Detailed scientific publications:

- EDITION OF BOOKS
(published = 11)

Ion Channels as Marine Drug Targets.
Special issue of *Marine Drugs*, MDPI Publisher (2018-19).

Natural toxins/molecules (and derivatives) from animal venoms: from basic research to therapeutic applications.
Special issue of *Molecules*, MDPI Publisher (2019).

Natural toxins/molecules (and derivatives) from animal venoms: from basic research to therapeutic applications.
Special issue of *Molecules*, MDPI Publisher (2018).

Structure-Activity Relationship of Natural Products.
Special issue of *Molecules*, MDPI Publisher (2017).

Ion Channel Neurotoxins.
Special issue of *Toxins*, MDPI Publisher (2014).

Animal Venom Toxins and their Therapeutic Applications.
Special issue of *Inflammation and Allergy – Drug Targets*, Bentham Science Publishers (2011).

Drug Targets in Viral Infections.
Special issue of *Infectious Disorders - Drug Targets*, Bentham Science Publishers (2009).

Animal Venoms.
Special issue of *Toxins*, MDPI Publisher (2009).

Handbook of Biologically-Active Peptides.
Section Editor for book sections on « Venom Peptides »,1st and 2nd Editions, Elsevier Publishers (2006 & 2012).

Animal Toxins and Potassium Channels.
Perspectives in Drug Discovery and Design, Vols. 15/16, Kluwer Academic Publishers (1999).

HIV Infection in $CD4^-$ cells.
Perspectives in Drug Discovery and design, Vol. 5, Escom Science Publishers (1996).

- BOOK CHAPTERS
(published = 4)

Animal Toxins in the World of Modern Biotechnologies.
Sabatier, J.-M., De Waard, M., « *Handbook of Biologically-Active Peptides»*, 2nd Edition, Kastin A. Ed., Elsevier Publishers (2012).

Structure-Function Strategies to Improve the Pharmacological Value of Animal Toxins.
De Waard, M., Sabatier, J.-M., « *Handbook of Biologically-Active Peptides»*, Kastin A. Ed., Elsevier Publishers (2006).

Methodological Approaches to the Study of Ion Channels using Peptide Toxins : Proposed Comprehensive Guidelines.
De Waard, M., Sabatier, J.-M., Rochat, H., « *Perspectives in Molecular Toxinology »*, Ménez A. Ed., John Wiley & Sons Ltd., pp 255-269 (2002).

Chemical Synthesis and Characterization of Small Proteins: Example of Scorpion Toxins.
Sabatier, J.-M., *Handbook of Toxinology, "Animal Toxins: Tools in Cell Biology"*, Chapman & Hall, Birkhäuser Verlag Basel/Switzerland, pp 196-216 (2000).

- ARTICLES: specialised journals
(published = 152)

20-1 ***Breakthroughs in medicinal chemistry: New targets and mechanisms, new drugs, new hopes-6.***
Vanden Eynde, J.J., Mangoni, A.A., Rautio, J., Leprince, J., Azuma, Y.T., García-Sosa, A.T., Hulme, C., Jampilek, J., Karaman, R., Li, W., Gomes, P.A.C., Hadjipavlou-Litina, D., Capasso, R., Geronikaki, A., Cerchia, .L, Sabatier, J.-M., Ragno, R., Tuccinardi, T., Trabocchi, A., Winum, J.Y., Luque, F.J., Prokai-Tatrai, K., Spetea, M., Gütschow, M., Kosalec, I., Guillou, C., Vasconcelos, M.H., Kokotos, G., Rastelli, G., de Sousa, M.E., Manera, C., Gemma, S., Mangani, S., Siciliano, C, . Galdiero, S., Liu, H., Scott, P.J.H., de Los Ríos, C., Agrofoglio, L.A., Collina, S., Guedes, R.C., Munoz-Torrero, D., *Molecules*, 25, 119-143 (2020).

19-1 ***Breakthroughs in medicinal chemistry: New targets and mechanisms, new drugs, new hopes-4.***
Mangoni, AA., Guillou, C., Vanden Eynde, J.J., Hulme, C., Jampilek, J., Li, W., Prokai-Tatrai, K., Rautio, J., Collina, S., Tuccinardi, T., de Sousa, M.E., Sabatier, J.-M., Galdiero, S., Karaman, R., Kokotos, G., Torri, G., Luque, F.J., Vasconcelos, M.H., Hadjipavlou-Litina, D., Siciliano, C., Gütschow, M., Ragno, R., Gomez, P.A.C., Agrofoglio, L.A., Munoz-Torrero, D., *Molecules*, 24, 130-142 (2019).

19-2 ***Review: Therapeutic potential of carbonic anhydrase inhibitors***
Rahman, S., Bibi, S., Javed, T., Alam, F., Ali, A., Qureshi, Z.R., Ali, S., Ullah, M., Asad, M.H.B., Hasan, S.M.F., Sabatier, J.-M., Rizvanov, A.A., *Pak. J. Pharm. Sci.*, 32, 709-720 (2019).

19-3 ***Breakthroughs in medicinal chemistry: New targets and mechanisms, new drugs, new hopes-5.***
Mangoni, AA., Vanden Eynde J.J.,, Jampilek, J., Hadjipavlou-Litina, D., Liu, H., Reynisson, J., de Sousa, M.E., Gomez, P.A.C., Prokai-Tatrai, K., Tuccinardi, T., Sabatier, J.-M., Luque, F.J., Rautio, J., Karaman, R., Vasconcelos, M.H., Gemma, S., Galdiero, S., Hulme, C., Collina, S., Gütschow, M., Kokotos, G., Siciliano, C., Capasso, R., Agrofoglio, L.A., Ragno, R., Munoz-Torrero, D., *Molecules,* 24, 2415-2428 (2019).

19-4 ***Proteomics study of southern Punjab Pakistani cobra (Naja naja: formerly Naja naja karachiensis) venom.***
Bin Asad, M.H., McCleary, R., Salafutdinov, I., Alam, F., Shah, H.S., Bibi, S., Ali, A., Khalid, S., Hasan, S.M.F., Sabatier, J.-M., De Waard, M., Hussian, I., Rizvanov, A.A., *Toxicology & Environmental Chemistry,* 101, 91-116 (2019).

19-5 ***Venoms of Iranian Scorpions (Arachnida, Scorpiones) and their potential for drug discovery.***
Kazemi, S.M., Sabatier, J.-M., *Molecules*, 24, 2670-2690 (2019).

19-6 ***Bee venom: overview of main compounds and bioactivities for therapeutic interests.***
Wehbe, R., Frangieh, J., El Obeid, D., Sabatier, J.-M., Fajloun, Z., *Molecules*, 24, 2997-3009 (2019).

19-7 ***A nanobody-derived mimotope against VEGF inhibits cancer angiogenesis.***
Karami, E., Sabatier, J.-M., Irani, S., Behdani, M., Shahbazzadeh, D., Kazemi-Lomedasht, F., *Artificial Cells, Nanomedicine, and Biotechnology*, in press (2019).

19-8 ***Development of a human scFv antibody targeting the lethal Iranian cobra (Naja oxiana) snake venom.***
Kazemi-Lomedasht, F., Yamabhai, M., Sabatier, J.-M., Behdani, M., Reza, M., Shahbazzadeh, D., *Toxicon*, 171, 78-85 (2019).

18-1 ***Action mechanism of melittin-derived antimicrobial peptides, MDP1 and MDP2, de novo designed against multidrug-resistant bacteria.***
Akbari, R., Hakemi-Vala, M., Hashemi, A., Aghazadeh, H., Sabatier, J.-M., Bagheri, K.P. *Amino acids*, 50, 1231-1243 (2018).

18-2 ***Lethal toxic dose (i.p. LD50), total protein contents and comparative hemolytic potential of (99mTc-labeled & non-labeled) Naja naja karachiensis venom.***
Bin Asad, M.H., Asad, A.F., Bibi, S., Ullah, K., Javed, T., Ullah, M., Ali, A., Qureshi, Z.R., Amirzada, M.I., Al-Kahraman, Y.M., Hasan, S.M.F., Sabatier, J.-M., Rizvanov, A. *Pak. J. Pharm. Sci.*, 31, 685-689 (2018).

18-3 ***Membrane-active peptide PV3 efficiently eradicates multidrug-resistant Pseudomonas aeruginosa in a mouse model of burn infection.***
Memariani, H., Shahbazzadeh, D., Sabatier, J.-M., Pooshang Bagheri, K. *APMIS*, 126, 114-122 (2018).

18-4 ***Vipers of the middle east: a rich source of bioactive molecules.***
Rima, M., Alavi-Naini, S.M., Karam, M., Sadek, R., Sabatier, J.-M., Fajloun, Z. *Molecules*, 23, 2721-2737 (2018).

18-5 ***Breakthroughs in medicinal chemistry: New targets and mechanisms, new drugs, new hopes-3.***
Mangoni, AA., Tuccinardi, T., Collina, S., Vanden Eynde, J.J., Munoz-Torrero, D., Karaman, R., Siciliano, C., de Sousa, M.E., Prokai-Tatrai, K., Rautio, J., Guillou, C., Gütschow, M., Galdiero, S., Liu, H., Agrofoglio, L.A., Sabatier, J.-M., Hulme, C., Kokotos, G., You, Q., Gomez, P.A.C. *Molecules*, 23, 1596-1606 (2018).

17-1 ***Breakthroughs in medicinal chemistry: New targets and mechanisms, new drugs, new hopes-2.***
Munoz-Torrero, D., Mangoni, A.A., Liu, H., Hulme, C., Rautio, J., Karaman, R., de Sousa, M.E., Prokai-Tatrai, K., Sabatier, J.-M., Siciliano, C., Luque, F.J., Kokotos, G., Ranio, R., Collina, S., Guillou, C., Gütschow, M., Agrofoglio, L.A. *Molecules*, 23, 65-74 (2017).

17-2 ***Characteristics and lethality of a novel recombinant dermonecrotic venom phospholipase D from Hemiscorpius lepturus.***
Torabi, E., Behdani, M., Chafi, M.H., Moazzami, R., Sabatier, J.-M., Khalaj, V., Shahbazzadeh, D., Bagheri, K.P. *Toxins*, 9, 102-118 (2017).

17-3 ***Treating autoimmune disorders with venom-derived peptides.***
Shen, B., Cao, Z., Li, W., Sabatier, J.-M., Wu, Y. *Expert Opin. Biol. Ther.*, 17, 1065-1075 (2017).

