélisation Cardiaque, Pessac (France), 24-25 Oct.* ***2013***. ***Résumé 44.***
20. **Malécot CO**, Bredeloux P, **Findlay I**, **Maupoil V**. Quidinine, ranolazine and TTX modulate norepinephrine-induced automatic activity in rat pulmonary vein cardiomyocytes: role of Na channels. *"Canaux Ioniques: 24th annual meeting", Ile d'Oléron (France), 15-18 sept. 2013 -* ***Résumé P-17, pp.65-66 – 2013.***
21. **Mercier A, Clement R, Harnois T, Bourmeyster N**, **Faivre JF, Findlay I,** Chahine M**, Bois P, Chatelier A**. The beta$_1$ subunit of Na(V) 1.5 cardiac sodium channel is required for a dominant

negative effect through alpha-alpha interaction. *58th Annual Meeting of the Biophysical Society, San Francisco (CA, USA), 15-19 Feb. 2014.* ***Biophysical J, 104 (S1), 133A, 2013.***

22. **Mercier A, Clement R**, **Harnois T, Bourmeyster N, Faivre JF, Findlay I,** Chahine M**, Bois P, Chatelier A**. The beta$_1$ subunit of Na(V)1.5 cardiac sodium channel is required for a dominant negative effect through alpha-alpha interaction. *VIIIème Congrès de Physiologie, de Pharmacologie et de Thérapeutique, Angers (France), 22-24 Avril 2013.* ***Fund Clin Pharmacol, 27 (S1), 81, 2013.***
23. Bredeloux P, **Aguettaz E**, **Findlay I**, **Maupoil V**. Contribution of calcium to the catecholaminergic automatic activity of rat pulmonary veins. *Printemps de la Cardiologie, Bordeaux (France), 12-13 avril 2012.* ***Arch Cardiovasc Dis Suppl, 4 Suppl 1, 42, 2012.***
24. **Malécot CO**, **Findlay I**, Cosnay P, **Maupoil V**. Na channels contribute to the norepinephrine-induced catecholaminergic activity in rat pulmonary vein cardiomyocytes. *Printemps de la Cardiologie, Bordeaux (France), 12-13 avril 2012.* ***Arch Cardiovasc Dis Suppl, 4 Suppl 1, 40, 2012.***
25. Zhang B-L, Freslon J-L**, Maupoil V.** Role of endothelium on the catecholaminergic automatic activity and on the contractile and relaxant responses of rat isolated pulmonary veins. *Printemps de la Cardiologie, Bordeaux (France), 12-13 avril 2012.* ***Arch Cardiovasc Dis Suppl, 4 Suppl 1, 44, 2012.***
26. **Bobin P, Ouedraogo M,** Carreyre H, Coustard JM, **Becq F, Vandebrouck C, Bescond J**. (2011). Characterization of the action of a new cardiovascular pharmacological agent: Dodoneine. ***Archives of Cardiovascular Diseases sup 2: p65.***
27. **Ouedraogo M**, Ruiz M, Carreyre H, Coustard JM, **Becq F, Vandebrouck C, Bescond J.** (2011). From the vasodilator and hypotensive effects of an extract fraction from agelenthus dodoneifolius (dc) danser (loranthaceae) to the active compound dodonéine. ***Fundamental & Clinical Pharmacology, Vol 25 sup 1 : p77.***
28. **Sabourin J, Harisseh R, Déliot N, Cognard C, Constanin B.** Syntrophin/dystrophin scaffold regulates TRPC/STIM1-dependent cation entry in developing skeletal muscle. *Transport Processes in Neurodegenerative and Neuromuscular Diseases. Third International Workshop*, Greifswald, Allemagne, 12-14 Septembre 2011. *Abstract P. 15.*
29. **Harisseh R, J. Sabourin, C. Magaud, N. Déliot, B. Constantin.** Increased cation entry through TRPC1 is mediated by PLC/PKC pathway in dystrophin-deficient myotubes. *Myology 4th international congress of Myology, Lille, 9-13 May 2011.*

Oral communications without publication

1. **Sebille S***, **Cognard C**, **Bois P**, **Chatelier A**. Local activation of voltage-dependent calcium transients under optogenetic control in developing skeletal muscle cells. French Optogenetic Club, Grenoble 23-24 juin 2016.
2. Cantereau A, Millécamps E*, **Chatelier A***, **Sebille S*** Contrôle du couplage excitation-libération calcique par optogénétique : optimisation spatio-temporelle sur spinning-disk. Gen2Bio2016, Saint Brieuc, 31 mars 2016.
3. **Aguettaz E, Cognard C, Sebille S** (2014) Effect of axial stretch on calcium regulation in mouse dystrophic cardiomyocytes: involvement of TRPV2 channels? 25 ème colloque annuel des Canaux ioniques − 14−17 septembre 2014 – Oléron.
4. Bredeloux P, **Findlay I**, Hocini M, Bernus O, **Maupoil V** (2014). Pharmacological isolation of pulmonary veins in the rat. 9ème Congrès annuel de Physiologie, Pharmacologie et Thérapeutique., Poitiers (France). Prix de la Meilleure Communication Orale de la Société de Physiologie

5. **Bescond J** (2014) De la plante au médicament : identification des cibles moléculaires de la dodonéine dans le système cardiovasculaire, IUT de la Rochelle
6. **Cognard C** (2013) Présentation de la plate−forme d'imagerie de l'Université de Poitiers "ImageUP" et de la technique de Microscopie de Conductance Ionique par Balayage (SICM). Apport des techniques de microscopie électronique dans l'interprétation des structures cellulaires en biologie et en médecine. 12èmes Journées du RCCM.
7. **Carre G**, Carreyre H, Thibaudeau S, **Ouedraogo M, Becq F, Bois P, Vandebrouck C, Bescond J.** (2013). The natural hypotensive agent dodoneine ans its analogues inhibits L-Type Ca2+ current in the cardiovascular system. **Ions Channels 24th Meeting, 15-18 septembre, Ile d'Oleron, France.**
8. **Lorin C, Aguettaz E, Gueffier M, Bois P, Faivre JF, Cognard C, Sebille S** (2013) Ultrastructural and functionnal alterations of EC coupling elements in mdx cardiomyocytes: analysis at rest and under stretch. Second International Workshop in Neurophysiology, Greifswald, Allemagne.
9. **Lorin C, Aguettaz E, Krzesiak A, Bois P, Faivre JF, Cognard C, Sebille S (**2012) Membrane surface and intracellular ultrastructural differences in control and mdx cardiomyocytes highlighted by SICM and FFT. 8ème Congrès P2T -Angers 2012.
10. Vandebrouck C**, Bescond J, Faivre JF** (2012) Le cycle de vie du médicament : de la recherche de nouvelles molécules à la mise sur le marché, Espace Mendès France, Poitiers,
11. **Bescond J** (2012) La dodonéine : un exemple de recherche en ethnopharmacologie, IUT de la Rochelle

