

Bernard CHRISTOPHE, PhD

bchristophe@scaptest.com

ORCID ID : 0000-0001-7801-3926

1 database

- published as website (www.scaptest.com)
- published as downloadable zenodo file (doi.org/10.5281/zenodo.7541554) – Part I
- published as downloadable zenodo file (doi.org/10.5281/zenodo.13913353) – Part II

83 scientific papers:

- 34 original full papers,
- 1 book chapter,
- 1 review,
- 4 short papers,
- 3 patents,
- 3 thesis
- 37 abstracts

published in various international scientific journals:

Ann.Soc. R.Zool.B

Arch.int.Pharmacodyn.

Arch.int.Physiol.Biochim.

ATLA

Bioorg.Med.Chem.Lett.

Br.J.Pharmacol.

Br.J.Pharm.Res.

ChemMedchem.

Comp.Biochem.Physiol.

Eur.J.Pharmacol.

Fund.Clin.Pharmacol.

Inflam. Res.

J.Clin.Invest.

J.exp.Biol.

J.med.Chem.

J.Pharmacol.exp.Ther.

J.Pharmacol.Toxicol. Methods

Mar.Biol.

Nitric oxide

Pharmacology

Pharmacol.Rep.

Pharmacol.Res.

Probio Rev.

The pharmacologist

Toxicol. Appl. Pharmacol.

85 – Christophe B. (2025)

In silico cardiac safety profile of drugs and their potential to induce clinical cardiotoxicity

Toxicol. Appl. Pharmacol., **502** : 117426

84 – Christophe B. (2024)

Safe cardiac action potential test (www.scaptest.com) Part II: a database describing the *in silico* cardiac safety profile of drugs and their propensity to induce early afterdepolarization.

Description of 50 additional drugs

<https://doi.org/10.5281/zenodo.13913353>

83 – Christophe B. (2023)

Safe cardiac action potential test (www.scaptest.com) : a database describing the *in silico* cardiac safety profile of drugs and their propensity to induce early afterdepolarization.

v1.0 : 150 drugs described

<https://doi.org/10.5281/zenodo.7541554>



82 – Christophe B. (2022)

Occurrence of early afterdepolarization under healthy or hypertrophic cardiomyopathy conditions in the human ventricular endocardial myocyte: *in silico* study using 109 torsadogenic or non-torsadogenic compounds.

Toxicol. Appl. Pharmacol., **438** : 115914

81 – Crumb W.J. Jr & Christophe B. (2020)

A risk profile of fenspiride using ion channel data and *in silico* action potential modeling

J. Pharmacol. Toxicol. Methods, **105** : 38

Poster 100

Safety Pharmacology Society – Barcelona – September 23 - 26, 2019

80 – Christophe B. & Crumb W.J. Jr (2019)

Impact of disease state on arrhythmic event detection by action potential modeling in cardiac safety pharmacology

J. Pharmacol. Toxicol. Methods, **96** : 15-26

79 – Crumb W.J. Jr, Christophe B. & Shah R.R. (2017)

Impact of disease state on arrhythmic event detection using APD modeling

J. Pharmacol. Toxicol. Methods, **88** : 205

Poster 0120

Safety Pharmacology Society, Japanese Safety Pharmacology Society and Canadian Society of Pharmacology and Therapeutics joint meeting – Vancouver – September 18 - 21, 2016

78 - Christophe B. (2015)

In silico study of transmural dispersion of repolarisation in non-failing human ventricular myocytes: contribution to cardiac safety pharmacology

Br. J. Pharm. Res., **7** : 2, 88-101

77 - Christophe B. (2013)

Simulation of early-afterdepolarisation in nonfailing human ventricular myocytes: can this help cardiac safety pharmacology ?

Pharmacol. Rep., **65** : 5, 1281-1293

76 - Michel A., Downey P., Montel F., Scheller D. & Christophe B. (2013)

Methods for treating Parkinson's disease

Patent application - UCB Pharma S.A.