17-4 ***Preface.***
Sabatier, J.-M. *Infect. Disorders Drug Targets*, 17(1), 2 (2017).

17-5 ***Special issue 'Structure-activity relationship of natural products'.***

Sabatier, J.-M. *Molecules*, 22(5) (2017).

17-6 ***Consequences of Androctonus mauretanicus and Buthus occitanus scorpion venoms on electrolyte levels in rabbits.***
Daoudi, K., Chgoury, F., Rezzak, M., Bourouah, O., Boussadda, L., Soukri, A., Sabatier, J.-M., Oukkache, N. *Heliyon*, 3, 221-233 (2017).

17-7 ***Peptide screen identifies a new NADPH oxidase inhibitor: impact on cell migration and invasion.***
Mousslim, M., Pagano, A., Andreotti, N., Garrouste, F., Thuault, S., Peyrot, V., Parat, F., Luis, J., Culcasi, M., Thétiot-Laurent, S., Pietri, S., Sabatier, J.-M., Kovacic, H., *Eur. J. Pharmacol.*, 794, 162-172 (2017).

16-1 ***Genetic characterization of lactic acid bacteria from Tunisian milk waste and their antimicrobial activity against some bacteria implicated in nosocomial infections.***
Ghodhbane, H., Alessandria, V., Snoussi, M., Elleuch, L., Trabelsi, I., Abdelly, C., Sabatier, J.-M., Cocolin, L., Regaya, I. *Infect. Disord. Drug Targets*, 16, 182-191 (2016).

16-2 ***Mechanism of action and in vitro activity of short hybrid antimicrobial peptide PV3 against Pseudomonas aeruginosa.***
Memariani, H., Shahbazzadeh, D., Sabatier, J.-M., Memariani, M., Karbalaimahdi, A., Bagheri, K.P., *Biochem. Biophys. Res. Commun.*, 479, 103-108 (2016).

16-3 ***Editorial.***
Sabatier, J.-M. *Infect. Disorders Drug Targets*, 16(2), 78 (2016).

15-1 ***Comparison of the neurotoxic and myotoxic effects of two Moroccan scorpion venoms and their neutralization by experimental polyclonal antivenom.***
Oukkache, N., Ahmad Rusmili, M.R., Othman, I., Ghalim, N., Chgoury, F., Boussadda, L., El Mdaghri, N., Sabatier, J.-M., *Life Sciences,* 124, 1-7 (2015).

15-2 ***Correspondences between the binding characteristics of a non-natural peptide, Lei-Dab7, and the distribution of SK subunits in the rat central nervous system.***
Aidi-Knani, S., Pezard, L., Mpari, B., Ben Hamida, J., Sabatier, J.-M., Mourre, C., Regaya, I., *Eur. J. Pharmacol.*, 752, 106-111 (2015).

15-3 ***Endogenous animal toxin-like human beta-defensin 2 inhibits own K^+ channels through interaction with channel extracellular pore region.***
Yang, W., Feng, J., Xiang, F., Xie, Z., Zhang, G., Sabatier, J.-M., Cao, Z., Li, W., Chen, Z., Wu, Y., *Cell. Mol. Life Sci.*, 72, 845-853 (2015).

15-4 ***Chlorotoxin: a helpful natural scorpion peptide to diagnose glioma and fight tumor invasion.***
Dardevet, L., Rani, D., Aziz, T., Bazin, I., Sabatier, J.-M., Fadl, M., Brambilla, E., De Waard, M., *Toxins*, 7, 1079-1101 (2015).

15-5 ***Small-conductance Ca^{2+}-activated potassium type 2 channels regulate the formation of contextual fear memory.***

Murthy, S.R., Sherrin, T., Jansen, C., Nijholt, I., Robles, M., Dolga, A.M., Andreotti, N., Sabatier, J.-M., Knaus, H.G., Penner, R., Todorovic, C., Blank, T., *PLoS One*, 10, e0127264 (2015).

15-6 ***Characterization of Am IT, an anti-insect β-toxin isolated from the venom of scorpion Androctonus mauretanicus.***
Oukkache, N., El Jaoudi, R., Chgoury, F., Rocha, M.T., Sabatier, J.-M., *Acta Physiologica Sinica*, 67, 295-304 (2015).

15-7 ***Bacteriocins active against multi-resistant Gram-negative bacteria implicated in nosocomial infections.***
Ghodhbane, H., Elaidi, S., Sabatier, J.-M., Achour, S., Benhamida, J., Regaya, I., *Infect. Disord. Drug Targets*, 15, 2-12 (2015).

14-1 ***Unusual binding mode of scorpion toxin BmKTX onto potassium channels relies on its distribution of acidic residues.***
Chen, Z., Hu, Y., Hu, J., Yang, W., Sabatier, J.-M., De Waard, M., Cao, Z., Li, X., Han, S., Wu, Y., *Biochem. Biophys. Res. Comm.*, 447, 70-76 (2014).

14-2 ***Protein content analysis and antimicrobial activity of the crude venom of Montivipera Bornmuelleri, a viper from Lebanon.***
Accary, C., Hraoui-Bloquet, S., Hamze, M., Mallem, Y., El Omar, F., Sabatier, J.-M., Desfontis, J.C., Fajloun, Z., *Infect. Disord. Drug Targets,* 14, 49-55 (2014).

14-3 ***Evaluation of the lethal potency of scorpion and snake venoms and comparison between intraperitoneal and intravenous injection routes.***
Oukkache, N., El Jaoudi, R., Ghalim, N., Chgoury, F., Bouhaouala, B., El Mdaghri, N., Sabatier, J.-M., *Toxins*, 6, 1873-1881 (2014).

13-1 ***Peptide binding to Ochratoxin A mycotoxin: a new approach in conception of biosensors.***
Bazin, I., Andreotti, N., Hassine, A.I., De Waard, M., Sabatier, J.-M., Gonzalez, C., *Biosensors Bioelectronics*, 40, 240-246 (2013).

13-2 ***SKCa channels blockage increases the expression of Adenosine A2A receptor in Jurkat human T cells.***
Regaya, I., Aidi-Knani, S., By, Y., Condo, C., Gerolami, V., Berge-Lefranc, J.-L., Ben Hamide, J., Sabatier, J.-M., Fenouillet, E., Guieu, R., Ruf, J., *Bioresearch Open Access*, 2, 163-168 (2013).

13-3 ***Cell penetration properties of a highly efficient mini Maurocalcine peptide.***
Tisseyre, C., Bahembera, E., Dardevet, L., Sabatier, J.-M., Ronjat, M., De Waard, M., *Pharmaceuticals*, 6, 320-339 (2013).

13-4 ***Two conserved arginine residues from the SK3 channel outer vestibule control selectivity of recognition by scorpion toxins.***
Feng, J., Hu, Y., Yi, H., Yin, S., Han, S., Hu, J., Chen, Z., Yang, W., Cao, Z., De Waard, M., Sabatier, J.-M., Li, W., Wu, Y., *J. Biol. Chem,* 288, 12544-12553 (2013).

13-5 ***The deciphered genome of Mesobuthus martensii uncovers the resistance mysteries of scorpion to its own venom and toxins at the ion channel level.***
Andreotti, N., Sabatier, J.-M., *Toxins*, 5, 2209-2211 (2013).

12-1 ***Lacticin LC14, a new bacteriocin produced by Lactococcus lactis BMG6.14: isolation, purification and partial characterization.***
Lasta, S., Ouzari, H., Andreotti, N., Fajloun, Z., Mansuelle, P., Boudabous, A., Sampieri, F., Sabatier, J.-M., *Infect. Disord. Drug Targets*, 12, 316-325 (2012).

12-2 ***Small efficient cell-penetrating peptides derived from scorpion toxin maurocalcine.***
Poillot, C., Bichraoui, H., Tisseyre, C., Bahembera, E., Andreotti, N., Sabatier, J.-M., Ronjat, M., De Waard, M., *J. Biol. Chem.*, 287, 17331-17342 (2012).

12-3 ***Strategies toward structural and functional 'optimization' of animal peptide toxins.***
Andreotti, N., Ziadi, H., Mouhat, S., De Waard, M., Sabatier, J.-M., *Int. J. Med. Biomed. Res.*, 1, 91-96 (2012).

12-4 ***Selective positive modulator of calcium-activated potassium channels exerts beneficial effects in a mouse model of spinocerebellar ataxia type 2.***
Kasamu, A.W., Hougaard, C., Rode, F., Jacobsen, T.A., Sabatier, J.-M., Eriksen, B.L., Strobaek, D., Liang, X., Egorova, P., Vorontsova, D., Christophersen, P., Ronn, L.C., Bezprozvanny, *Chemistry & Biology*, 19, 1340-1353 (2012).

11-1 ***Animal venoms: from deadly arsenals (toxins) to therapeutic drug candidates.***
Sabatier, J.-M., *Inflamm. Allergy Drug Targets*, 10, 312 (2011). Introduction to a special issue.

11-2 ***Analysis of the interacting surface of maurotoxin with the voltage-gated Shaker B K^+ channel.***
Fajloun, Z., Andreotti, N., Fathallah, M., Sabatier, J.-M., De Waard, M., *J. of Pept. Sci.*, 17, 200-210 (2011).

10-1 ***SP receptor blockade decreases stretch-induced lung cytokines and lung injury.***
Brégeon, F., Steinberg, J.-G., Andreotti, N., Sabatier, J.-M., Delpierre, S., Ravailhe, S., Jammes, Y., *J. Physiol.*, 588, 1309-1319 (2010).

10-2 ***Protein-protein recognition control by modulating electrostatic interactions.***
Han, S., Yin, S., Shijin, Y., Mouhat, S., Qiu, S., Cao, Z., Sabatier, J.-M., Wu, Y., Li, W., *J. of Proteome Res.*, 9, 3118-3125 (2010).

10-3 ***Therapeutic value of peptides from animal venoms.***
Andreotti, N., Jouirou, B., Mouhat, S., Mouhat, L., Sabatier, J.-M., *Amino Acids, Peptides and Proteins*, Comprehensive Natural Products II Chemistry and Biology, Mander L. & Lui H.D. Eds., Elsevier: Oxford, vol. 5, pp 287-303, 2010.

10-4 ***Structure-function relationships of KTS Disintegrins and design of antiangiogenic drugs.***
Kallech-Ziri, O., Luis, J., Fajloun, Z., Sabatier, J.-M., Lehmann, M., El Ayeb, M., Marrakchi, N., Loret, E., *Letters in Drug Design & Discovery,* 7, 36-40 (2010).