Dissemination of scientific culture

1. **Sebille S.** Campagne d'exposition urbaine et numérique « Equipe de recherche : transversalité Autonomie Sport Santé » (Poitiers 2016).
2. **Malécot CO**, **Chatelier A**, **Bois P**, **Faivre J-F**. Initiation au Patch-clamp et à l'Optogénétique. *In* : "*Canaux ioniques membranaires en contexte cellulaire et tissulaire. Techniques de pointe et nouveaux concepts*". **Ecole Thématique CNRS, Poitiers,** *28 juin-1er juillet 2016, pp. 39-47, 2016.*
3. **Chatelier A.** Coup de projecteur sur l'optogénétique. 2015, Microscoop (DR8, CNRS), n° HS octobre, p4-7.
4. **Chatelier A.** Membre du comité d'organisation du congrès canaux ioniques 25 (Île d'Oléron, 2014) et 26ème éditions (Sète, 2015).
5. **Chatelier A.** Campagne d'exposition urbaine et numérique « Portraits de chercheurs » (Poitiers 2014). Article connexe de La Nouvelle République.
6. **Cognard C.** ImageUP, une ambition régionale. 2014, Microscoop n°69, p8et 9.
7. **Malecot CO, Chatelier A, Bois P, Faivre JF** (2014) Patch-clamp et Optogénétique. In : Cognard C., Ed. Implications des Transports Ioniques dans la Fonction Cellulaire : Exploration par des Approches Multiples. Atlantique Éditions, Poitiers, ISBN 978-2-911320-49-1, pp. 45-52.
8. **Bescond J** (2012) De la plante au médicament » Cogito, le mag, Université de Poitiers n°2, 2ème trimestre 2012.
9. **Bois P** (2012) Vulgarisation le cœur au cœur du cœur Centre médical La Roche Posay 18 Avril.
10. **Bois P** (depuis 2011) Interventions master nationaux Paris/Tours.

Team 2: 3CS

Scientific publications in peer reviewed journals

1. **Yefimova M,** Béré E, **Cantereau-Becq A, Harnois T, Meunier AC,** Messaddeq N**, Becq F,** Trottier Y, **Bourmeyster N**. Myelinosomes act as natural secretory organelles in sertoli cells to prevent accumulation of aggregate-prone mutant huntingtin and CFTR. ***Hum Mol Genet.*** *in press* ***(IF: 5.98)***
2. Aasen T, **Mesnil M**, Naus C, Lampe PD, Laird DW. Gap junctions and cancer: Communicating for 50 years. ***Nature Reviews Cancer.*** *in press* ***(IF: 37.4)***
3. **Crespin S,** Fromont G, Wager M, Levillain P, **Monvoisin A, Cronier L, Defamie N, Mesnil M**. Expression of a gap junction protein, connexin43, in a large panel of human gliomas: new insights. ***Cancer Medicine.*** *Doi:10.1002/cam4.730. Epub 2016 June 15.* ***(IF: 2.5)***
4. Vedrenne N, Sarrazy V, Battu S, Bordeau N, Richard L, Billet F, **Coronas V**, Desmoulière A. (2016) Neural stem cell properties of an astrocyte subpopulation sorted by sedimentation field-flow fractionation. ***Rejuvenation Res.*** Epub Mar 16 ***(IF : 3.66)***
5. **Aguettaz E**, **Lopez JJ, Krzesiak A**, **Cognard C**, **Constantin B**, **Sebille S**. (2016) Axial stretch-dependent calcium increases in dystrophic cardiomyopathy ***Cell Calcium, Data In Brief****, (in press)* ***(IF: 3.5)***
6. **Aguettaz E**, **Lopez JJ, Krzesiak A**, Lipskaia L, Adnot S, Hajjar RJ, **Cognard C**, **Constantin B**, **Sebille S.** (2016) Axial stretch-dependent cation entry in dystrophic cardiomyopathy: involvement of several TRPs channels. ***Cell Calcium*** *Apr;59(4):145-55.* ***(IF: 3.5)***
7. Guéguinou M, **Harnois T**, Crottes D, Uguen A, **Deliot N**, Gambade A, Chantôme A, Haelters J-P, Jaffrès PA, Jourdan ML, Weber G, Soriani O, Bougnoux P, Mignen O, **Bourmeyster N, Constantin B,** Lecomte T, Vandier C, Potier-Cartereau M. (2016) SK3/TRPC1/Orai1complex regulates SOCE- dependent colon cancer cell migration: a novel opportunity to modulate Anti-EGFR mAb action by the alkyl-lipid Ohmline. ***Oncotarget.*** *Apr 18. doi: 10.18632/oncotarget.8786. [Epub ahead of print]* ***(IF: 6.359).***
8. **Constantin B.** (2016**)** Role of scaffolding proteins in the regulation of TRPC-dependent calcium entry. ***Adv Exp Med Biol.*** *2016;898:379-403.* ***(IF: 1.9).***
9. **Mokrani A**, Krisa S, Cluzet S, Da Costa G, Temsamani H, Renouf E, Mérillon JM, Madani K, **Mesnil M, Monvoisin A**, Richard T. Phenolic contents and bioactive potential of peach fruit extracts. ***Food Chem.*** *2016 Jul 1;202:212-20.* ***(IF: 3.4)***
10. **Déliot N., Constantin B.** (2015) Plasma membrane calcium channels in cancer: alterations and consequences for cell proliferation and migration. ***BBA Biomembranes.*** *Volume 1848, Issue 10, Part B, Pages 2512–2522.* ***(IF: 3.8)***
11. **Mercier A, Clément R, Harnois T, Bourmeyster N, Bois P, Chatelier A**. Nav1.5 channels can reach the plasma membrane through distinct N-glycosylation states. ***BBA General Subject*** *2015, 1850(6): 1215-23.* ***(IF: 4.4)***
12. **Ginisty A, Gély-Pernot A,** Abaamrane L, Morel F, **Arnault P**, **Coronas V, Benzakour O.** (2015) Evidence for a subventricular zone neural stem cell phagocytic activity stimulated by the vitamin K-dependent factor protein S. ***Stem Cells.*** *Feb;33(2):515-25.* ***(IF: 7.5)***
13. Segura S, Efthimiadi L, Porcher C, Courtes S, **Coronas V**, Krantic S, Moyse E. (2015) Leptin-dependent neurotoxicity via induction of apoptosis in adult rat neurogenic cells. ***Front Cell Neurosci****. 2015 Sep 7; 9:350.* ***(IF: 4.2****)*
14. Hervé JC, **Bourmeyster N**. Rho GTPases at the crossroad of signaling networks in mammals. ***Small GTPases****. 2015 6(2):43-8.*