- WO2013156614 A1, p1-38 (fig 1-13)
- US patent app. 15/185,948 (2016)

75 - Provins L., Denonne F., Celanire S., Christophe B., Defays S., Delaunoy C., Delporte M.-L., Demaude T., Durieu V., Gillard M., Hubert D., Lamberty Y., Lorent G., Valade A., Vanbellinghen A. and Van houtvin N. (2012)

Lead optimization of thiazolo[5,4-c]piperidines: 3-cyclobutyloxy linker as a key spacer for H_{3R} inverse agonists

ChemMedChem, **7** : 2087-2092

74 – Jnoff E., Christophe B., Collart P., Coloretto F., Debeuckelaere A., De Ryck M., Fuks B., Genicot C., Gillard M., Guyaux M., Price N., Vandergeten C. and Vermeiren C. (2012)

Discovery of selective alpha_{2c} adrenergic receptor agonists



ChemMedChem, **7** : 385-390

- 73 – Denonne F., Celanire S., **Christophe B.**, Defays S., Delaunoy C., Delporte M.-L., Detrait E., Durieu V., Gillard M., Lamberty Y., Lorent G., Nicolas J.M., Vanbellinghen A., Van houtvin N. and Provins L. (2011)

Acetamide scanning around bicyclic thiazoles: SAR at the H₃ receptor

ChemMedChem, **6** : 1559-1565

- 72 – Denonne F., Atienzar F., Celanire S., **Christophe B.**, Delannois F., Delaunoy C., Delporte M.-L., Durieu V., Gillard M., Lallemand B., Lamberty Y., Lorent G., Vanbellinghen A., Van houtvin N., Verbois V. and Provins L. (2010)

Phenyl-oxazoles, a new family of inverse agonists at the H₃ histamine receptor

ChemMedChem, **5** : 206-212

- 71 – Celanire S., Wijtmans M., **Christophe B.**, Collart P., de Esch I., Dasse D., Delaunoy C., Denonne F., Durieu V., Gelens E., Gillard M., Lallemand B., Lamberty Y., Lebon F., Nicolas J.-M., Quéré L., Snip E., Vanbellinghen A., Van houtvin N., Verbois V., Timmerman H., Talaga P., Leurs R. and Provins L. (2009)

Discovery of a new class of non-imidazole oxazoline-based histamine H₃ receptor (H₃R) inverse agonists

ChemMedChem, **4** : 1063-1068

- 70 – Simoen V., Lamberty Y., Guyaux M. and **Christophe B.** (2008)

Effect of H₃ inverse agonists and acetylcholinesterase inhibitors on the peristaltic reflex induced on the guinea-pig perfused ileum

Poster 097P

British Pharmacological Society – Winter Meeting – Brighton, United Kingdom – December 16-18, 2008

Proceedings of the british pharmacological society at <http://www.pA2online.org/abstracts/Vol6Issue4abst097P.pdf>

- 69 – Michel A., **Christophe B.** and Scheller D. (2008)

Comparison of the activity of the three NR_{2B} antagonists, Ro25-6981, Co 101244 and 20J in experimental models of Parkinson's disease.

Poster 742.8

SFN 2008 - Society for neuroscience - Washington D.C., USA – November 15-19, 2008

- 68 - Wijtmans M., Celanire S., Snip E., Gillard M., Gelens E., Collart P., Venhuis B., **Christophe B.**, Hulscher S., van der Goot H., Lebon F., Timmerman H., Bakker R., Lallemand B., Leurs R., Talaga P. and de Esch I. (2008)

4-Benzyl-1H-imidazoles with oxazoline termini as histamine H₃ receptor agonists

J. med. Chem., **51** : 2944-2953

- 67 – Starck J.-P., Provins L., **Christophe B.**, Gillard M., Jadot S., Lo Brutto P., Quéré L., Talaga P. and Guyaux M. (2008)

Alkyne-quinuclidine derivatives as potent and selective muscarinic antagonists for the treatment of COPD.