09-1 ***Small-conductance Ca^{2+}-activated potassium type 2 channels regulate the formation of contextual fear memory.***
Nijholt, I., Van den Akker, H., Kye, M.-J., Sabatier, J.-M., Knaus, H., Spiess, J., Blank, T., *J. of Neurosci.,* in press (2009).

09-2 ***Drug targets in viral infections.***

Sabatier, J.-M., *Infect. Disord. Drug Targets*, 9, 100 (2009). Introduction to a special issue.

08-1 ***Chemical synthesis and 1H-NMR 3D structure determination of AgTx2-MTX chimera, a new potential blocker for Kv1.2 channel, derived from MTX and AgTx2 scorpion toxins.***
Pimentel, C., M'Barek, S., Visan, V., Grissmer, S., Sampieri, F., Sabatier, J.-M., Darbon, H., Fajloun, Z., *Protein Science*, 17, 107-118 (2008).

08-2 ***Animal toxins acting on voltage-gated potassium channels.***
Mouhat, S., Andreotti, N., Jouirou, B., Sabatier, J.-M., *Current Pharmaceutical Design*, 14, 2503-2518 (2008).

08-3 ***Effect of Cu^{2+} on the oxidative folding of synthetic Maurotoxin in vitro.***
Regaya, I., Andreotti, N., Di Luccio, E., De Waard, M., Sabatier, J.-M., *J. Biomolecular Structure and Dynamics*, 26, 75-82 (2008).

08-4 ***Chemical synthesis and characterization of J46 peptide, an atypical class IIa bacteriocin from Lactococcus lactis subsp. Cremoris J46 strain.***
Lasta, S., Fajloun, Z., Darbon, H., Mansuelle, P., Andreotti, N., Sabatier, J.-M., Boudabous, A., Sampieri, F., *The Journal of Antibiotics*, 61, 89-93 (2008).

08-5 ***Design of a disulfide-less, pharmacologically-inert and chemically-competent analog of Maurocalcine for the efficient transport of impermeant compounds into cells.***
Ram, N., Weiss, N., Texier-Nogues, I., Aroui, S., Andreotti, N., Pirollet, F., Ronjat, M., Sabatier, J.-M., Darbon, H., Jacquemond, V., De Waard, M., *J. Biol. Chem.*, 283, 27048-27056 (2008).

07-1 ***Modulators of small and intermediate conductance calcium-activated potassium channels and their therapeutic indications.***
Wulff, H., Kolski-Andreaco, A., Sankaranayanan, A., Sabatier, J.-M., Shakkottai, V., *Current Medicinal Chemistry*, 14, 1437-1457 (2007).

06-1 ***Pharmacological profiling of OSK1 analogues with a trimmed N-terminal domain.***
Mouhat, S., Teodorescu, G., Homerick, D., Visan, V., Wulff, H., Grissmer, S., Darbon, H., De Waard, M., Sabatier, J.-M., *Mol. Pharmacology*, 69, 354-362 (2006).

06-2 ***Cell penetration properties of maurocalcine, a natural venom peptide active on the intracellular ryanodine receptor.***
Boisseau, S., Mabrouk, K., Narendra, R., Garmy, N., Collin, V., Tadmouri, A., Mikati, M., Sabatier, J.-M., Ronjat , M., Fantini, J., De Waard, M., *Biochem. Biophys. Acta*, 1758, 308-319 (2006).

06-3 ***CD26 modulates nociception in mice via its dipeptidyl-peptidase IV activity.***
Guieu, R., Fenouillet, E., Devaux, C., Fajloun, Z., Carrega, L., Sabatier, J.-M., Sauze, N., Marguet, D., *Behav. Brain Res.*, 166, 230-235 (2006).

06-4 ***Transient loss of voltage control of Ca^{2+} release in the presence of maurocalcine in skeletal muscle.***
Pouvreau, S., Csernoch, L., Allard, B., Sabatier, J.-M., De Waard, M., Ronjat, M., Jacquemont, V., *Biophys. J.*, 91, 2206-2215 (2006).

06-5 ***Resistance of Hepatitis C virus to NS3-4A protease inhibitors: molecular mechanism of drug resistance induced by R155Q, A156T, D168A and D168V mutations.***
Courcambeck J., Bouzidi, M., Perbost, R., Jouirou, B., Amrani, N., Cacoub, P., Pèpe, J., Sabatier, J.-M., Halfon, P., *Antiviral Therapy*, 11, 847-855 (2006).

06-6 ***Block of neural Kv1.1 potassium channels for neuroinflammatory disease therapy.***
Beraud-Juven, E., Viola, A., Regaya, I., Confort-Gouny, Siaud, P., Ibarrola, D., Le Fur, Y., Barbaria, J., Pélissier, J.-F., Medina, I., Sabatier, J.-M., Cozzone, P., *Annals of Neurology*, 60, 586-596 (2006).

05-1 ***K^+ channel types targeted by synthetic OSK1, a toxin from Orthochirus scrobiculosus scorpion venom.***
Mouhat, S., Visan, V., Ananthakrishnan, S., Wulff, H., Grissmer, S., Darbon, H., De Waard, M., Sabatier, J.-M., *Biochem. J.*, 385, 95-104 (2005).

05-2 ***Contribution of the functional dyad of animal toxins acting on voltage-gated Kv1-type channels.***
Mouhat, S., De Waard, M., Sabatier, J.-M., *J. Peptide Sci.*, 11, 65-68 (2005).

05-3 ***Maurocalcine and domain A of the II-III loop of the dihydropyridine receptor $Ca_v1.1$ subunit share common binding sites on the skeletal ryanodine receptor.***
Altafaj, X., Cheng, W., Estève, E., Urbani, J., Grunwald, D., Sabatier, J.-M., Coronado, R., De Waard, M., Ronjat, M., *J. Biol. Chem.*, 280, 4013-4016 (2005).

05-4 ***Transduction of the scorpion toxin maurocalcine into cells. Evidence that the toxin crosses the plasma membrane.***
Estève, E., Mabrouk, K., Dupuis, A., Smida-Rezgui, S., Altafaj, X., Grunwald, D., Platel, J.-C., Andreotti, N., Marty, I., M., Sabatier, J.-M., Ronjat, M., De Waard, M., *J. Biol. Chem.*, 280, 12833-12839 (2005).

05-5 ***Molecular modeling and docking simulations of scorpion toxins and related analogues on human SKCa2 and SKCa3 channels.***
Andreotti, N., Di Luccio, E., Sampieri, F., De Waard, M., Sabatier, J.-M., *Peptides*, 26, 1095-1108 (2005). Article ranked first in the « *Top 25 Hottest Articles* » of *Peptides*.

05-6 ***Acting on the number of molecular contacts between Maurotoxin and Kv1.2 channel impacts ligand affinity.***
M'Barek, S., Chagot, B., Andreotti, N., Visan, V., Mansuelle, P., Grissmer, S., Marrakchi, M., El Ayeb, M., Sampieri, F., Darbon, H., Fajloun, Z., De Waard, M., Sabatier, J.-M., *Proteins*, 60, 401-411 (2005).

05-7 ***Differential effects of maurocalcine on Ca^{2+} release events and depolarisation-induced Ca^{2+} release in rat skeletal muscle.***
Szappanos, H., Smida-Rezgui, S., Cseri, J., Simut, C., Sabatier, J.-M., De Waard, M., Kovacs, L., Csernoch, L., Ronjat, M., *J. Physiol.*, 565, 843-853 (2005).

05-8 ***Blockade of NMDA receptors enhances spontaneous sharp waves in rat hippocampal slices.***
Colgin, L., Jia, Y., Sabatier, J.-M., Lynch, G., *Neuroscience Letters*, 385, 46-51 (2005).

05-9 ***Lebestatin, a short disintegrin from Macrovipera lebetina venom, inhibits integrin-mediated adhesion, migration of tumor cells and in vivo angiogenesis.***
Kallech-Ziri, O., Luis, J., Daoud, S., Srairi, N., Andreotti, N., Lehmann, M., Zouari, R., Bazaa, A., Marvaldi, J., Sabatier, J.-M., El Ayeb, M., Marrakchi, N., *Lab. Invest.*, 1-10 (2005).

05-10 ***The impact of the fourth disulfide bridge in scorpion toxins of the α-KTx6 sub-family.***
Carrega, L., Mosbah, A., Ferrat, G., Beeton, C., Andreotti, N., Mansuelle, P., Darbon, H., De Waard, M., Sabatier, J.-M., *Proteins*, 61, 1010-1023 (2005).

04-1 ***The « functional » dyad of scorpion toxin Pi1 is not by itself a prerequisite for toxin binding to the voltage-gated Kv1.2 potassium channels.***
Mouhat, S., Mosbah, A., Visan, V., Wulff, H., Delepierre, M., Darbon, H., Grissmer, S., De Waard, M., Sabatier, J.-M., *Biochem. J.*, 377, 25-36 (2004).

04-2 ***Cobatoxin 1 from Centruroides noxius scorpion venom: Chemical synthesis, 3-D structure in solution, pharmacology and docking on K^+ channels.***
Jouirou, B., Mosbah, A., Visan, V., Grissmer, S., M'Barek, S., Fajloun, Z., Van Rietschoten, J., Devaux, C., Rochat, H., Lippens, G., El Ayeb, M., De Waard, M., Mabrouk, K., Sabatier, J.-M., *Biochem. J.*, 377, 37-49 (2004).

04-3 ***Diversity of folds in animal toxins acting on ion channels.***
Mouhat, S., Jouirou, B., Mosbah, A., De Waard, M., Sabatier, J.-M., *Biochem. J.*, 378, 717-726 (2004) ; Impact factor = 29.4.

04-4 ***Toxin determinants required for interaction with voltage-gated K^+ channels.***
Jouirou, B., Mouhat, S., Andreotti, N., De Waard, M., Sabatier, J.-M., *Toxicon*, 43, 909-914 (2004).

04-5 ***Block of maurotoxin and charybdotoxin on human intermediate-conductance calcium-activated potassium channels (hIKCa1).***
Visan, V., Sabatier, J.-M., Grissmer, S., *Toxicon*, 43, 973-980 (2004).

04-6 ***First chemical synthesis of a scorpion α-toxin affecting sodium channels : the AaH I toxin of Androctonus australis Hector.***
M'Barek, S., Fajloun, Z., Cestèle, S., Devaux, C., Mansuelle, P., Mosbah, A., Jouirou, B., Mantegazza, M., Van Rietschoten, J., El Ayeb, M., Rochat, H., Sabatier, J.-M., Sampieri, F., *J. Peptide Sci.*, 10, 666-677 (2004).