15. Bassil F, **Monvoisin A**, Canron MH, Vital A, Meissner WG, Tison F, Fernagut PO. Region-Specific Alterations of Matrix Metalloproteinase Activity in Multiple System Atrophy. ***Mov Disord.*** *2015 Aug 11. (**IF: 5.68**)*
16. Cochaud S, Meunier AC, **Monvoisin A**, Bensalma S, Muller JM, Chadéneau C. Neuropeptides of the VIP family inhibit glioblastoma cell invasion. ***J Neurooncol.*** *122: 63-73. 2015. (**IF: 3.214**)*
17. **Sarrouilhe D, Clarhaut J, Defamie N, Mesnil M.** Serotonin and cancer: what is the link? ***Curr Mol Med.*** *15: 62-77. 2015. (**IF: 3.6**)*
18. Sirnes S1, Lind GE, Bruun J, Fykerud TA, **Mesnil M,** Lothe RA, Rivedal E, Kolberg M, Leithe E. Connexins in colorectal cancer pathogenesis. ***Int J Cancer.*** *137: 1-11. 2015. (**IF: 5.085**)*
19. Thuringer D, Berthenet K, **Cronier L**, Solary E, Garrido C. Primary tumor- and metastasis-derived colon cancer cells differently modulate connexin expression and function in human capillary endothelial cells. ***Oncotarget.*** *2015 Aug 6. [Epub ahead of print]. 2015. (**IF: 6.359**)*
20. Thuringer D, Berthenet K, **Cronier L**, Jego G, Solary E, Garrido C. Oncogenic extracellular HSP70 disrupts the gap-junctional coupling between capillary cells. ***Oncotarget.*** *6: 10267-10283. 2015. (**IF: 6.359**)*
21. **Constantin B.** (2014) Dystrophin complex functions as a scaffold for signaling proteins. ***BBA Biomembranes*** *Feb; 1838(2):635-42. (**IF: 3.8**)*
22. **Hervé JC, Derangeon M**, Sarrouilhe D, **Bourmeyster N.** (2014) Influence of the scaffolding protein Zonula Occludens (ZOs) on membrane channels. ***BBA Biomembranes*** *Feb; 1838(2):595-604. (**IF: 3.8**)*
23. **Defamie N, Chepied A, Mesnil M**. Connexins, gap junctions and tissue invasion. ***FEBS Lett.*** *588: 1331-1338. 2014. (**IF: 3.169**)*
24. Sarrouilhe D, Dejean C, **Mesnil M.** Involvement of gap junction channels in the pathophysiology of migraine with aura. ***Front Physiol.*** *25: 78. doi: 10.3389/fphys.2014.00078. eCollection 2014. (**IF: 3.5**)*
25. **Rochelle T., Daubon T,** Van Troys M.**, Harnois T.,** Waterschoot D., Ampe C., **Roy L., Bourmeyster N., Constantin B. (**2013) p210$^{bcr\text{-}abl}$ induces amoeboid motility by recruiting ADF/destrin activity through RhoA/ROCK1. ***FASEB J****, Jan; 27(1):123-34. (**IF: 5.6**)*
26. Agasse F, Xapelli S, **Coronas V**, Christiansen SH, Rosa AI, Sardá-Arroyo L, Santos T, Ferreira R, Schitine C, **Harnois T**, **Bourmeyster N**, Bragança J, Bernardino L, Malva JO, Woldbye DP. (2013) Galanin promotes neuronal differentiation in murine subventricular zone cell cultures. ***Stem cells and Development****, 22: 1693-708. (**IF: 4**)*
27. Legigan T, **Clarhaut J**, Renoux B, Tranoy-Opalinski I, **Monvoisin A**, Jayle C, Alsarraf J, Thomas M, Papot S. Synthesis and biological evaluations of a monomethylauristatin E glucuronide prodrug for selective cancer chemotherapy. ***Eur J Med Chem.*** *67: 75-80. 2013. (**IF: 3.447**)*
28. **Clarhaut J**, Fraineau S, Guilhot J, Tranoy-Opalinski I, Thomas M, Renoux B, Peraudeau E, Randriamalala E, **Bois P, Chatelier A, Monvoisin A, Cronier L**, Papot S, Guilhot F. A Galactosidase-Responsive Doxorubicin-Folate Conjugate for Selective Targeting of Acute Myelogenous Leukemia Blasts. ***Leukemia Research*** *2013, 37: 948-955. **(IF: 2.9)***
29. **Harisseh R, Chatelier A, Magaud C, Déliot N, Constantin B.** Involvement of TRPV2 and SOCE in calcium influx disorder in DMD primary human myotubes with a specific contribution of á1-syntrophin and PLC/PKC in SOCE regulation. ***American Journal of Physiology : Cell Physiology,*** 2013, 304(9):C881-94. ***(IF: 3.8)***
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34. **Mercier A, Clement R, Harnois T, Bourmeyster N**, **Faivre JF, Findlay I,** Chahine M, ***Bois P, Chatelier A.*** The β(1)-Subunit of Na(v)1.5 Cardiac Sodium Channel Is Required for a Dominant Negative Effect through α-α Interaction. ***PLos One*** *2012, 7(11):e48690.* ***(IF: 4.4)***
35. **Gely-Pernot A, Coronas V, Harnois T,** Prestoz L, Mandairon N, Didier A, Berjeaud JM, **Monvoisin A, Bourmeyster N,** de Frutos PG**, Philippe M, Benzakour O. (**2012) An Endogenous Vitamin K-Dependent Mechanism Regulates Cell Proliferation in the Brain Subventricular Stem Cell Niche. ***Stem Cells****, 30 : 719-731.* ***(IF: 7.5)***
36. **Defamie N, Mesnil M**. The modulation of gap-junctional intercellular communication by lipid rafts. ***Biochim Biophys Acta.*** *1818: 1866-1869. 2012. (**IF: 3.836**)*
37. **Fraineau S, Monvoisin A, Clarhaut J,** Talbot J, Simonneau C, Kanthou C, Kanse SM, **Philippe M, Benzakour O**. The vitamin K-dependent anticoagulant factor, protein S, inhibits multiple VEGF-A-induced angiogenesis events in a Mer- and SHP2-dependent manner. ***Blood*** *120: 5073-5083. 2012.* ***(IF: 10.452)***
38. **Lamiche C**, Clarhaut J, **Strale PO**, **Crespin S**, Pedretti N, Bernard FX, Naus CC, Chen VC, Foster LJ, **Defamie N**, **Mesnil M**, **Debiais F**, **Cronier L**. The gap junction protein Cx43 is involved in the bone-targeted metastatic behaviour of human prostate cancer cells. ***Clin Exp Metastasis.*** *29: 111-122. 2012. (**IF: 3.491**)*
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40. Legigan T, Clarhaut J, Renoux B, Tranoy-Opalinski I, **Monvoisin A**, Berjeaud JM, Guilhot F, Papot S. Synthesis and antitumor efficacy of a β-glucuronidase-responsive albumin-binding prodrug of doxorubicin. ***J Med Chem.*** *55: 4516-4520. 2012. (**IF: 5.45**)*
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42. **Strale PO**, Clarhaut J, **Lamiche C**, **Cronier L**, **Mesnil M**, **Defamie N**. Down-regulation of Connexin43 expression reveals the involvement of caveolin-1 containing lipid rafts in human U251 glioblastoma cell invasion ***Mol Carcinog.*** *51: 845-860. 2012. (**IF: 4.8**)*
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45. Zuellig R.A., Bornhauser B.C., Amstutz R., **Constantin B,** Schaub M.C. (2011) Tissue expressionand actin binding of a novel N-terminal utrophine isoforme. ***Journal of Biomedicine and Biotechnology****. 904547. (**IF: 3.1**)*

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47. Grinda M, **Clarhaut J**, Tranoy-Opalinski I, Renoux B, **Monvoisin A, Cronier L**, Papot S. A heterodimeric glucuronide prodrug for cancer tritherapy: the double role of the chemical amplifier. ***ChemMedChem****. 6: 2137-2141. 2011. (**IF: 2.968**)*