Bioorg. Med. Chem. Lett., **18** : 2675-2678



- 66 – Celanire S., Wijtmans M., Snip E., Gelens E., Bakker R., van der Goot H., Hulscher S., Gillard M., Collart P., **Christophe B.**, Lallemand B., Lebon F., Timmerman H., Leurs R. de Esch I. and Talaga P. (2007)
4-benzyl-1H-imidazoles with oxazoline- and alkyne- termini as histamine H₃ receptor agonists
Poster
 - Société Royale de chimie – Annual belgian medchem one day symposium: new drugs and drug candidates: recent achievements in medicinal chemistry – Braine l'Alleud, Belgium – October 26, 2007
 - FIGON Dutch medicine days – Lunteren, The Netherlands – October 1-3, 2007
- 65 – Celanire S., Denonne F., Delaunoy C., Durieu V., Lallemand B., Vanbellinghen A., Van houtvin N., Verbois V., Lebon F., Quéré L., **Christophe B.**, Gillard M., Collart P., Nicolas J.M., Dassesse D., Lamberty Y., Gelens E., Snip E., Wijtmans M., de Esch I., Leurs R., Timmerman H., Bertaina-Anglade V., Drieu La Rochelle C. and Talaga P. (2007)
Hit-to-lead studies of non-imidazole oxazoline series: discovery of a novel class of potent H₃R ligands for the treatment of cognitive dysfunction
Poster
Société Royale de chimie – Annual belgian medchem one day symposium: new drugs and drug candidates: recent achievements in medicinal chemistry – Braine l'Alleud, Belgium – October 26, 2007
- 64 – Gupta A., Gillard M., **Christophe B.**, Chatelain P., Massingham R. and Hammarlund-Udenaes M. (2007)
Peripheral and central H₁ histamine receptor occupancy by levocetirizine, a non-sedating antihistamine; a time course study in the guinea pig.
Br. J. Pharmacol., **151** : 1129-1136
- 63 – Provins L., **Christophe B.**, Danhaive P., Dulieu J., Gillard M., Quéré L. and Stebins K. (2007)
Dual M₃ antagonists-PDE₄ inhibitors. Part 2: Synthesis and SAR of 3-substituted azetidiny derivatives
Bioorg. Med. Chem. Lett., **17** : 3077-3080
- 62 – **Christophe B.**, Carlier B., Schunack W., Chatelain P., Peck M. and Massingham R. (2007)
Contractile properties of various histaprodifen derivatives in guinea pig isolated ileum and trachea
Pharmacology, **79** : 104-113
- 61 – Lambeng N., Lebon F., **Christophe B.**, Burton M., De Ryck M. and Quéré L. (2007)
Arylsulfonamides as a new class of cannabinoid CB₁ receptor ligands: identification of a lead and initial SAR studies
Bioorg. Med. Chem. Lett., **17** : 272-277
- 60 – Simoen V. and **Christophe B.** (2006)
Effect of levocetirizine on the contraction induced with histamine on isolated rabbit bronchioles from precision-cut lung slices.
Pharmacology, **78** : 61-65
- 59 – Provins L., Guyaux M., Mercier J., **Christophe B.**, Gillard M., Jadot S., Lo Brutto P., Quéré L., Starck P. and Talaga P. (2006)
Alkyne-quinuclidine derivatives as potent and selective muscarinic antagonists for the treatment of COPD.
Poster



- ISMC 2006 - XIXth international symposium on medicinal chemistry – Istanbul, Turkey – August 29 – September 2, 2006
 - 232st ACS - American chemical society national meeting and exposition – San Francisco, USA – September 10-14, 2006 (Poster MEDI 200)
- 58 – Provins L., **Christophe B.**, Danhaive P., Dulieu J., Durieu V., Gillard M., Lebon F., Lengelé S., Quéré L. and van Keulen B. (2006)
First dual M₃ antagonists-PDE₄ inhibitors: synthesis and SAR of 4,6-diaminopyrimidine derivatives.
Bioorg. Med. Chem. Lett., **16** : 1834-1839
- 57 – Starck J.-P., Talaga P., Quéré L., Collart P., **Christophe B.**, Lo Brutto P., Jadot S., Chimmanamada D., Zanda M., Wagner A., Mioskowski C., Massingham R. and Guyaux M. (2006)
Potent anti-muscarinic activity in a novel series of quinuclidine derivatives.
Bioorg. Med. Chem. Lett., **16** : 373-377
- 56 – Lambeng N., Lebon F., **Christophe B.**, Grossmann M., Burton M., De Ryck M. and Quéré L. (2005)
Discovery of a novel piperidinyl-sulfonyl benzoic ester, active as CB₁ agonist.
Poster
- Société Royale de chimie – Annual belgian medchem one day symposium: targetting the brain, successes and pitfalls – Namur, Belgium – November 25, 2005
 - 231st ACS - American chemical society national meeting and exposition – Atlanta, USA – March 26-30, 2006 (Poster MEDI 129)
- 55 – Celanire S., Gillard M., **Christophe B.**, Quéré L., Collart P., Dasselès D., Van Marle A., Hulscher S., Bakker R., Zuiderveld O., Timmerman H., Leurs R., Chatelain P., Lambert Y. and Talaga P. (2005)
Pharmacological characterization and *in vitro* ADME properties of immethridine, a potent and highly selective histamine H₃-R agonist.
Poster
- Société Royale de chimie – Annual belgian medchem one day symposium: targetting the brain, successes and pitfalls – Namur, Belgium – November 25, 2005,
 - EHRS 2006 - European histamine research society – XXXVth annual meeting – Delphi, Greece – May 10-13, 2006 (Poster P5)
- 54 – **Christophe B.**, Phu M.-V., Gillard M. and Chatelain P. (2005)
Time course of the relaxation induced with levocetirizine, cetirizine and dextrocetirizine on the isolated guinea pig trachea stimulated with histamine.
Poster 1605
WAC 2005 – World allergy congress 2005 – Munich, Germany – June 26 - July 1, 2005
Allergy Clin. Immunol. int.: J. World Allergy org., **S1**, 577
- 53 – **Christophe B.** and Simoen V. (2005)
Effect of levocetirizine on the contraction induced with histamine on isolated rabbit bronchioles from precision-cut lung slices
Poster 1604
WAC 2005 – World allergy congress 2005 – Munich, Germany – June 26 - July 1, 2005
Allergy Clin. Immunol. int.: J. World Allergy org., **S1**, 576-577
- 52 – Provins L., **Christophe B.**, Danhaive P., Dulieu J., Durieu V., Gillard M., Lebon F., Lengele S., Quéré L. and van Keulen B. (2005)
First dual M₃ antagonists/ PDE₄ inhibitors for the treatment of COPD.