04-7 ***Small conductance calcium-activated K^+ channels, SKCa, but not voltage-gated K^+ (Kv) channels, are implicated in the antinociception induced by CGS21680, a A2A adenosine receptor agonist.***
Regaya, I., Pham, T., Andreotti, N., Sauze, N., Carrega, L., Martin-Eauclaire, M.-F., Jouirou, B., Peragut, J.-C, Vacher, H., Rochat, H., Devaux, C., Sabatier, J.-M., Guieu, R., *Life Sciences*, 76, 367-377 (2004).

04-8 ***Mapping of maurotoxin (MTX) binding sites on hKv1.2, hKv1.3 and hIKCa1 channels.***
Visan, V., Fajloun, Z., Sabatier, J.-M., Grissmer, S., *Mol. Pharmacology*, 66, 1103-1112 (2004).

04-9 ***Evidence for domain-specific recognition of SK and Kv channels by MTX and HsTx1 scorpion toxins.***
Regaya, I., Beeton, C., Ferrat, G., Andreotti, N., Darbon, H., De Waard, M., Sabatier, J.-M., *J. Biol. Chem.*, 279, 55690-55696 (2004).

03-1 ***Maurotoxin, a potent inhibitor of intermediate conductance Ca^{2+}-activated potassium channels.***
Castle, N.A., London, D.B., Creech, C., Fajloun, Z., Stocker, J., Sabatier, J.-M., *Mol. Pharmacology*, 63, 409-418 (2003).

03-2 ***Maurocalcine and peptide A stabilize distinct subconductance states of ryanodine receptor type 1 (RyR1) revealing a proportional gating mechanism.***
Chen, L., Estève, E., Sabatier, J.-M., Ronjat, M., De Waard, M., Allen, P.D., Pessah, I.N., *J. Biol. Chem.*, 278, 16095-16106 (2003).

03-3 ***Solution structure of Pi4, a short four-disulfide-bridged scorpion toxin specific of potassium channels.***
Guijarro, J.I., M'Barek, S., Gomez-Lagunas, F., Garnier, D., Rochat, H., Sabatier, J.-M., Possani, L.D., Delepierre, M., *Protein Science*, 12, 1844-1854 (2003).

03-4 ***A maurotoxin with constrained standard disulfide bridging – Innovative strategy of chemical synthesis, pharmacology and docking on K^+ channels.***
M'Barek, S., Lopez-Gonzalez, I., Andreotti, N., di Luccio, E., Visan, V., Grissmer, S., Judge, S., El Ayeb, M., Darbon, H., Rochat, H., Sampieri, F., Béraud, E., Fajloun, Z., De Waard, M., Sabatier, J.-M., *J. Biol. Chem.*, 278, 31095-31104 (2003).

03-5 ***Synthesis and characterization of Pi4, a scorpion toxin from Pandinus imperator that acts on K^+ channels.***
M'Barek, S., Mosbah, A., Sandoz, G., Mansuelle, P., Fajloun, Z., Rochat, H., Sampieri, H., Olamendi-Portugal, T., Possani, L., Delepierre, M., De Waard, M., Sabatier, J.-M., *Eur. J. Biochem.*, 270, 3583-3592 (2003).

03-6 ***Critical amino acid residues determine the binding affinity and the Ca^{2+} release efficacy of maurocalcine in skeletal muscle cells.***
Estève, E., Smida-Rezgui, S., Sarkozi, S., Regaya, I., Chen, L., Altafaj, X., Rochat, H., Allen, P., Pessah, I., Marty, I., Sabatier, J.-M., Jona, I., De Waard, M., Ronjat, M., *J. Biol. Chem.*, 278, 37822-37831 (2003).

02-1 ***Evolution of Maurotoxin conformation and blocking efficacy towards Shaker B channels during the course of folding and oxidation in vitro.***
Di Luccio, E., Matavel, A., Opi, S., Regaya, I., Sandoz, G., M'Barek, S., Carlier, E., Estève, E., Carrega, L., Fajloun, Z., Rochat, H., Loret, E., De Waard, M., Sabatier, J.-M., *Biochem. J.*, 361, 409-416 (2002).

02-2 ***Liposomal encapsulation enhances SPC3 antiviral efficacy against human immunodeficiency virus type 1 infection in human lymphocytes.***
De Mareuil, J., Mabrouk, K., Doria, E., Moulard, M., De Chasteigner, S., Oughideni, R., Van Rietschoten, J., Rochat, H., Sabatier, J.-M., *Antiviral Res.*, 54, 175-188 (2002).

02-3 ***The interaction between the I-II loop and the III-IV loop of Cav2.1 contributes to voltage-dependent inactivation in a beta-dependent manner.***
Geib, S., Sandoz, G., Cornet, V., Mabrouk, K., Fund-Saunier, O., Bichet, D., Villaz, M., Hoshi, T., Sabatier, J.-M., De Waard, M., *J. Biol. Chem.*, 277, 10003-10013 (2002).

02-4 ***Synthesis, 3-D structure and pharmacology of a reticulated chimera derived from maurotoxin and Tsk scorpion toxins.***
Fajloun, Z., Ferrat, G., Carlier, E., M'Barek, S., Regaya, I., Fathallah, M., Rochat, H., Darbon, H., De Waard, M., Sabatier, J.-M., *Biochem. Biophys. Res. Comm.*, 291, 640-648 (2002).

02-5 ***Modeling of the III-IV loop, a domain involved in calcium channel Cav2.1 inactivation, highlights a structural homology with the gamma subunit of G proteins.***
Fathallah, M., Sandoz, G., Mabrouk, K., Geib, S., Urbani, J., Villaz, M., Ronjat, M., Sabatier, J.-M., De Waard, M., *Eur. J. Neuroscience*, 16, 219-228 (2002).

01-1 ***Kaliotoxin, a voltage-gated potassium channel blocker, inhibits encephalitogenic T cell activation.***
Beeton, C., Barbaria, J., Benoliel, A-M., Giraud, P., Gola, M., Sabatier, J.-M., Bernard, D., Crest, C., Béraud, E., *J. Immunol.*, 166, 936-944 (2001).

01-2 ***Disulfide bridge reorganization induced by proline mutations in Maurotoxin.***
Carlier, E., Fajloun, Z., Mansuelle, P., Fathallah, M., Mosbah, A., Oughideni, R., di Luccio, E., Sandoz, G., Geib, S., Regaya, I., Rochat, H., Darbon, H., Sabatier, J.-M., De Waard, M., *FEBS Lett.*, 489, 202-207 (2001).

01-3 ***Parameters affecting oxidation/folding of Maurotoxin, a four disulfide-bridged scorpion toxin.***
Di Luccio, E., Azulay, D.O., Regaya, I., Fajloun, Z., Sandoz, G., Mansuelle, P., Kharrat, R., Fathallah, M., Carrega, L., Estève, E., Rochat, H., De Waard, M., Sabatier, J.-M., *Biochem. J.*, 358, 681-692 (2001).

01-4 ***Design and characterization of a highly selective peptide inhibitor of the small conductance calcium-activated K^+ channel, SKCa2.***
Shakkottai, V., Regaya, I., Wulff, H., Fajloun, Z., Fathallah, M., Tomita, H., Gargus, J.J., Cahalan, M., Sabatier, J.-M., Chandy, K.G., *J. Biol. Chem.*, 276, 43145-43151 (2001).

01-5 ***Chemical synthesis, molecular modeling and anti-microbial activity of a novel bacteriocin, MMFII.***
Ferchichi, M., Fathallah, M., Mansuelle, P., Rochat, H., Sabatier, J.-M., Manai, M., Mabrouk, K. *Biochem. Biophys. Res. Comm.*, 289(1), 13-18 (2001).

00-1 ***Chemical synthesis and characterization of Maurocalcine, a scorpion toxin that activates Ca^{2+} release channel/ryanodine receptors.***
Fajloun, Z., Kharrat, R., Chen, L., Lecomte, C., di Luccio, C., Bichet, D., El Ayeb, M., Rochat, H., Allen, P.D., Pessah, I.N., De Waard, M., Sabatier, J.-M., *FEBS Lett*., 469, 179-185 (2000).

00-2 ***Maurotoxin and Kv1.1 channel: Voltage-dependent binding upon enantiomerization of the scorpion toxin disulfide bridge Cys 31-Cys 34.***
Lecomte, C., Ben Khalifa, R., Martin-Eauclaire, M.-F., Kharrat, R., El Ayeb, M., Darbon, H., Rochat, H., Crest, M., Sabatier, J.-M., *J. Peptide Res.*, 55, 246-254 (2000).

00-3 ***A new fold in the scorpion toxin family, associated with an activity on a ryanodine-sensitive calcium channel.***
Mosbah, A., Kharrat, R., Fajloun, Z., Renisio, G., Blanc, E., Sabatier, J.-M., El Ayeb, M., Darbon, H., *Proteins*, 40, 436-442 (2000).

00-4 ***Synthesis, ^{1}H-NMR structure and activity of a three disulfide-bridged Maurotoxin analog designed to restore the consensus motif of scorpion toxins.***
Fajloun, Z., Ferrat, G., Carlier, C., Fathallah, M., Lecomte, C., Sandoz, G., di Luccio, E., Mabrouk, K., Legros, C., Darbon, H., Rochat, H., Sabatier, J.-M., De Waard, M., *J. Biol. Chem.*, 275, 13605-13612 (2000).

00-5 ***Maurotoxin, a four disulfide-bridged toxin from the chactoid scorpion Scorpio maurus, blocks voltage-gated K^+ channels.***
Carlier, E., Avdonin, V., Geib, S., Kharrat, R., Rochat, H., Sabatier, J.-M., Hoshi, T., De Waard, M., *J. Peptide Res.*, 55, 419-427 (2000).

00-6 ***Biophysical and molecular mechanisms of the action of Maurotoxin on Shaker potassium channels.***
Avdonin, V., Nolan, B., Sabatier, J.-M., De Waard, M., Hoshi, T., *Biophys. J.*, 79, 776-787 (2000).

00-7 ***Chemical synthesis and characterization of Pi1, a scorpion toxin from Pandinus imperator active on K^+ channels.***
Fajloun, Z., Carlier, E., Lecomte, C., Geib, S., di Luccio, E., Bichet, D., Mabrouk, K., Rochat, H., De Waard, M., Sabatier, J.-M., *Eur. J. Biochem.*, 267, 5149-5155 (2000).