Invited conferences

1. **Mesnil M.** (2016) "Gap junction hemichannels: from physiology to pathology". "Ion Channels" meeting (11-14 Septembre 2016), Sète, France.
2. **Mesnil M.** (2016) "Connexins and glioma invasion" Workshop on the Interface Between Connexin/Pannexin Biology and Therapeutics (3-4 mars 2016), Paris, France**.**
3. **Mesnil M.** (2015) "Connexin 43 and invasion capacity of human glioblastoma cells" Gap junction conference: Therapeutic applications (24 Septembre 2015), La Corogne, Espagne.
4. **Mesnil M.** (2015) "Gap junctions in growth control and invasion in glioma: a proteomic approach". Co-chairman de la session "Gap junctions in a therapeutic context for brain disease". European Brain and Behavior Society Conference (7-14 mars 2015), Brides les Bains, France.
5. **Constantin B** (2015)**.** Alteration of Store-Operated Calcium Entry in leukemic cells expressing BCR-ABL. Symposium Calcium et Signalisation; Tours, Décembre 2015.
6. **Constantin B**. (2015) Signalisation calcique et cancer*".* 9ème journées du Canceropôle grand ouest, 18 juin- 19 juin 2015, sables d'Olonnes, France.
7. **Constantin B** (2015) The dystrophin associated cytoskeleton complex in muscle dystrophy. *30th European Cytoskeleton Forum Meeting, 30/08-03/09/2015, Postojna, Slovenia. Session Cytoskeletal elements in neurological and neuromuscular disorders.*
8. **Coronas V.** (2015) Niche et cerveau: de la cellule souche neurale au glioblastome. *Colloque Niche et Cancer, Nantes.*
9. **Mesnil M.** (2014) "The history of a family of membrane channel proteins, the connexins (from intercellular communication, related pathologies and beyond)". French Consulate and Peter Wall International Visiting Scholar Lecture. First Canadian Colloquium on Gap Junctions and Disease (14-15 mai 2014), University of British Columbia, Vancouver, Canada.
10. **Cronier L.** (2014) « Connexine 43 et développement de métastases osseuses d'origine prostatique». Centre de Recherche Cardio-Thoracique de Bordeaux (CRCTB) - INSERM U1045, Bordeaux (Dr Christelle Guibert).
11. **Coronas V.** (2014) Régulation de l'activité des cellules souches neurales par le microenvironnement. *Symposium « Cellules souches et neuroplasticité », SFR-4226 d'imagerie fonctionnelle Tours-Poitiers.*
12. **Ginisty A**, **Benzakour O**, **Coronas V** (2014) Etude de l'effet anti-tumoral des cellules souches neurales sur les gliomes. *4ème Symposium national Niche Tumorale, Tours*
13. **Constantin B** (2013) "Calcium imaging in migrating cells".*-Second International Workshop on Molecular Imaging in Medical Research, Sept. 19 - 21, 2013, Greifswald, Allemagne*.
14. **Bourmeyster N** (2013) "Sertoli cells avoid mutant Huntingtin aggregation through extracellular secretion" *CHDI Symposium and Workshop on Prion-Like Pathogenesis of Neurodegenerative Diseases" - 13-14 juin 2013 - Los Angeles, California.*

15. **Mesnil M.** (2013) "The role of connexins and their channels in carcinogenesis". Eurotox . Interlaken, Suisse.
16. **Cronier L.** (2013) « Connexine 43 et développement de métastases osseuses d'origine prostatique». INSERM U957, Laboratoire de Physiopathologie de la résorption osseuse, Nantes (Dr Frédéric Blanchard).
17. **Coronas V** (2012) Contrôle de l'activité des cellules souches neurales par des facteurs endogenes. *2ème Symposium national Niche Tumorale, Tours.*
18. **Coronas V**. (2012) Cellules souches du cerveau adulte. *Workshop ITMO IHP « Adult Stem cells: from basic to clinic science », Sorreze.*
19. **Coronas V** (2012) Endogenous regulation of neural stem cells. *First international conference on stem cells, Chania- Crete.*
20. **Constantin B** (2012) « STIM1 et canaux calciques dans la mobilité des cellules leucémiques liées à l'oncogène BCR-ABL. ».- Huitième Colloque annuel de l'axe "Valorisation des Produits de la mer en cancérologie", du Cancéropôle Grand Ouest. 5 et 6 avril 2012. Le Mans.
21. **Mesnil M.** (2012) « Implication de la connexine 43 dans la migration des cellules cancéreuses". Université d'Orléans (Dr W. Même).
22. **Mesnil M.** (2012) « The involvement of connexin43 in the migration of glioma cells". Université de Gand, Belgique (Pr L. Leybaert).
23. **Mesnil M.** (2012) "Implications of connexins in invasion". Symposium "The Role of Gap Junction Proteins in Health and Disease" (3-4 mai 2012), Collège de France, Paris, France.
24. **Constantin B** (2011) "Syntrophin/dystrophin scaffold regulates TRPC/STIM1-dependent cation entry in developing skeletal muscle.*Transport Processes in Neurodegenerative and Neuromuscular Diseases. Third International Workshop: 12-14 Septembre 2011. Greifswald, Allemagne.*
25. **Constantin B** (2011) **"**Cytosquelette et Signalisation Ca^{2+} » *15ème atelier théorique et pratique "Le Signal Calcique". 17-20 Octobre 2011, Seix, Ariège.*

Communications with publication

1. **Terrie E.**, Archambeau J., Oliver L., Vallette F., **Harnois T**., **Arnault P**., **Constantin B., Coronas V.** Implication des canaux calciques de type soc (store operated channels) dans le gliome *10èmes Journées du Cancéropôle Grand Ouest, Sables d'Olonne, 16 et 17 juin 2016.*
2. **Cabanas H, Déliot N, Harnois T, Constantin B, Bourmeyster N.** *Alteration of Store-Operated Calcium entry in Bcr-Abl-expressing leukemic cells. 2016 FASEB Science Research Conference Calcium and Cell Function, Lisbonne, 12-17 June 2016.*
3. **Domenichini F, Arnault P, Harnois T, Magaud C, Bois P, Constantin B, Coronas V.** Calcium signals triggered by microenvironment factors regulate neural stem cells. The 9th conference in the Copenhagen Bioscience Conferences series called "The Stem Cell Niche – development & disease". Copenhagen, Denmark, 22-26 May, 2016.
4. **Aguettaz E, Lopez JJ, Krzesiak A**, Lipskaia L, Adnot S, Hajjar RJ**, Cognard C, Constantin B**, **Sebille S.** Axial stretch-dependent cation entry in dystrophic cardiomyopathy: involvement of several TRPs channels. 5th International Congress of Myology, Lyon, March 14-16 2016. P. 54.
5. **Déliot N., Cabanas H, Harnois T., Constantin B, Bourmeyster N.** Role of calcium homeostasis in the regulation of Chronic-Myelogenous Leukemia. 6th European Calcium Society Workshop- Calcium and Cell Fate, Seillac, June 21-24, 2015 Abstract P. 37.
6. **Lopez J.J., Aguettaz E**., Houssaini A., **Sebille S.,**Bobe R., Ferry A., Adnot S., Hajjard R., Lipskaia L., **Constantin B.** Increased constitutive calcium entry via TRPC and TRPV2 channels and decreased SERCA2a in mouse dystrophic cardiomyocytes.13th International congress on

neuromuscular Diseases, Nice, 5-10 juillet 2014. ***J Neuromuscular Diseases (2014) Vol 1, Suppl 1:S130***