Poster

JMMC 2005 – Joint meeting on medicinal chemistry – Vienna, Austria – June 20-23, 2005

Sci. Pharm., **73** (Suppl 1), S180

- 51 – Wijtmans M., Kitbunnadaj R., Squassabia F., Bakker R., de Esch I., Zuiderveld O., Hulscher S., Menge W., Celanire S., Gillard M., **Christophe B.**, Talaga P., Hashimoto T., Hidaka R., Yamatodani A., Poli E., Menozzi A., Coruzzi G., Timmerman H. and Leurs R. (2005)

Immethridine and methimepip: new, potent and highly selective H₃ agonists as innovative tools to study the H₃ receptor.

Poster

Trends in Drug Research - 15th Noordwijkerhout-Camerino symposium – Noordwijkerhout, The Netherlands – May 8-13, 2005

- 50 – Genicot C., Fuks B., **Christophe B.**, Grimée R., Berton O., Dassel D., Matagne A., Guyaux M., Waegemans T. and Lamberty Y. (2004)

ucb 46331, a new putative antidepressant agent : pharmacological properties *in vitro* and *in vivo*

Poster

- ECNP 2004 - European College of Neuropsychopharmacology – 17th ECNP congress – Stockholm, Sweden – October 9-13, 2004 (Poster P.1.019).
Eur. Neuropsychopharmacol., **14**: S182
- 231st ACS - American chemical society national meeting and exposition – Atlanta, USA – March 26-30, 2006 (Poster MEDI 149)

- 49 – Gillard M., **Christophe B.**, Whomsley R., Coupez R., Chatelain P. and Strolin Benedetti M. (2004)
Comparison of pharmacological and pharmacokinetic properties of levocetirizine and dextrocetirizine, the (R) and (S) enantiomers of cetirizine

Poster P871

ERS 2004 - European Respiratory Society – 14th annual congress – Glasgow, United Kingdom – September 4-8, 2004

Eur. Resp. J., **24** (Suppl 48), 129s

- 48 - **Christophe B.**, Simoen V., Peck M. and Massingham R. (2004)

Desensitisation of the relaxation induced by salbutamol on the guinea pig isolated trachea : comparison to GEA 3175 (NO donor) and Y 27632 (Rho kinase inhibitor)

Poster P04.08

EPHAR 2004 - Federation of the european pharmacological societies – 4th Meeting – Porto, Portugal – July 14-17, 2004

Fund. Clin. Pharmacol., **18** (S1) : 34

- 47 - Kitbunnadaj R., Zuiderveld O., **Christophe B.**, Hulscher S., Menge W., Gelens E., Snip E., Bakker R., Celanire S., Gillard M., Talaga P., Timmerman H. and Leurs R. (2004)

Identification of 4-(1*H*-imidazol-4(5)-ylmethyl)pyridine (Immethridine) as a novel potent and highly selective histamine H₃ receptor agonist.