00-8 ***Reversibility of the Ca^{2+} channel alpha1-beta subunit interaction.***
Bichet, D., Lecomte, C., Sabatier, J.-M., Felix, R., De Waard, M., *Biochem. Biophys. Res. Com.*, 277, 729-735 (2000).

00-9 ***Maurotoxin vs Pi1/HsTx1: Towards new insights in the understanding of their distinct disulfide bridge patterns.***
Fajloun, Z., Mosbah, A., Carlier, E., Mansuelle, P., Fathallah, M., Sandoz, G., di Luccio, E., Devaux, C., Rochat, H., Darbon, H., De Waard, M., Sabatier, J.-M., *J. Biol. Chem.*, 275, 39394-39402 (2000).

00-10 ***Ion channel activation by SPC3, a peptide derived from the HIV-1 gp120 V3 loop.***

Carlier, C., Mabrouk, K., Moulard, M., Rochat, H., De Waard, M., Sabatier, J.-M., *J. Peptide Res.*, 56, 427-437 (2000).

99-1 ***Chemical synthesis and structure-activity of TsK, a novel scorpion toxin acting on apamin-sensitive SK channel.***
Lecomte, C., Ferrat, G., Fajloun, Z., Van Rietschoten, J., Rochat, H., Martin-Eauclaire, M.-F., Darbon, H., Sabatier, J.-M., *J. Peptide Res.*, 54, 369-376 (1999).

99-2 ***V3 loop-derived peptide SPC3 inhibits infection of CD4-negative and Galactosylceramide-negative cells by LAV-2/B.***
Moulard, M., Mabrouk, K., Martin, I., Rochat, H., Van Rietschoten, J., Sabatier, J.-M., *J. Peptide Res.*, 53, 647-655 (1999).

99-3 ***Three-dimensional structure of scorpion toxins: Towards a new model of interaction with potassium channels.***
Darbon, H., Blanc, E., Sabatier, J.-M., *Perspectives in Drug Discovery and Design*, H. Darbon & J.-M. Sabatier Eds., KLUWER/ESCOM, Kluwer Academic Publishers 15/16, 40-60 (1999).

98-1 ***An anti-HIV peptide construct derived from the cleavage region of the Env precursor acts on Env fusogenicity through the presence of a functional cleavage sequence.***
Barbouche, R., Sabatier, J.-M., Fenouillet, E., *Virology*, 247, 137-143 (1998).

98-2 ***Properties of HIV envelope expressed in the presence of SPC3, an Env-derived peptide drug under phase II clinical trials.***
Barbouche, R., Fenouillet, E., Papandréou, M.-J., Kiény, M.-P., Sabatier, J.-M., *J. Peptide Res.*, 52, 283-288 (1998).

98-3 ***Synthetic peptides as tools to investigate the structure and pharmacology of potassium channel-acting short-chain scorpion toxins.***
Lecomte, C., Sabatier, J.-M., Van Rietschoten, J., Rochat, H., *Biochimie*, 80, 151-154 (1998).

98-4 ***Maurotoxin, a four disulfide bridges scorpion toxin acting on K^+ channels.***
Rochat, H., Kharrat, R., Sabatier, J.-M., Mansuelle, P., Crest, M., Martin-Eauclaire, M.-F., Sampieri, F., Oughideni, R., Mabrouk, K., Jacquet, G., Van Rietschoten, J., El Ayeb, M., *Toxicon*, 36, 1609-1611 (1998).

98-5 ***SPC3, an anti-HIV peptide construct derived from the viral envelope, binds and enters HIV target cells.***
Barbouche, R., Miquelis, R., Sabatier, J.-M., Fenouillet, E., *J. Peptide Science*, 4, 479-485 (1998).

97-1 ***In vivo protection against Androctonus australis Hector scorpion toxin and venom by immunization with a synthetic analog of toxin II.***
Zenouaki, I., Kharrat, R., Sabatier, J.-M., Devaux, C., Karaoui, H., Van Rietschoten, J., El Ayeb, M., Rochat, H., *Vaccine*, 15, 187-194 (1997).

97-2 ***Monoclonal antibodies neutralizing the toxin II from Androctonus australis Hector scorpion venom: usefulness of a synthetic, non-toxic analog.***
Devaux, C., Clot-Faybesse, O., Juin, M., Mabrouk, K., Sabatier, J.-M., Rochat, H., *FEBS*, 412,456-460 (1997).

97-3 ***Differential involvement of disulfide bridges on the folding of a scorpion toxin.***
Calabro, V., Sabatier, J.-M., Blanc, E., Lecomte, C., Van Rietschoten, J., Darbon, H., *J. Peptide Res.*, 50, 39-47 (1997).

97-4 ***Solution structure of Maurotoxin, a scorpion toxin from Scorpio maurus, with high affinity for voltage-gated potassium channels.***

Blanc, E., Sabatier, J.-M., Kharrat, R., Meunier, S., El Ayeb, M., Van Rietschoten, J., Darbon, H., *Proteins*, 29, 321-333 (1997).

97-5 ***Solution structure of TsKapa, a charybdotoxin-like scorpion toxin from Tityus serrulatus with high affinity for apamin-sensitive Ca^{2+}-activated K^+ channels.***
Blanc, E., Lecomte, C., Van Rietschoten, J., Sabatier, J.-M., Darbon, H., *Proteins*, 29, 359-369 (1997).

96-1 ***V3 loop-derived multibranched peptides as inhibitors of HIV infection in $CD4^+$ and $CD4^-$ cells.***
Fantini, J., Yahi, N., Mabrouk, K., Rochat, H., Van Rietschoten, J., Sabatier, J.-M., *Perspectives in Drug Discovery and Design*, J. Fantini & J.-M. Sabatier Eds., Escom Science Publishers, 5, 243-250 (1996).

96-2 ***Chemical synthesis and characterization of Maurotoxin, a short scorpion toxin with four disulfide bridges acting on K^+ channels.***
Kharrat, R., Mabrouk, K., Crest, M., Darbon, H., Oughideni, R., Martin-Eauclaire, M.-F., Jacquet, G., El Ayeb, M., Van Rietschoten, J., Rochat, H., Sabatier, J.-M., *Eur. J. Biochem.*, 242, 491-498 (1996).

96-3 ***Synthesis and characterization of Leiurotoxin I analogs lacking one disulfide bridge: Evidence that disulfide pairing 3-21 is not required for full toxin activity.***
Sabatier, J.-M., Lecomte, C., Mabrouk, K., Darbon, H., Oughideni, R., Canarelli, S., Rochat, H., Martin-Eauclaire, M.-F., Van Rietschoten, J., *Biochemistry*, 35, 10641-10647 (1996).

96-4 ***Anti-HIV activity of multibranched peptide constructs derived either from the cleavage sequence or from the transmembrane domain (gp41) of the human immunodeficiency virus type 1 envelope.***
Sabatier, J.-M., Mabrouk, K., Moulard, M., Rochat, H., Van Rietschoten, J., Fenouillet, E., *Virology*, 223, 406-408 (1996).

95-1 ***Structure-activity relationship study of a scorpion toxin with high affinity for apamin-sensitive potassium channels by means of the solution structure of analogues.***
Inisan, A.G., Meunier, S., Fedelli, O., Altbach, M., Fremont, V., Sabatier, J.-M., Thévan, A., Cambillau, C., Darbon, H., *Int. J. Peptide Protein Res.*, 45, 441-450 (1995).

95-2 ***Synthetic multimeric peptides derived from the principal neutralization domain (V3 loop) of HIV-1 gp120 bind to galactosylceramide and block HIV-1 infection in a human CD4-negative mucosal epithelial cell line.***
Yahi, N., Sabatier, J.-M., Baghdiguian, S., Gonzalez-Scarano, F., Fantini, J., *J. Virol.*, 69, 320-325 (1995).

95-3 ***SPC3, a nontoxic peptide inhibitor of HIV infection.***
Sabatier, J.-M., Baghdiguian, S., Yahi, N., Rochat, H., Van Rietschoten, J., Fantini, J., *In Vitro*, 31, 415-418 (1995).

95-4 ***SPC3, a synthetic peptide derived from the V3 domain of HIV-1 gp120, inhibits HIV-1 entry into $CD4^+$ and $CD4^-$ cells by two distinct mechanisms.***
Yahi, N., Fantini, J., Baghdiguian, S., Mabrouk, K., Rochat, H., Van Rietschoten, J., Sabatier, J.-M., *Proc. Natl. Acad. Sci. USA*, 92, 4867-4871 (1995).

95-5 ***Rôle des glycolipides dans l'infection des cellules par le virus du SIDA.***
Fantini, J., Baghdiguian, S., Sabatier, J.-M., Yahi, N., *Journal Français des Oléagineux, Acides gras et Lipides*, 2, 104-107 (1995).

94-1 ***Structural and pharmacological diversity of scorpion neurotoxins.***
Darbon, H., Sabatier, J.-M., *Current Topics in Peptide Protein Res.*, 1, (1994).

94-2 ***Des constructions peptidiques (SPC) inhibent l'entrée du VIH dans les cellules: Une nouvelle classe d'anti-rétroviraux.***
Fantini, J., Yahi, N., Mabrouk, K., Van Rietschoten, J., Rochat, H., Sabatier, J.-M., *Science, Technique et Technologie*, N° 26, 4-8 (1994).

94-3 ***Leiurotoxin I, a scorpion toxin specific for Ca^{2+}- activated K^{+} channels: Structure-activity analysis using synthetic analogs.***
Sabatier, J.-M., Fremont, V., Mabrouk, K., Crest, M., Darbon, H., Rochat, H., Van Rietschoten, J., Martin-Eauclaire, M.-F., *Int. J. Peptide Protein Res.*, 43, 486-495 (1994).

94-4 ***Evaluation of multi-branched peptides as inhibitors of HIV infection.***
Yahi, N., Fantini, J., Mabrouk, K., Van Rietschoten, J., Rochat, H., Sabatier, J.-M., *Letters in Peptide Science*, 1, 17-24 (1994).

94-5 ***Multi-branched peptide constructs (MBPC) of the V3 loop of envelope glycoprotein gp120 inhibit human immunodeficiency virus-induced syncytium formation.***
Benjouad, A., Fenouillet, E., Gluckman, J.-C., Sabatier, J.-M., *Antiviral Chemistry and Chemotherapy*, 5, 195-196 (1994).