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51. **Antigny F, Norez C, Becq F, Vandebrouck C.** CFTR and Ca^{2+} signaling in cystic fibrosis. ***Frontiers in Pharmacology*** *2:67. Epub 2011 Oct 25. Review.* ***(IF: 3.9)***
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62. Deguil J, Pineau L, Rowland Snyder EC, Dupont S, Beney L, Gil A, Frapper G, **Ferreira T**. Modulation of lipid-induced ER stress by fatty acid shape. ***Traffic.*** *2011 Mar; 12(3): 349-62. (**IF: 4.7**)*
63. Dupont S, Beney L, **Ferreira T**, Gervais P. Nature of sterols affects plasma membrane behavior and yeast survival during dehydration. ***BBA Biomembrane*** *2011 Jun; 1808(6): 1520-8. (**IF: 3.8**)*
64. Ouedraogo M, Ruiz M, Vardelle E, Carreyre H, **Potreau D**, Coustard JM, Sawadogo L, **Cognard C**, **Becq F, Vandebrouck C, Bescond J**. From the vasodilator and hypotensive effects of an extract fraction from Agelanthus dodoneifolius (DC) Danser (Loranthaceae) to the active compound dodoneine. ***Journal of Ethnopharmacology*** *2011, 133: 345–352. (**IF: 4.77**)*

Invited conferences

1. **Becq F :** Dysfunction and polypharmacology to correct the F508del-CFTR chloride channel in CF. Invitation par l'Université de Dalhousie Halifax, Canada, 5 mai 2016.
2. **Bergès T** Implication des gouttelettes lipidiques dans l'autophagie chez *Saccharomyces cerevisiae*. Invitation par Jean Marie François, INSA Toulouse, 28 avril 2016.
3. **Becq F :** Maladies Rares : l'exple de le recherche à Poitiers en Mucoviscidose. Invitation par la Fondation Maladies Rares, 3 mars 2016.
4. **Becq F** : Pharmacologie de la Mucoviscidose. Congrès annuel de la Société Suisse de Physiologie, Lausanne, 16 février 2016.
5. **Becq F**: Pharmacologie du canal CFTR. M2R Créteil, 9 décembre 2015.
6. **Becq F**: New correctors in CF. SANOFI, 16 juillet 2015.
7. **Becq F:** Highlights of the Basic CF Science meeting. Bruxelles, 13 juin 2015.
8. **Becq F**: Structure 3D du CFTR et correcteurs. Patch Club de Montpellier, 5 juin 2015.
9. **Becq F**: Adressage de CFTR et Mucoviscidose. Automnales du GRRC 2014. 7 novembre 2014 Pornichet

10. **Becq F :** Chloride channels and Cystic Fibrosis. Congrès de Physiologie de Pharmacologie et de Thérapeutique. Poitiers 24 03 2014
11. **Becq F**: A twenty-year scientific journey through CFTR pharmacology. **Opening Key note lecture**. 11th ECFS Basic Science Conference 2014, march 26-29, St Julian, Malta.
12. **Vandebrouck C** : The intracellular calcium hypothesis in Cystic Fibrosis. 11th ECFS Basic Science Conference. 2014, march 26-29, St Julian, Malta.
13. **Bergès T** (7 juin 2012) L'incapacité à gérer un excès d'acides gras insaturés libres entraine des désordres mitochondriaux sévères et la mort cellulaire chez la levure *Saccharomyces cerevisiae*
14. **Voisin Pierre**: Activation of rhodopsin gene transcription by cAMP and calcium in embryonic chicken rods. Invitation par Jacky Falcon, Université P et M Curie, Laboratoire Arago, Banyuls sur Mer, 18 avril 2013.
15. **Bergès T** L'incapacité à gérer un excès d'acides gras insaturés libres entraine des désordres mitochondriaux sévères et la mort cellulaire chez la levure *Saccharomyces cerevisiae*. Invitation par Stephen Manon, CNRS, IBGC, UMR 5095, Bordeaux, 7 juin 2012.

Communications with published publication

1. Chatauret N, Coudroy R, Delpech PO, **Vandebrouck C**, Hosni S, Scepi M and Hauet T. Mechanistic analysis of machine perfusion benefits on warm ischemic kidney uncovers improved eNOS phosphorylation during preservation and vasodilation after reoxygenation. (2015). Transplant International. 28 Suppl 1:6.
2. **Bertrand J, Dannhoffer L, Antigny F**, Jayle C, **Vandebrouck C**, **Becq F, Norez C**. (2014). A functional tandem between transient receptor canonical channel 6 (TRPC6 and calcium-dependent chloride channels in human epithelial cells. ***Fundamental & Clinical Pharmacology Vol 28 Suppl 1: 4.***
3. **Vachel L, Norez C, Becq F**, **Vandebrouck C**. (2014). TRPV5 and TRPV6 implication in abnormal increase of constitutive Ca2+ influx in cystic fibrosis cells. ***Fundamental & Clinical Pharmacology Vol 28 Suppl 1: 12.***
4. **Payet L, Kadri L, Mirval S,** Berjeaud J, **Norez C, Mirval S, Becq F, Vandebrouck C, Ferreira T** (2014). Palmitate accumulates within phosphatidylcholine of cystic fibrosis human bronchial epithelial cells: impact on ER stress and F508del-CFTR trafficking correction. ***Fundamental & Clinical Pharmacology Vol 28 Suppl 1: 74.***
5. **Carre G**, Carreyre H, Thibaudeau S, **Ouedraogo M, Becq F, Bois P, Vandebrouck C, Bescond J**. (2014). Identification of two molecular targets of the natural vasorelaxant agent dodoneine: L-type calcium channel and carbonic anhydrase. ***Fundamental & Clinical Pharmacology Vol 28 Suppl 1: 79.***
6. **Becq F, Jollivet M,** Characterisation of novel cystic fibrosis mutations found in classical and infertile CF males in Indian population. Congrès de Physiologie de Pharmacologie et de Thérapeutique. Poitiers. 22-24 april 2014. ***Fundamental & Clinical Pharmacology (2014). Vol 28 Suppl 1: 29.***
7. **Vachel L, Becq F, Vandebrouck C**. (2013). Implication of TRPV channels in calcium homeostasis in CF cells. ***Pediatric Pulmonology Suppl 36: 247.***
8. **Bertrand J, Boinot C,** Mouzannar K, Flett G, Meyer P, **Becq F, Norez C**. (2013). Inhibition of HSP90/F508del-CFTR interaction by isoLab leads to the restoration of the mutated protein to the plasma membrane in Cystic Fibrosis epithelial cells. ***Pediatric Pulmonology Suppl 36: 219.***

9. **Boinot C, Jollivet M, Norez C, Becq F,** (2013). Comparative study of F508del-CFTR rescue in response to combination of correctors Vx-809, SAHA, CORR4a, the iminosugar IsoLab and miglustat ant the potentiator VX-770. ***Pediatric Pulmonology Suppl 36: 220.***
10. **Bertrand J., Boinot C.,** Cendret V., Fleet G., Désiré J., Blériot Y., **Becq F., Norez C**. IsoLAB as a new corrector of the defective trafficking of F508del-CFTR.European Cystic Fibrosis Society, new frontiers in basic science of cystic fibrosis. Malaga, avril 2013.