J. med. Chem., **47** : 2414-2417

- 46 - Kitbunnadaj R., Zuiderveld O., **Christophe B.**, Gillard M., Celanire S., Talaga P., Hulscher S., Gelens E., Snip E., Bakker R., Menge W., Timmerman H. and Leurs R. (2004)

Identification of 4-(1*H*-imidazol-4-yl-methyl)pyridine (Immethridine) as a novel potent and highly selective histamine H₃ receptor agonist.

Poster



- EHRS 2004 - European histamine research society – XXXIIIth annual meeting – Düsseldorf/Köln, Germany – April 28-May 2, 2004 (Poster P6-8).
 - ASCMC 2004 - Advance in synthetic, combinatorial and medicinal chemistry – Moscow – May 5-8, 2004.
 - ISMC 2004 - XVIIIth international symposium on medicinal chemistry – Copenhagen, Denmark & Malmö, Sweden – August 15-19, 2004 (Poster 189).
- 45 - **Christophe B.**, Gillard M., Chatelain P., Peck M. and Massingham R. (2004)
Comparison of the receptor occupancy kinetics of levocetirizine at peripheral and central histamine H₁ receptor after oral administration in the guinea pig
Poster P6-3
EHRS 2004 - European histamine research society – XXXIIIth annual meeting – Düsseldorf/Köln, Germany – April 28-May 2, 2004
- 44 - **Christophe B.**, Maleux M.-R., Gillard M., Chatelain P., Peck M. and Massingham R. (2004)
The histamine H₁ antagonist cetirizine does not interact with bradykinin B₁ or B₂ receptors *in vitro*
Poster P7
EHRS 2003 - European histamine research society – XXXIIth annual meeting – Noordwijkerhout, The Netherlands – May 7-11, 2003
Inflammation Res., **53** : S81-S82
- 43 - Provins L., Van Keulen B., Surtees J., Talaga P. and **Christophe B.** (2003)
Chemical compounds with dual activity, processes for their preparation and pharmaceutical compositions.
Patent application - UCB Pharma
World Intellectual Property Organization, WO 03/087064 A1, pp1-71
- 42 - **Christophe B.**, Carlier B., Gillard M., Chatelain P., Peck M. and Massingham R. (2003)
Histamine H₁ receptor antagonism by cetirizine in isolated guinea pig tissues : influence of receptor reserve and dissociation kinetics
Eur.J.Pharmacol., **470** : 87-94
- 41 - Dambly S., **Christophe B.**, Chatelain P and Gillard M. (2003)
Equilibrium conditions necessary to measure the affinity of antagonists are largely dependent on their dissociation rate constants : application to H₁ antagonists
Poster P8
EHRS 2003 - European histamine research society – XXXIIth annual meeting – Noordwijkerhout, The Netherlands – May 7-11, 2003,
- 40 - Genicot B., **Christophe B.**, Collart P., Gillard M., Goosens L., Hénichart J.-P., Lassoie M.-A., Moureau F., Neuwels M., Nicolas J.-M., Pasau P., Quéré L., Ryckmans T., Stiernet F., Taverne T. and Van Keulen B. (2003)
Discovery of orally bioavailable NK₁ receptor antagonists.
Bioorg. Med. Chem. Lett., **13** : 437-442
- 39 - **Christophe B.**, Carlier B., Schunack W., Chatelain P., Peck M. and Massingham R. (2003)
Histamine H₁-agonist properties of histaprodifin derivatives on isolated guinea pig trachea and ileum
Poster P26
EHRS 2002 - European histamine research society – XXXIth annual meeting – Eger, Hungary – May 22-26, 2002



Inflammation Res., **52** : S51-S52

38 - Gillard M., **Christophe B.**, Wels B., Chatelain P., Peck M. and Massingham R. (2003)

H₁ antagonists : affinity versus selectivity

Poster

- European Histamine Research Society and The institute of allergy and asthma : » – 1st Joint Meeting : « Mediators of allergy and asthma » – Sochi, Russia – October 9-12, 2001
- EHRs 2002 - European histamine research society – XXXIth annual meeting – Eger, Hungary – May 22-26, 2002 (Poster P24)