94-6 ***Multi-branched V3 peptides inhibit human immunodeficiency virus infection in human lymphocytes and macrophages.***
Yahi, N., Fantini, J., Mabrouk, K., Tamalet, C., De Micco, P., Van Rietschoten, J., Rochat, H., Sabatier, J.-M., *J. Virol.*, 68, 5714-5720 (1994).

94-7 ***Suramin inhibits binding of the V3 region of human immunodeficiency virus type 1 envelope glycoprotein gp120 to galactosyl ceramide (GalCer).***
Yahi, N., Sabatier, J.-M., Nickel, P., Mabrouk, K., Gonzalez-Scarano, F., Fantini, J., *J. Biol. Chem.*, 269, 24349-24353 (1994).

94-8 ***Multi-branched V3 peptides as HIV inhibitors.***
Fantini, J., Yahi, N., Mabrouk, K., Van Rietschoten, J., Rochat, H., Sabatier, J.-M., *Current Topics in Peptide Protein Res.*, 1, 11-24 (1994).

93-1 ***Multi-branched peptides based on the HIV-1 V3 loop consensus motif inhibit HIV-1 and HIV-2 infection in $CD4^{+}$ and $CD4^{-}$ cells.***
Fantini, J., Yahi, N., Mabrouk, K., Van Rietschoten, J., Rochat, H., Sabatier, J.-M., *C. R. Acad. Sci.*, 316, 1381-1387 (1993).

93-2 ***Solution structure of P05-NH2, a scorpion toxin analog with high affinity for apamin-sensitive potassium channel.***
Meunier, S., Bernassau, J.-M., Sabatier, J.-M., Martin-Eauclaire, M.-F., Van Rietschoten, J., Cambillau, C., Darbon, H., *Biochemistry*, 32, 11969-11976 (1993).

93-3 ***P05, a new leiurotoxin I scorpion toxin: synthesis and structure-activity relationships of the α-amidated analog, a ligand of Ca^{2+}- activated K^{+} channels with increased affinity.***
Sabatier, J.-M., Zerrouk, H., Darbon, H., Mabrouk, K., Benslimane, A., Rochat, H., Martin-Eauclaire, M.-F., Van Rietschoten, J., *Biochemistry*, 32, 2763-2770 (1993).

93-4 ***Characterization of minor and major antigenic regions within the hepatitis B virus nucleocapsid (HBcAg).***
Tordjman, M., Fontan, G., Rabillon, V., Martin, J., Trepo, C., Hoffenbach, A., Mabrouk, K., Sabatier, J.-M., Van Rietschoten, J., Somme, G., *J. Med.Virol.*, 41, 3221-3229 (1993).

93-5 ***Cytotoxic effect on lymphocytes of Tat from human immunodeficiency virus type 1.***

Benjouad, A., Mabrouk, K., Moulard, M., Gluckman, J.-C., Rochat, H., Van Rietschoten, J., Sabatier, J.-M., *FEBS*, 319, 119-124 (1993).

91-1 ***La protéine Nef du virus HIV-1 : facteur de controverse.***
Sabatier, J.-M., Van Rietschoten, J., Granier, C., Bahraoui, E., *Médecine/Sciences*, 7, 62-65 (1991).

91-2 ***Evidence for neurotoxic activity of Tat from human immunodeficiency virus type 1.***
Sabatier, J.-M., Vives, E., Mabrouk, K., Benjouad, A., Rochat, H., Duval, A., Hue, B., Bahraoui, E., *J. Virol.*, 65, 961-967 (1991).

91-3 ***Lethal neurotoxicity in mice of the basic domains of HIV and SIV Rev proteins: Study of these regions by circular dichroism.***
Mabrouk, K., Van Rietschoten, J., Vives, E., Darbon, H., Rochat, H., Sabatier, J.-M., *FEBS*, 289, 13-17 (1991).

90-1 ***Large fragments of Nef-protein and gp110 envelope glycoprotein from HIV-1 : synthesis, CD analysis and immunoreactivity.***
Sabatier, J.-M., Fontan, G., Loret, E., Mabrouk, K., Rochat, H., Gluckman, J.-C., Montagnier, L., Granier, C., Bahraoui, E., Van Rietschoten, J., *Int. J. Peptide Protein Res.* , 35, 63-72 (1990).

90-2 ***Immunogenicity and antigenicity of the human immunodeficiency virus (HIV) recombinant nef gene product. Mapping of T- and B-cell epitopes in immunized chimpanzees.***
Bahraoui, E., Yagello, M., Billaud, J.-N., Sabatier, J.-M., Guy, B., Muchmore, E., Girard, M., Gluckman, J.-C., *AIDS Res. Hum. Retrovir.*, 6, 1087-1098 (1990).

90-3 ***Relevance of anti-Nef antibodies detection as an early serological marker of HIV infection.***
Bahraoui, E., Benjouad, A., Sabatier, J.-M., Allain, J.-P., Laurian, Y., Montagnier, L., Gluckman, J.-C., *Blood*, 76, 257-264 (1990).

89-1 ***Identification of a common domain in calmodulin-activated eukaryotic and bacterial adenylate cyclases.***
Goyard, S., Orlando, C., Sabatier, J.-M., Labruyère, E., D'Alayer, J., Fontan G., Van Rietschoten, J., Mock, M., Danchin, A., Ullmann, A., Monneron, A., *Biochemistry*, 28, 1964-1967 (1989).

89-2 ***Convergent solid phase peptide synthesis VII. Good yields in the coupling of protected segments on a solid support.***
Grandas, A., Albericio, F., Pedroso, E., Giralt, E., Sabatier, J.-M., Van Rietschoten, J., *Tetrahedron*, 45, 4637-4648 (1989).

89-3 ***Use of synthetic peptides for the detection of antibodies against the Nef regulating protein in sera of HIV-infected patients.***
Sabatier, J.-M., Clerget, B., Fontan, G., Fenouillet, E., Granier, C., Gluckman, J.-C., Rochat, H., Van Rietschoten, J., Montagnier, L., Bahraoui, E., *AIDS*, 3, 215-220 (1989).

89-4 ***Accessibility of the highly conserved amino- and carboxy- terminal regions from HIV-1 external envelope glycoprotein.***
Bahraoui, E., Clerget, B., Granier, C., Van Rietschoten, J., Sabatier, J.-M., Rochat, H., Gluckman, J.-C., Montagnier, L., *AIDS Res. Hum. Retrovir.*, 5, 451-463 (1989).

87-1 ***Convergent solid phase peptide synthesis: recent progresses.***
Van Rietschoten, J., Sabatier, J.-M., Tessier, M., Granier, C., Pedroso, E., Grandas, A., Albericio, F., Eritja, R., Nicolas, E., Josa, J., Giralt, E., *Protides of the Biological Fluids*, H. Peeters Ed., Pergamon Press, 1987, pp. 23-26.

87-2 ***Reduction and reoxidation of the neurotoxin II from the scorpion Androctonus australis Hector.***
Sabatier, J.-M., Darbon, H., Fourquet, P., Rochat, H., Van Rietschoten, J., *Int. J. Peptide Protein Res.*, 30, 125-134 (1987).

87-3 ***Convergent solid phase peptide synthesis VI: Syntheses by the Fmoc-amino acids with a modified protocol of two protected segments ; sequence 5-17 and 18-31 of the neurotoxin II of the scorpion Androctonus australis Hector.***
Sabatier, J.-M., Tessier-Rochat, M., Granier, C., Van Rietschoten, J., Pedroso, E., Grandas, A., Albericio, F., Giralt, E., *Tetrahedron*, 43, 5973-5980 (1987).

86-1 ***A specific immunological probe for the major myelin proteolipid; confirmation of a deletion in DM 20*.**
Trifilieff, E., Luu, B., Nussbaum, J.-L., Espinosa de los Monteros, A., Sabatier, J.-M., Van Rietschoten, J., *FEBS*, 198, 235-239 (1986).

- PUBLICATIONS: (proceedings of congresses and symposia)
(published = 24)

01-1 ***Maurotoxin vs Pi1 scorpion toxins: towards new insights in the understanding of their distinct disulfide bridge patterns.***
Fajloun, Z., Mosbha, A., Carlier, E., Mansuelle, P., Sandoz, G., Fathallah, M., di Luccio, E., Devaux, C., Van Rietschoten, J., Rochat, H., Darbon, H., De Waard, M., Sabatier, J.-M., In: *«Peptides 2000»*, Proc. of the 26th Eur. Pept. Symp., J. Martinez and J.A. Fehrentz Eds, EDK Editions, 2001, pp 559-560.

01-2 ***Study on the in vitro oxidation/folding of Maurotoxin, a 4 disulfide-bridged scorpion toxin.***
di Luccio, E., Azulay, D., Fajloun, Z., Mansuelle, P., Oughideni, R., Sampieri, F., Rochat, H., Van Rietschoten, J., De Waard, M., Sabatier, J.-M., In: *«Peptides 2000»*, Proc. of the 26th Eur. Pept. Symp., J. Martinez and J.A. Fehrentz Eds, EDK Editions, 2001, pp 555-556.

01-3 ***Chemical synthesis and characterization of Maurocalcine, a scorpion toxin that activates Ca^{2+} release channel/ryanodine receptors.***
Fajloun, Z., Kharrat, R., Mansuelle, P., Chen, L., Lecomte, C., di Luccio, E., Bichet, D., El Ayeb, M., Rochat, H., Allen, P.D., Pessah, I.N., De Waard, M., Sabatier, J.-M., In: *«Peptides 2000»*, Proc. of the 26th Eur. Pept. Symp., J. Martinez and J.A. Fehrentz Eds, EDK Editions, 2001, pp 631-632.

01-4 ***Modeling of Lebetin peptides, a potent inhibitor of platelet aggregation: molecular dynamics and molecular mechanics studies.***
Fathallah, M., Regaya, I., Camoin, L., Marrakchi, N., Sampol, J., El Ayeb, M., Rochat, H., Sabatier, J.-M., Mabrouk, K., In: *«Peptides 2000»*, Proc. of the 26th Eur. Pept. Symp., J. Martinez and J.A. Fehrentz Eds, EDK Editions, 2001, pp 471-472.