Oral communications without publication

1. **C.Simard,** B.Hoffmann, **C.Boinot, C.Norez,** J.P.Mornon, B.Boucherle, J.L.Decout, P.Lehn, I.Callebaut et **F.Becq.** A structure-based approach for the design of cftr-binders for correction in cystic fibrosis **Colloque annuel de l'association Canaux Ioniques Sète 15 septembre 2015**
2. **C. Norez, J. Bertrand**. L'utilisation des iminosucres dans le cadre de la mucoviscidose : pas uniquement une histoire autour du miglustat. **2ème atelier thématique de la Mucoviscidose. Poitiers. Juillet 2015**
3. **J.Bertrand**, J.Henri, V.Cendret, J.Désiré, P.Meyer, Y.Bleriot, **F.Becq, C.Norez**. Inhibition of HSP90 ATPase activity leads to correct F508del-CFTR defective trafficking in Cystic Fibrosis cells. **European Cystic Fibrosis Society, new frontiers in basic science of cystic fibrosis. Albufeira. Avril 2015**
4. **Sidelarbi K, Bertrand J, Becq F**, Joosten A, Stauffert F, Bodlenner, P Compain, **C Norez.** Iminosugars acting as mannosidase inhibitors in Cystic Fibrosis: design of second generation of multivalent correctors and identification of new targets. **European Cystic Fibrosis Society, new frontiers in basic science of cystic fibrosis. Albufeira. Avril 2015**
5. **Sidelarbi K, Bertrand J, Becq F**, Joosten A, Stauffert F, Bodlenner, P Compain, **C Norez.** Iminosugars acting as mannosidase inhibitors in Cystic Fibrosis: design of second generation of multivalent correctors and identification of new targets. **16ème Colloque des Jeunes Chercheurs 17 février 2015, Institut Pasteur Paris, France**
6. **Vachel L, Becq F, and Vandebrouck C** (2014). TRPV6 is upregulated by PLC-PI(4,5)P2 pathway in CF cells. **ECFS Basic Science Conference 26-29 mars, St Julians, Malta.**
7. **Clément Boinot** Discovery of novel tailored F508del-CFTR binder correctors based on 3D structure models of entire CFTR protein for treating Cystic Fibrosis. (2014). **11th ECFS Basic Science Conference march 26-29, St Julian, Malta.**
8. **Vachel L, Becq F, and Vandebrouck C** (2014). TRPV6 est impliqué dans la dérégulation de l'homéostasie calcique des cellules mucoviscidosiques. **15ème Colloque des Jeunes Chercheurs 18 février, Institut Pasteur Paris, France**
9. **Carre G**, Carreyre H, Thibaudeau S, **Ouedraogo M, Becq F, Bois P, Vandebrouck C, Bescond J.** (2013). The natural hypotensive agent dodoneine ans its analogues inhibits L-Type Ca2+ current in the cardiovascular system. **Ions Channels 24th Meeting, 15-18 septembre, Ile d'Oleron, France.**
10. **Caroline Norez**. Mise en d'un test de criblage pour la Mucoviscidose. **Colloque Criblage de molécules à visée thérapeutique. 10.07.13. Paris**
11. **Payet L, Kadri L, Mirval S**, Berjeaud J, **Becq F, Vandebrouck C, FerreiraT** (2013). Palmitate accumulates within phosphatidylcholine of cystic fibrosis human bronchial epithelial cells : impact on F508del-CFTR. **ECFS Basic Science Conference 20-23 mars, Malaga, Spain.**
12. **Vachel L, Becq F, Vandebrouck C**. (2013) Role of TRPV channels in calcium homeostasis in CF cells. **ECFS Basic Science Conference 20-23 march, Malaga, Spain**
13. **Carre G**, Carreyre H, Thibaudeau S, **Ouedraogo M, Becq F, Bois P, Vandebrouck C, Bescond J**. (2013). The natural hypotensive agent dodoneine ans its analogues inhibits L-Type

Ca2+ current in the cardiovascular system. **Journée de la recherche des Facultés de Médecine et CHU de Tours et de Poitiers, novembre, Tours, France.**

14. **Payet L, Kadri L, Mirval S**, Berjeaud J, **Becq F, Vandebrouck C, FerreiraT** (2013). Accumulation de palmitate dans les phosphatidylcholine des cellules épithéliales bronchiques de patients atteints de mucoviscidose : impact sur la correction du trafic de F508del-CFTR. **14ème Colloque des Jeunes Chercheurs 26 février, Institut Pasteur Paris, France**
15. **Vachel L, Becq F**, **Vandebrouck C**. (2013) Rôle des canaux TRPV dans l'homéostasie calcique des cellules mucoviscidosiques. **14ème Colloque des Jeunes Chercheurs 26 février, Institut Pasteur Paris, France**
16. Virginie Cendret, Jérôme Désiré, **Caroline Norez, Frédéric Becq, Johanna Bertrand,** Yves Blériot, Synthèse d'iminosucres N-alkylés et N-sulfanylés et évaluation de leurs activité chaperon sur la protéine F508del-CFTR, **Glucidoc, Landéda - Centre UCPA des Abers, 8-11 avril 2013**
17. **C. Dejos, M. Bernard, T. Bergès, M. Régnacq and Pierre Voisin** Young Researcher Vision Camp (Wildenstein, Allemagne) (21-23 juin 2013) «Ca^{2+}oscillations and Ca^{2+}-dependent activation of rhodopsin gene transcription in cultured retinal precursors from chicken embryo» (présentation orale)
18. **C. Dejos, M. Bernard, T. Bergès, M. Régnacq and Pierre Voisin** 24ème Colloque annuel « canaux ioniques » (Oléron, France) (15-18 septembre 2013) «Ca^{2+}oscillations and Ca^{2+}-dependent activation of rhodopsin gene transcription in cultured retinal precursors from chicken embryo» (poster)
19. **Payet L**, Agbomenou L, Giraud S, Berjeaud J, **Mirval S, Becq F, Vandebrouck C, FerreiraT** (2012). Effets synergiques de l'accumulation d'acides gras saturés, de l'hypoxie et de la retention dans le reticulum endoplasmique du F508del-CFTR dans la mucoviscidose. **13ème Colloque des Jeunes Chercheurs 24 avril, Institut Pasteur Paris, France**
20. Dubois A, Bréa D, **Cantereau A, Becq F, Vandebrouck C**, Attucci S. (2012). Calcium pathway in neutrophil extracellular traps (NETs) secretion: a new target in cystic fibrosis? **6th European CF Young Investigator Meeting, 24 – 27 April, Paris, France,**
21. **Vachel L, Norez C, Becq F**, **Vandebrouck C**. (2012) L'influx calcique OAG dépendant augmente l'activité de CFTR à la surface cellulaire. **13ème Colloque des Jeunes Chercheurs 24 avril, Institut Pasteur Paris, France**
22. **T. Bergès, Y. Séré, M. Régnacq** 10ème Rencontre Levures, Modèles et Outils (Toulouse, France) (2-4 avril 2012) «Lipotoxicité entraînée par un excès d'acides gras insaturés: rôle des espèces réactives de l'oxygène» (poster).
23. **Vandebrouck C**, Bescond J, Faivre JF (2012) Le cycle de vie du médicament : de la recherche de nouvelles molécules à la mise sur le marché, Espace Mendès France, Poitiers,
24. **Vachel L, Norez C, Becq F**, and **Vandebrouck C** (2011) Regulation by CFTR activity of OAG activated Ca^{2+} influx in cystic fibrosis cells. **ECFS Basic Science Conference 28 march- 1 april, Sainte Maxime, France.**
25. **Payet L,** Agbomenou L, Giraud S, Berjeaud J, **Mirval S, Becq F, Vandebrouck C, FerreiraT** (2011) F508del-CFTR ER retention, hypoxia and saturated fatty acid accumulation: a cross road to cystic fibrosis pathogenesis. **ECFS Basic Science Conference 28 march- 1 april, Sainte Maxime, France.**