Inflammation Res., **52** : S49-S50

37 - **Christophe B.**, Lelubre F., Provins L., Peck M. and Massingham R. (2002)

Salbutamol potentiates the relaxation induced by PDE₄ inhibitors on isolated guinea pig trachea precontracted with LTD₄

Poster 134.8

IUPHAR 2002 - International union of the pharmacological Societies – XIVth World congress of Pharmacology – San Francisco, USA – July 7-12, 2002

The Pharmacologist, **44** : A227

36 - Diouf O., Gadeau S., Chellé F., Gelbcke M., Talaga P., **Christophe B.**, Gillard M., Massingham M. and Guyaux M. (2002)

A new series of M₃ muscarinic antagonists based on the 4-amino-piperidine scaffold.

Bioorg. Med. Chem. Lett., **12** : 2535-2539

35 - Zuo, F., Grewal G., Wypij D., Landgraf B., Gillard M., **Christophe B.** and Ellis J (2002)

ucb 62106, a novel muscarinic analgesic with functional selectivity for M₄ receptor

Poster 400-P34

IASP 2002 - International Association for the study of Pain – Xth World congress of Pain – San Diego, USA – August 17-22, 2002

34 - **Christophe B.**, Carlier B., Chatelain P., Peck M. and Massingham R. (2001)

β₃-adrenoceptors mediate relaxation induced by isoproterenol on the isolated guinea pig gall bladder

Poster 8P252

EPHAR 2001 - Federation of the european pharmacological societies – 3rd Meeting – Lyon, France – July 6-9, 2001

Fund. Clin. Pharmacol., **15** : 105

33 - **Christophe B.**, Gillard M., Smeyers D., Carlier B., Chatelain P., Peck M. and Massingham R. (2001)

Influence of receptor reserve on H₁-histamine antagonism by levocetirizine : comparison between isolated guinea-pig ileum and trachea

Poster P-67

EHRs 2001 - European histamine research society – XXX annual meeting – Turku / Åbo, Finland – May 9-12, 2001

32 - **Christophe B.**, Lelubre F., Peck M. and Massingham R. (2000)

Effect of Glyco-SNAP-1 on the isolated guinea pig trachea : comparison with salbutamol

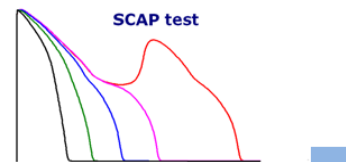
Poster 143

First international conference on biology, chemistry and therapeutic applications of nitric oxide – San Francisco, USA – June 3 -7, 2000