01-5 ***Synthesis, ^{1}H-NMR structure and activity of a three disulfide-bridged Maurotoxin analog designed to restore the consensus motif of scorpion toxins.***
Fajloun, Z., Ferrat, G., Carlier, C., Fathallah, M., Lecomte, C., Sandoz, G., di Luccio, E., Mabrouk, K., Legros, C., Darbon, H., Rochat, H., Sabatier, J.-M., De Waard, M., In: *«Peptides 2000»*, Proc. of the 26th Eur. Pept. Symp., J. Martinez and J.A. Fehrentz Eds, EDK Editions, 2001, pp 629-630.

01-6 ***Ion channel activation by SPC3, a synthetic peptide inhibitor of HIV infection.***
Mabrouk, K., Carlier, C., Fajloun, Z., Moulard, M., Rochat, H., Van Rietschoten, J., De Waard, M., Sabatier, J.-M., In: *«Peptides 2000»*, Proc. of the 26th Eur. Pept. Symp., J. Martinez and J.A. Fehrentz Eds, EDK Editions, 2001, pp 923-924.

00-1 ***SPC3, an HIV-derived multibranched peptide, triggers an ionic conductance in Xenopus oocytes.***

De Waard, M., Carlier, C., Fajloun, Z., Mabrouk, K., Sabatier, J.-M., In: *« Peptides for the new millenium »*, Proc. of the 16th Am. Pept. Symp., G.B. Fields, J.P. Tam and G. Barany Eds, Kluwer Academic Publishers, 2000, pp 758-759.

99-1 ***A multiple branch peptide construction derived from a conserved sequence of the envelope glycoprotein gp41 inhibits human immunodeficiency virus infection.***
Sabatier, J.-M., Moulard, M., Fenouillet, E., Rochat, H., Van Rietschoten, J., Mabrouk, K., ., In: *"Peptides : Frontiers of Peptide Science"*, Proc. of the 15th Am. Pept. Symp., J.P. Tam and P. Kaumaya Eds, KLUWER/ESCOM, Kluwer Academic Publishers,1999, pp 781-782.

98-1 ***Inhibition of HIV infection: Structure-activity study on synthetic multiple branch peptide from a cytoplasmic domain of the envelope glycoprotein gp41.***
Mabrouk, K., Moulard, M., Rochat, H., Sabatier, J.-M., Van Rietschoten, J., Proc. of the 25th Eur. Pept. Symp., 1998.

98-2 ***3-D solution structure of Maurotoxin, a four disulfide bonds scorpion toxin from Scorpio maurus with high affinity for voltage-gated potassium channels.***
Blanc, E., Sabatier, J.-M., Darbon, H., In: *"Peptides 1996"*, Proc. of the 24th Eur. Pept. Symp., R. Ramage and R. Epton Eds, Mayflower Scientific Ltd., 1998, pp 265-266.

98-3 ***The first chemical synthesis of a short scorpion toxin cross-linked by four disulfide bridges, Maurotoxin.***
Kharrat, R., Mabrouk, K., Crest, M., Darbon, H., Oughideni, R., Martin-Eauclaire, M.-F., Jacquet, G., El Ayeb, M., Van Rietschoten, J., Rochat, H., Sabatier, J.-M., In: *"Peptides 1996"*, Proc. of the 24th Eur. Pept. Symp., R. Ramage and R. Epton Eds, Mayflower Scientific Ltd., 1998, pp 537-538.

98-4 ***Synthesis and characterization of Leiurotoxin I analogs lacking one disulfide bridge.***
Sabatier, J.-M., Lecomte, C., Mabrouk, K., Fremont, V., Darbon, H., Oughideni, R., Canarelli, S., Rochat, H., Martin-Eauclaire, M.-F., Van Rietschoten, J., In: *"Peptides 1996"*, Proc. of the 24th Eur. Pept. Symp., R. Ramage and R. Epton Eds, Mayflower Scientific Ltd., 1998, pp 775-776.

96-1 ***SPC3, a synthetic peptide derived from the V3 domain of HIV-1 gp120, inhibits HIV-1 entry into $CD4^+$ and $CD4^-$ cells by two distinct mechanisms.***
Yahi, N., Fantini, J., Baghdiguian, S., Mabrouk, K., Rochat, H., Van Rietschoten, J., Sabatier, J.-M., In: *"Peptides: Chemistry, Structure and Biology"*, Proc. of the 14th Am. Pept. Symp., P.T. Kaumaya and R.S. Hodges Eds, Mayflower Scientific Ltd., 1996, pp 780-781.

95-1 ***Multi-branched V3 peptides inhibit HIV infection in human lymphocytes and macrophages.***
Yahi, N., Fantini, J., Mabrouk, K., Rochat, H., Van Rietschoten, J., Sabatier, J.-M., In: *"Peptides 1994"*, Proc. of the 23rd Eur. Pept. Symp., H.L. Maia Ed, Escom Science Publishers, 1995, pp 881-882.

94-1 ***Study on P05, a new leiurotoxin I-like scorpion toxin.***
Sabatier, J.-M., Zerrouk, H., Darbon, H., Mabrouk, K., Benslimane, A., Rochat, H., Martin-Eauclaire, M.-F., Van Rietschoten, J., In: *"Peptides: Chemistry, Structure, and Biology"*, Proc. of the 13th Am. Pept. Symp., R.S. Hodges and J.A. Smith Eds, Escom Science Publishers, 1994, pp 520-522.

93-1 ***Structure-toxicity relationships study of the basic domains of HIV and SIV Rev proteins.***
Mabrouk, K., Van Rietschoten, J., Vives, E., Darbon, H., Rochat, H., Sabatier, J.-M., In: *"Peptides 1992"*, Proc. of the 22nd Eur. Pept. Symp., G.H. Schneider and A.N. Eberle Eds, Escom Science Publishers, 1993, pp 891-893.

92-1 ***Evidence for neurotoxic activity of Tat from human immunodeficiency virus type 1.***
Sabatier, J.-M., Vives, E., Mabrouk, K., Benjouad, A., Rochat, H., Duval, A., Hue, B., Van Rietschoten, J., Bahraoui, E., In: *"Peptides 1991"*, Proc of the 12th Am. Pept. Symp., J. Smith and J. Rivier Eds, Escom Leiden, 1992, pp 707-708.

91-1 ***Synthetic peptides as antigens for detection by ELISA of anti-HBc antibodies in patients infected by Hepatitis B virus (HBV).***
Fontan, G., Tordjman, M., Sabatier, J.-M., Mabrouk, K., Offenbach, A., Martin, J., Van Rietschoten, J., Sommé, G., In: *"Peptides 1990"*, Proc. of the 21th Eur. Pept. Symp., E. Giralt and D. Andreu Eds, Escom Science Publishers, 1991, pp 903-904.

90-1 ***Prevalence of anti-Nef positive sera in HIV-infected patients: mapping of the major epitopes of Nef-protein using synthetic peptides.***
Sabatier, J.-M., Van Rietschoten, J., Granier, C., Gluckman, J.-C., Montagnier, L., Bahraoui, E., In: *"Peptides: Chemistry, Structure and Biology"*, Proc. of the 11th Am. Pept. Symp., J. Rivier and G.R. Marshall Eds, Escom, Leiden, 1990, pp 847-848.

89-1 ***Coupling of peptide segments in convergent solid phase peptide synthesis.***
Grandas, A., Albericio, F., Pedroso, E., Giralt, E., Sabatier, J.-M., Van Rietschoten, J., In:*"Peptides 1988"*, Proc. of the 20th Eur. Pept. Symp., G. Jung and E. Bayer Eds, Walter de Gruyter, Berlin-New York, 1989, pp 160-162.

89-2 ***Probing of macromolecular structures by site specific antibodies: a few successes.***
Granier, C., Bahraoui, E., Fourquet, P., Sabatier, J.-M., Fontan, G., Céard, B., Labbé-Jullié, C., Van Rietschoten, J., In: *"Second Forum on Peptides"*, A. Aubry, M. Marraud, B. Vitoux Eds., INSERM/J. Libbey Eurotext Ltd., 1989, 174, pp 189-192.

89-3 ***Solid phase segments coupling; quality control by automated Edman degradation of peptidyl-resin.***
Van Rietschoten, J., Sabatier, J.-M., Paroutaud, P., Albericio, F., Grandas, A., Pedroso, E., Giralt, E., In: *"Second Forum on Peptides"*, A. Aubry, M. Marraud, B. Vitoux Eds., INSERM/J. Libbey Eurotext Ltd., 1989, 174, pp 215-219.

88-1 ***Reoxidation of basic insoluble reduced proteins: example of scorpion neurotoxin II of Androctonus australis Hector.***
Sabatier, J.-M., Darbon, H., Fourquet, P., Rochat, H., Van Rietschoten, J., In: *"Peptides, Chemistry and Biology"*, Proc. of the 10th Am. Pept. Symp., G.R. Marshall Ed., Escom, Leiden, 1988, pp 379-380.

87-1 ***Solid phase synthesis with Fmoc-amino acids: an alternative protocol.***
Van Rietschoten, J., Fourquet, P., Sabatier, J.-M., Granier, C. In: *"Peptides 1986"*, Proc. of the 19th Eur. Pept. Symp., D. Theodoropoulos Ed., Walter de Gruyter, Berlin-New York, 1987, pp 179-182.

- Poster and oral reports (congress - symposium)
  (presented = 174)

19-1 ***Survey of pharmacological synergism of melittin with antibiotics against multi-drug resistant P. aeruginosa and A. baumanni.***
Akbari, R., Hakemi-Vala, M., Bagheri, K.P., Sabatier, J.-M., Hashemi, A., Pashaei, F., Bavalian, P., *29th European Congress of Clinical Microbiology and Infectious Diseases*, Amsterdam (Pays-Bas), 2019.

19-2 ***Designing and screening melittin's derivative peptides and evaluation of their antibacterial activity and toxicity in cell.***
Akbari, R., Hakemi-Vala, M., Bagheri, K.P., Sabatier, J.-M., Hashemi, A., *29th European Congress of Clinical Microbiology and Infectious Diseases*, Amsterdam (Pays-Bas), 2019.

16-1 ***Contribution of peptide synthesis in the study of animal toxins: a few examples.***

Sabatier, J.-M., *MATI meeting, International Network of the Pasteur Institutes*, Téhéran (Iran), 2016.

15-1 ***Tat Oyi-based candidate therapeutic vaccine: a successful phase 1 clinical trial in HIV-1 infected patients.***
Escaich, S., Sabatier, J.-M., De Mareuil, J., *Retrovirus and Novel Drugs*, Chicago (USA), 2015.