Dissemination of scientific culture

1. **Norez C, Souchet M, Becq F** Méthodes d'étude des transporteurs membranaires: apport dans le criblage de molécules pharmacologiques et automatisation, in Cognard C (éd.), Implications

des transports ioniques dans la fonction cellulaire: exploration par des approches multiples, Poitiers, Ed. Atlantique Actualités Scientifiques Poitou-Charentes, **p37-44, 2014. ISBN: 978-2-911320-49-1.**

2. **Becq F** (2012) Signes cliniques et prise en charge de la mucoviscidose. Pour la Science, n°413 Page 68
3. **Becq F, depuis 2011** Intervention annuelle en septembre dans le cadre des virades de l'espoir (association VLM) dans les collèges et lycées de la région.
4. **Norez C depuis 2011** Intervention annuelle en septembre dans le cadre des virades de l'espoir (association VLM) dans les collèges et lycées de la région.
5. **Vandebrouck C** Member of the scientific comitee « ADN School » l'Ecole de l'ADN
6. **Norez C** Member of the scientific comitee « ADN School » l'Ecole de l'AND
7. **Bergès T** Member of the scientific comitee « ADN School » l'Ecole de l'ADN
8. **Bergès T** Conférences grand public sur le thème "Que prédisent nos genes" dans le cadre du programme « La Science se livre 2016 » de l'Espace Mendès France (Poitiers, 24 septembre 2015 & Tercé, 15 mars 2016).

Patents

1. **Spanova M, Ferru-Clément R,** Dhayal S, Morgan NG, **Ferreira T.** Composés et compositions comprenant de tels composés pour la prévention ou le traitement de dyslipidémies (FR 13/02334).
2. **Vachel L, Vandebrouck C.** TRPV6 Inhibitors For The Treatment Of Cystic Fibrosis. Brevet d'application N° P46634US00.
3. **Boinot C,** Boucherle B, Hoffman B, Fortuné A, Mornon JP, **Becq F,** Decout JL, Callebaut I. Compounds For Treating Cystic Fibrosis. Dépôt le 5 décembre 2014, sous le numéro EP 14 196 618.4
4. **Ferreira T**, Romain Ferru-Clément, **Vandebrouck** C. Réf : R25598WO, N° de demande PCT : PCT/EP2014/071543, Intitulé : « Composés, compositions et utilisations correspondantes, pour la prévention et/ou le traitement des dyslipidémies ».
5. **Becq F et al.** Brevet USB492420 publication 2013. Use of purine derivatives for the production of medicaments for the treatment of mucoviscidosis and diseases related to protein addressing errors in cells PCT/FR2005/002557
6. **Becq F & Norez C** Brevet US8242136 publication 2012. Use of glucosidase inhibitors for therapy of mucovisidosis

NB: Interteams Publications

Below are listed the 16 publications (13% of our global production) in which co-authors of at least two different teams of STIM collaborated. For example, the project based on the extract fractions from Agelanthus dodoneifolius (DC) Danser (Loranthaceae) that led to the discovery of the active compound dodoneine has been conducted in collaboration between teams E1 and E3, with chemists of the University of Poitiers (Institute CNRS IC2MP) and colleagues from the Burkina Faso.

4CS and TIME:

1. **Yefimova M,** Béré E, **Cantereau-Becq A, Harnois T, Meunier AC,** Messaddeq N**, Becq F,** Trottier Y, **Bourmeyster N**. Myelinosomes act as natural secretory organelles in sertoli cells to prevent accumulation of aggregate-prone mutant huntingtin and CFTR. ***Hum Mol Genet. 2016*** *Sous presse.* ***(IF: 5.98)***

TIRC and TIME:

2. Marra S, **Ferru-Clément R**, Breuil V, Delaunay A, Christin M, Friend V, **Sebille S, Cognard C**, **Ferreira T**, Roux C, Euller-Ziegler L, Noel J, Lingueglia E, Deval E. Non-acidic activation of pain-related Acid-Sensing Ion Channel 3 by lipids. ***EMBO J*** Feb 15; 35(4):414-28. doi: 10.15252/embj.201592335. Epub 2016 Jan 15. ***(IF: 10.4)***
3. **Carré G**, Ouedraogo M, **Magaud C**, Carreyre H, **Becq F**, **Bois P**, Supuran CT, Thibaudeau S, **Vandebrouck C, Bescond J**. Vasorelaxation induced by dodoneine is mediated by calcium channels blockade and carbonic anhydrase inhibition on vascular smooth muscle cells. ***Journal of Ethnopharmacology*** *2015, 169: 8-17.* ***(IF: 3)***
4. **El Chemaly A, Norez C, Magaud C, Bescond J, Chatelier A,** Fares N, **Findlay I,** Jayle C, **Becq F, Faivre JF, Bois P.** ANO1 contributes to Angiotensin-II-activated Ca^{2+}-dependent Cl^- current in human atrial fibroblasts. ***J Mol Cell Cardiol.*** *2014, 68:12-9.* ***(IF: 5.2)***
5. **Norez C, Vandebrouck C, Noel S,** Durieu E, Outama N, Galons H, **Antigny A, Chatelier A, Bois P**, Meijer L, **Becq F**. Roscovitine is a proteostasis rescuing the trafficking defect of F508del-CFTR by a CDK-independent mechanism of action. ***British J Pharmacol,*** *2014 Nov; 171(21): 4831-49.* ***(IF 4.84)***
6. **Carré G,** Carreyre H, Ouedraogo M, **Becq F**, **Bois P,** Thibaudeau S, **Vandebrouck C**, **Bescond J.** The hypotensive agent dodoneine inhibits L-type Ca^{2+} current with negative inotropic effect on rat heart. ***Eur J Pharmacol.*** *(2014) 728C:119-127.* ***(IF: 2.5)***
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8. Ouedraogo M, Da FL, Fabré A, Konaté K, Dibala CI, Carreyre H, Thibaudeau S, Coustard JM, **Vandebrouck C, Bescond J**, Belemtougri RG. Evaluation of the Bronchorelaxant, Genotoxic, and Antigenotoxic Effects of Cassia alata L. ***Evid Based Complement Alternat Med*** *2013:162651.* ***(IF: 2)***
9. Ouedraogo M, Ruiz M, Vardelle E, Carreyre H, **Potreau D**, Coustard JM, Sawadogo L, **Cognard C**, **Becq F, Vandebrouck C, Bescond J**. From the vasodilator and hypotensive effects of an extract fraction from Agelanthus dodoneifolius (DC) Danser (Loranthaceae) to the active compound dodoneine. ***Journal of Ethnopharmacology*** *2011, 133: 345–352.* ***(IF: 4.77)***