Nitric oxide, **4** : 242

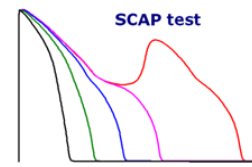


- 31 - **Christophe B.**, Gillard M., Smeyers D., Carlier B., Chatelain P., Peck M. and Massingham R. (2000)
Influence of receptor reserve on H₁-histamine antagonism by cetirizine : comparison between isolated guinea-pig ileum and trachea
Poster P132
British Pharmacological society – Winter Meeting – Cambridge, United Kingdom – January 5-7, 2000
Br. J. Pharmacol., **129** : 232P
- 30 - **Christophe B.**, Coquette A., Detry R., Rahier J. and Stockis A. (1996)
Comparison of responses of human mesenteric artery and vein to noradrenaline and serotonin
Poster 4
Second world congress on alternatives and animal uses in the live sciences – Utrecht, The Netherlands - October 20-24,1996
ATLA, **24** : 305
- 29 - **Christophe B.**, Leonaers A., Scohy V., Manning A.S. and Chatelain P. (1995)
Fantofarone (SR 33557) and radiocalcium incorporation in stimulated rat aorta
Poster
EPHAR 1995 - First European congress of pharmacology – Milan, Italy - June 16-19, 1995
Pharmacol. Res., **S31** : 241
- 28 - **Christophe B.**, Libon R., Cazaubon C., Nisato D., Manning A.S. and Chatelain P. (1995)
Effects of irbesartan (SR 47436/BMS-18295) on angiotensin II-induced pressor responses in the pithed rat: potential mechanisms of action
Eur.J.Pharmacol., **281** : 161-171
- 27 - **Christophe B.**, Foulon L., Pellet A., Serradeil-Le Gal C. and Valette G. (1994)
Composés à groupes sulfamoyl et amidino, leur procédé de préparation et les compositions pharmaceutiques les contenant.
Patent application - Elf Sanofi
European Patent Office: O 614 911 A1, pp1-23
 - Compounds bearing sulphamoyl and amidino radicals, their preparation process and pharmaceutical composition containing them.
United State patent 5506258 (April 9, 1998)
- 26 - Chatelain P., Clinet M., Polster P., **Christophe B.** and Manning A.S. (1993)
In vitro characterization of a novel Ca²⁺ entry blocker: SR 33805
Eur.J. Pharmacol.-Mol. Pharmacol. Section, **246** : 181-193
- 25 - Serradeil-Le Gal C., Wagon J., Garcia C., Lacour C., Guiraudou P., **Christophe B.**, Villanova G., Nisato D., Maffrand J.P., Le Fur G., Guillon G., Cantau B., Barberis C., Trueba M., Ala Y. and Jard S. (1993)
Biochemical and pharmacological properties of SR 49059, a new potent, non-peptide antagonist of rat and human vasopressin V_{1a} receptors
J. clin. Invest., **92** : 224-231
- 24 - Serradeil-Le Gal C., Wagnon J., Lacour C., **Christophe B.**, Barthélémy G., Guiraudou P., Nisato D., Le Fur G., Maffrand J.-P., Cantau B., Barberis C., Guillon G. and Jard S. (1993)
Pharmacological profile of SR 49059, a potent non-peptide antagonist of V₁ vasopressin receptors in "Vasopressin" (Gross P., Richter D., Robertson G.L., eds), pp 529-537



John Libbey Eurotext, Paris

- 23 - Serradeil-Le Gal C., Wagon, J., Guiraudou P., Lacour C., **Christophe B.**, Nisato D., Jard S., Maffrand J.P. & Le Fur G. (1992)
SR 49059, a highly potent, orally effective, non-peptide antagonist of vasopressin V_{1a} receptors.
Oral communication
48^{ème} réunion de l'association française des pharmacologues, Montpellier, France, 1-2 octobre 1992
Fund. Clin. Pharmacol., **6** : 389
- 22 - **Christophe B.**, Chatelain P. and Manning A.S. (1992)
SR 47063, a new K⁺ channel opener: effect on ⁸⁶Rb⁺ efflux from rat aorta.
Poster 259P
British pharmacological society – London, United Kingdom - December 17-19, 1991
Br. J. Pharmacol., **105** : 259P
- 21 - **Christophe B.**, Libon R., Chatelain P. and Manning A.S. (1992)
Effect of SR 47436 in comparison to DuP 753 on angiotensin II-induced pressor responses in the pithed rat..
Poster 304P
British pharmacological society – London, United Kingdom - December 17-19, 1991
Br. J. Pharmacol., **105** : 304P
- 20 - Cazaubon C., Gougat J., Bousquet F., Guiraudou P., Gayraud R., **Christophe B.**, Bernhart C., Perreaut P., Brelière J.C. and Nisato D. (1991)
Caractérisation biologique du SR 47436, un nouvel antagoniste non peptidique des récepteurs de l'angiotensine II.
Poster
Journées de l'hypertension – Paris, France (12-13 décembre 1991).
- 19 - Polster P., **Christophe B.**, Manning A.S. and Chatelain P. (1990)
SR 33557, a novel Ca⁺⁺ antagonist: effect on BAY K 8644-induced contractility changes in rat aorta.
Poster
Belgian Society for Fundamental and Clinical Physiology and Pharmacology – Ghent, Belgium - 17 fevrier 1990
Arch. int. Pharmacodyn., **306** : 185
- 18 - Polster P., **Christophe B.**, Van Damme M., Houlliche A. and Chatelain P. (1990)
SR 33557, a novel calcium entry blocker. I. *In vitro* isolated tissue studies
J. Pharmacol. exp. Ther., **255** : 593-599
- 17 - Polster P., **Christophe B.**, Gubin J. and Chatelain P. (1989)
SR 33557, a new substance with calcium channel antagonist activity
Poster
4th international symposium on calcium channel antagonists: pharmacology and clinical research.
– Firenze, Italy - May 25-27, 1989
- 16 - **Christophe B.** (1987)



Contribution à l'étude de la photogénèse des photophores isolés du poisson téléostéen *Porichthys notatus*.