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10. **Aguettaz E**, Lopez JJ, **Krzesiak A**, **Cognard C**, **Constantin B**, **Sebille S**. Axial stretch-dependent calcium increases in dystrophic cardiomyopathy ***Cell Calcium, Data In Brief****, (in press)* ***(IF: 3.5)***
11. **Aguettaz E**, Lopez JJ, **Krzesiak A**, Lipskaia L, Adnot S, Hajjar RJ, **Cognard C**, **Constantin B**, **Sebille S.** Axial stretch-dependent cation entry in dystrophic cardiomyopathy: involvement of several TRPs channels. ***Cell Calcium*** *Apr; 59(4): 145-55.* ***(IF: 3.5)***
12. **Mercier A, Clément R, Harnois T, Bourmeyster N, Bois P, Chatelier A.** Nav1.5 channels can reach the plasma membrane through distinct N-glycosylation states. ***BBA Gen Sub*** *2015, 1850(6): 1215-23.* ***(IF: 4.4)***
13. **Clarhaut J**, Fraineau S, Guilhot J, Tranoy-Opalinski I, Thomas M, Renoux B, Peraudeau E, Randriamalala E, **Bois P, Chatelier A, Monvoisin A, Cronier L**, Papot S, Guilhot F. A Galactosidase-Responsive Doxorubicin-Folate Conjugate for Selective Targeting of Acute Myelogenous Leukemia Blasts. ***Leukemia Research*** *2013, 37: 948-955.* ***(IF: 2.9)***
14. **Harisseh R, Chatelier A, Magaud C, Déliot N, Constantin B.** Involvement of TRPV2 and SOCE in calcium influx disorder in DMD primary human myotubes with a specific contribution of á1-syntrophin and PLC/PKC in SOCE regulation. ***American Journal of Physiology : Cell Physiology,*** 2013, 304(9):C881-94. ***(IF: 3.8)***
15. **Mercier A, Clement R, Harnois T, Bourmeyster N**, **Faivre JF, Findlay I,** Chahine M, ***Bois P, Chatelier A.*** The β(1)-Subunit of Na(v)1.5 Cardiac Sodium Channel Is Required for a Dominant Negative Effect through α-α Interaction. ***PLos One*** *2012, 7(11): e48690.* ***(IF: 4.4)***
16. **Sabourin J., Harisseh R., Harnois T**., **Magaud C., Bourmeyster N., Déliot N. and Constantin B.** (2012) Dystrophin/Alpha1-syntrophin scaffold regulated PLC/PKC-dependent store-operated calcium entry in myotubes. ***Cell Calcium****. Dec; 52(6): 445-56.* ***(IF: 3.8)***

List of Research Products and Achievements of Dr Aubin PENNA

Publications scientifiques dans des journaux avec comité de lecture

1. Edmond V, Dufour F, Poiroux G, Shoji K, Malleter M, Fouqué A, Tauzin S, Rimokh R, Sergent O, **Penna A**, Dupuy A, Levade T, Theret N, Micheau O, Ségui B, Legembre P. Downregulation of ceramide synthase-6 during epithelial-to-mesenchymal transition reduces plasma membrane fluidity and cancer cell motility. **Oncogene**. *2015, 34, 996-1005.* **IF: 8.459**
2. Edmond V, Ghali B, **Penna A,** Taupin J-L, Daburon S, Moreau J-F, Legembre P. Precise Mapping of the CD95 Pre-Ligand Assembly Domain. **Plos One** *2012;7(9):e46236 (equally contributing authors)* **IF: 3.234**
3. Khadra N, Bresson-Bepoldin L, **Penna A,** Chaigne-Delalande B, Ségui B, Levade T, Vacher AM, Reiffers J, Ducret T, Moreau JF, Cahalan MD, Vacher P, Legembre P. CD95 triggers Orai1-mediated localized Ca2+ entry, regulates recruitment of protein kinase C (PKC) b2, and prevents death-inducing signaling complex formation. **PNAS**. *2011 Nov 22;108(47):19072-7* (equally contributing authors) **IF: 9.681**
4. Demuro A, **Penna A,** Safrina O, Yeromin AV, Amcheslavsky A, Cahalan MD, Parker I. Subunit stoichiometry of human Orai1 and Orai3 channels in closed and open states. **PNAS**. *2011 Oct 25;108(43):17832-7.* **IF: 9.681**

Conférences sur invitation

1. **Symposium Calcium et signalisation,** "*Channeling melanoma metastasis formation"* Tours, France, December 2015.
2. **6th BIANNUAL CONGRESS Integrated mechano-chemical signals during invasion ;** *"TRPV2-mediated calcium entry controls melanoma migration and metastasis formation"* ; Saint-Paul-de-Vence/Nice, France Oct 2015.
3. **"9èmes Journées du Cancéropôle Grand-Ouest";** *"TRPV2 is central for melanoma migration, invasion and metastasis »* Sables-d'Olonne, France, June 2015.
4. **22ième colloque "canaux ioniques", "***Proteomic analysis of the drosophila CRAC channel signalling complex in the resting and active state"* Giens, France, Septembre 2011

Autres Publications

1. **Penna, A.,** Khadra, N., Tauzin, S.b., Vacher, P. & Legembre, P. *The CD95 signaling pathway: To not die and fly*. **Communicative & Integrative Biology 5**, 0--1 (2012).

Ouvrages Scientifiques

1. Anna Amcheslavsky A., Yeromin A., **Penna A**. and Cahalan M.D. *Chapter 301. Store operated calcium channels. (1 : STIM1)*. In ***Encyclopedia of Biological Chemistry, 2nd édition***, Elsevier, ISBN: 9780123786319 (March 2013)

PATENTS

European patent **"POLYPEPTIDES AND USES THEREOF FOR REDUCING CD95-MEDIATED CELL MOTILITY"**
(#EP14305570.5, April 2014, Inserm Transfert) (Inventorship : A. Penna 15%)

European patent **"TRPV2 AS A BIOMARKER AND AS A THERAPEUTIC TARGET FOR MELANOMA"**
(#EP15190102.2**,** October 2015, SATT Ouest Valorization) (Inventorship: A. Penna 70%; K. Shoji 30%)

2-ACADEMIC APPEAL AND REPUTATION

a) Events with Involvement as Organizer or Coorganizer

Type of event: Scientific Day
Event name: 1rst Signalling & CANcer symposium (Biosit)
Date(s): November 20, 2014
Venue: Rennes, France
Name of the organizer(s)/co-organizer(s): Aubin Penna (co-organizer)

Type of event: Scientific Day
Event name: 2nd Signalling & CANcer symposium (Biosit)
Date(s): December 17, 2015
Venue: Rennes, France
Name of the organizer(s)/co-organizer(s): Aubin Penna (co-organizer)

b) Scientific networks membership

National:

Since 2015: part of the team is a member of the Ion Channels and Cancer – CGO Network (http://www.ic-cgo.fr/)

c) National and international collaborations

National:

Dr. Sophie Tartare-Deckert, C3M UMR INSERM U1065 – Nice- [TRPV & melanoma]
Dr. Brigitte Dréno, Dermato-Oncology Department CHU & CRCNA UMR Inserm 892- CNRS 6299 – Nantes [TRPV & melanoma]
Dr. Bruno Constantin, STIM CNRS ERL 7368 – Poitiers; **Dr. François Carreaux**, ISCR UMR CNRS 6226 - Rennes / IC-CGO ; **Dr. Olivier Mignen**, INSERM U1078 – Brest / IC-CGO; **Dr. Christophe Vandier**, Inserm UMR 1069 « Nutrition, Croissance et Cancer –Tours / IC-CGO; **Therassay**, CGO-Nantes / IC-CGO [Ion channels projects]
Dr. Franck Vérité, *LNPRM*, EFS, Rennes - [TRPV antibodies]

d) Career advancement and bonus

Advancement CR2 to CR1 CNRS in January 2015

e) Participation to HDR, theses, recruitment juries

- Thesis juries: 5

f) Scientific societies membership

Member of the European Calcium Society
Member of the "Société de Biologie Cellulaire de France (SBCF)"
Member of the Ion Channels and Cancer – CGO Network (http://www.ic-cgo.fr/)