PhD thesis (Zoology), 100 p

(Université Catholique de Louvain, Laboratoire de physiologie générale et des animaux domestiques. Professeur F. Baguet)

15 - **Christophe B.** (1985)

En phase aiguë de l'occlusion coronaire (2 heures), la diminution du débit de lactate dans le sang veineux coronaire issu du myocarde ischémiq ue s'explique par un lavage de ce métabolite par le débit sanguin collatéral après l'inhibition précoce de la glycolyse.

PhD thesis : annex (Zoology), 15 p.

(Facultés universitaires Notre-Dame de la Paix à Namur, Département de physiologie et de physiopathologie humaines, Professeur J. Lammerant)

14 - **Christophe B.** and Baguet F. (1985)

The adrenergic control of the photocytes luminescence of *Porichthys* photophore

Comp. Biochem. Physiol., **81C** : 359-365

13 - **Christophe B.** and Baguet F. (1985)

Seasonal variations of luminescence in photophores of *Porichthys notatus* (Teleostei: Batrachoïdidae)

Ann. Soc. R. Zool. B., **115** : 197-201

12 - **Christophe B.** (1984)

Bioluminescence

Probio Rev., **7** : 209-229

11 - **Christophe B.** and Baguet F. (1984)

Calcium effects on the luminescent response to epinephrine of isolated photophores from the luminescent fish *Porichthys*.

Poster

Belgian Society for Fundamental and Clinical Physiology and Pharmacology - Louvain-la-Neuve, Belgium - 21 novembre 1983

Arch. int. Physiol. Biochim., **92** : P10

10 - Baguet F., Piccard J., **Christophe B.** and Marechal G. (1983)

Bioluminescence and luminescent fish in the Strait of Messina from the mesoscaph "Forel"

Marine Biology, **74** : 221-229

9 - **Christophe B.** and Baguet F. (1983)

Luminescence of isolated photocytes from *Porichthys* photophores: adrenergic stimulation

J. exp. Biol., **104** : 183-192

8 - Baguet F. and **Christophe B.** (1983)

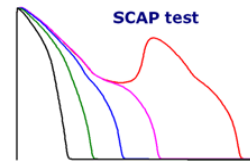
Adrenergic stimulation of isolated photophores of *Maurolicus muelleri*

Comp. Biochem. Physiol., **75C** : 79-84

7 - **Christophe B.** and Baguet F. (1982)

Luminescence of isolated photophores and supracaudal gland from *Myctophum punctatum*: electrical stimulation

Comp. Biochem. Physiol., **71A** : 131-136



- 6 - **Christophe B.** and Baguet F. (1982)
Potassium cyanide stimulation of isolated photocytes from a luminescent fish.
Oral communication
Belgian Society for Fundamental and Clinical Physiology and Pharmacology – Bruxelles, Belgium -
21 novembre 1981
Arch. int. Physiol. Biochim., **90** : P10-P11
- 5 - **Christophe B.** and Baguet F. (1981)
Adrenergic control of isolated photocytes from *Porichthys* photophores.
Oral communication
Belgian Society for Fundamental and Clinical Physiology and Pharmacology – Bruxelles, Belgium -
20 novembre 1980
Arch. int. Physiol. Biochim., **89** : P20-P21
- 4 - Baguet F., **Christophe B.** and Maréchal G. (1980)
Luminescence of *Argyroleucus* photophores electrically stimulated
Comp. Biochem. Physiol., **67A** : 375-381
- 3 - **Christophe B.** and Baguet F. (1980)
Luminescence control of *Argyroleucus* photophores by electrical stimulation.
Oral communication
Belgian Society for Fundamental and Clinical Physiology and Pharmacology – Namur, Belgium - 17
novembre 1979
Arch. int. Physiol. Biochim., **88** : P6-P7
- 2 - **Christophe B.**, Baguet F. and Maréchal G. (1979)
Luminescence of *Chauliodus* photophores by electrical stimulation
Comp. Biochem. Physiol., **64A** : 367-372
- 1 - **Christophe B.** (1977)
Activité électrique et photogénèse chez le téléostéen *Porichthys notatus*: contrôle ionique
Master thesis (Zoology) 103 p
(Université Catholique de Louvain, Laboratoire de physiologie générale et des animaux
domestiques. Professeur F. Baguet)