14-1 ***NADPH oxidase as a target to control pathological cell motility.***
Mousslim, M., Pagano, A., Andreotti, N., Culcasi, M., Thuault, S., Parat, F., Luis, J., Sadok, A., Pietri, S., Sabatier, J.-M., Kovacic, H., *5th French Cell Adhesion Club Symposium*, Marseille (France), 2014.

14-2 ***NADPH oxidase as a target to control pathological cell motility.***
Mousslim, M., Pagano, A., Andreotti, N., Culcasi, M., Thuault, S., Parat, F., Luis, J., Sadok, A., Pietri, S., Sabatier, J.-M., Kovacic, H., *Gordon Research Conference on Nox Family NADPH Oxidases*, Lucca (Italy), 2014.

14-3 ***Scorpion toxin-derived peptides as candidate therapeutic drugs.***
Sabatier, J.-M., *International Academic Lecture*, University of Ismaïlia (Egypt), 2014.

14-4 ***Characterization of two Moroccan scorpion venoms: proteomic analysis, neurotoxicity, myotoxicity and sensitivity to neutralization by commercial polyclonal antivenom.***
Oukkache, N., Rusmili, M.R., Othman, I., Ghalim, N., Chgoury, F., Boussadda, L., El Mdaghri, N., Sabatier, J.-M., *22nd Meeting on Toxinology, 'Toxins: new targets and new functions'*, Paris (France), 2014.

13-1 ***Two arginine residues from the SK3 channel outer vestibule controls selectivity of recognition by scorpion toxins.***
Feng, J., Hu, Y., Yi, H., Yin, S., Han, S., Hu, J., Chen, Z., Yang, W., Cao, Z., De Waard, M., Sabatier, J.-M., Li, W., Wu, Y., *11th Chinese Meeting on Toxins and Their Applications*, Qing Dao (China), 2013.

12-1 ***Design of novel membrane channel specific ligands.***
Sabatier, J.-M., *International Academic Lectures on Frontier Molecular Physiology*, Shanghaï (China), 2012.

12-2 ***Apport de la RMN et de la modélisation moléculaire pour la conception de nouveaux médicaments.***
Mosbah, A., Abbour, S., Fajloun, Z., Andreotti, N., de Lamballerie, X., Baudy-Floch, M., Sabatier, J.-M., *ATSB Congress*, Hammamet (Tunisia), 2012.

12-3 ***Peptide-based competitive enzyme-linked immunosorbent assay and magnetic protein A beads for analysis of Ochratoxin A, in red wine.***
Hadj Hassine, I., Andreotti, N., Sabatier, J.-M., Gonzalez, C., Bazin, I., *XVIIème Rencontres Transfrontalières Capteurs et Biocapteurs*, Tarragona (Spain), 2012.
1st Prize (best scientific advance).

12-4 ***Peptide binding to Ochratoxin A mycotoxin: a new approach in conception of biosensors.***
Bazin, I., Andreotti, N., Hadj Hassine, I., De Waard, M., Sabatier, J.-M., Gonzalez, C., *XIIth World Congress on Biosensors*, Cancun (Mexico), 2012.

11-1 ***Identification of peptides which bind to the mycotoxin Ochratoxin A used in future biosensor.***
Bazin, I., Hadj Hassine, I., Andreotti, N., Sabatier, J.-M., Gonzalez, C., *XVIème Rencontres Transfrontalières Capteurs et Biocapteurs*, Toulouse (France), 2011.

08-1 ***Solid-phase synthesis, a biotechnological approach for structure-activity relationships of scorpion toxins: innovative strategy of chemical synthesis of Maurotoxin with constrained disulfide bridging.***
M'Barek, S., Sampieri, F., Sabatier, J.-M., *International Symposium on Biotechnology*, Sfax (Tunisia), 2008.

08-2 ***Les toxines de scorpion : « outils » en Neurosciences.***
M'Barek, S., Sampieri, F., Sabatier, J.-M., *IVème Journées de Neurosciences*, Tunis (Tunisia), 2008.

06-1 ***Blockade of neural voltage-gated K^+ channels applied to neuroinflammatory disease therapy.***
Beraud, E., Viola, A., Regaya, I., Confort-Gouny, S., Siaud, P., Ibarrola, D., Le Fur, Y., Barbaria, J., Pellissier, J.-F., Sabatier, J.-M., Medina, I., Cozzone, P., *14ème Rencontres en Toxinologie : « Toxines et Cancer »*, Paris (France), 2006.

06-2 ***Scorpion toxins active on potassium channels: a new field for cancer treatment ?***
Mouhat, S., Visan, V., Ananthakrishnan, S., Wulff, H., Andreotti, S., Grissmer, S., Darbon, H., De Waard, M., De Waard, M., De Rougé, B., Sabatier, J.-M., *14ème Rencontres en Toxinologie : « Toxines et Cancer »*, Paris (France), 2006.

05-1 ***Les toxines de scorpion comme modèles moléculaires pour l'étude du processus de repliement et d'oxydation in vitro des protéines.***
Sabatier, J.-M., *14ème Réunion Peptides et Protéines*, Aussois (France), 2005. Conférencier invité.

05-2 ***RLmb, une nouvelle construction peptidique dérivée de la glycoprotéine transmembranaire gp41 du VIH : synthèse chimique et activitée anti-virale.***
Sabatier, J.-M., Moulard, M., Doria, E., Mouhat, S., Guieu, R., De Waard, M., Mabrouk, K., *14ème Réunion Peptides et Protéines*, Aussois (France), 2005.

05-3 ***Un tripeptide isolé du venin Cerastes cerastes inhibe fortement l'agrégation plaquettaire : purification, synthèse et caractérisation biologique.***
Mabrouk, K., Marrakchi, N., Sabatier, J.-M., Rochat, H., Guieu, R., El Ayeb, M., *14ème Réunion Peptides et Protéines*, Aussois (France), 2005.

05-4 ***Etude de relations structure-fonction d'une toxine de scorpion active sur les canaux K^+ : Conception et stratégie innovante de synthèse d'une Maurotoxine avec un appariement conventionnel des ponts disulfure.***
M'Barek, S., Fajloun, Z., El Ayeb, M., Sampieri, F., Sabatier, J.-M., *16ème Journées Biologiques de l'ATSB*, Hammamet (Tunisie), 2005.

05-5 ***Mechanism of drug resistance in Hepatitis C: the case of protease inhibitor BILN-2061.***
Courcambeck, J., Perbost, R., Chabaud, P., Pèpe, G., Bouzidi, M., Mabrouk, K., Sabatier, J.-M., Halfon, P., *40th Annual Meeting of the European Association for the Study of Liver*, Paris (France), 2005.

05-6 ***Molecular susceptibility profile of BILN-2061 to various Hepatitis C virus genotypes: a narrow genotype spectrum?***
Courcambeck, J., Perbost, R., Chabaud, P., Pèpe, G., Bouzidi, M., Mabrouk, K., Sabatier, J.-M., Halfon, P., *40th Annual Meeting of the European Association for the Study of Liver*, Paris (France), 2005.

05-7 ***Cell penetration properties of maurocalcine: a new efficient peptide vector for cell entry of proteins and nanoparticles.***
Leon, L., Boisseau, S., Molière, B., Grunwald, D., Collin, V., Sabatier, J.-M., Ronjat, M., Mabrouk, K., De Waard, M., *Pepvec, Satellite Meeting of the Joint 15th IUPAB & 5th EBSA International Biophysics Congress,* Montpellier (France), 2005; Prix du meilleur poster.

05-8 ***Entry inhibitor GNS037 rexhibits potent anti-HIV activity in vitro.***
Halfon, P., Sabatier, J.-M., Perbost, R., Jouirou, B., Cacoub, P., Lavilette, D., Cosset, F.-L., *56th Annual Meeting of the American Association for the Study of Liver Diseases*, San Francisco (U.S.A.), 2005.

04-1 ***Repliement et oxydation de peptides complexes.***
Sabatier, J.-M., *Atelier Technologique INSERM « Du peptide naturel au médicament »*, La Grande Motte (France), 2004. Conférencier invité.

04-2 ***Purification et caractérisation de la lacticine LC14, une bactériocine sécrétée par une souche locale de Lactococcus lactis BMG6.14.***
Lasta, S., Ouzari, H.I., Sabatier, J.-M., Boudabous, A., *Premier Séminaire de Microbiologie*, Hammamet (Tunisie), 2004.

04-3 ***Molecular mechanism susceptibility profile of BILN-2061 to various hepatitis C virus genotypes and NS3-NS4A protease inhibitor mutation: D168A and D168V.***
Courcambeck, J., Perbost, R., Chabaud, P., Pepe, G., Bouzidi, M., Mabrouk, K., Sabatier, J.-M., Halfon, P., *The Liver Meeting, 55th Annual Meeting of the American Association for the study of Liver Diseases*, Boston, MA (U.S.A.), 2004.
Hepatology 40 (4) : 385A Suppl. 1, Oct. 2004.

03-1 ***Etude de relations structure-fonction de toxines courtes de scorpion à l'aide de chimères synthétiques.***
M'Barek, S., Fajloun, Z., Mosbah, A., Di Luccio, E., Mansuelle, P., Rochat, H., Sampieri, F., Sabatier, J.-M., *5ème Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 2003.

03-2 ***Synthesis, 3-D structure, and pharmacology of a reticulated chimeric peptide derived from Maurotoxin and Tsk scorpion toxins.***
Fajloun, Z., Ferrat, E., Carlier, E., M'Barek, S., Regaya, I., Fathallah, M., Rochat, H., Darbon, H., De Waard, M., Sabatier, J.-M., *5ème Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 2003.

03-3 ***Synthesis and pharmacological characterization of structural analogs of Maurocalcine, a scorpion toxin active on calcium channel/ryanodine receptor (RyR).***
Estève, E., Ronjat, M., De Waard, M., Rochat, H., Sabatier, J.-M., *5ème Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 2003.

03-4 ***Kinetics, structural and electrophysiological studies of the in vitro folding/oxidation of Maurotoxin, a four disulfide-bridged scorpion toxin.***
Di Luccio, E., Opi, S., Sandoz, G., M'Barek, S., Carlier, E., Matavel, A., Rochat, H., Loret, E., De Waard, M., Sabatier, J.-M., *5ème Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 2003 ; Prix du meilleur poster.

03-5 ***Design and characterization of a highly selective peptide inhibitor of the small conductance calcium-activated K^+ channel, SKCa2.***
Regaya, I., Shakkottai, V.G., Wulff, H., Fajloun, Z., Tomita, H., Fathallah, M., Cahalan, M.D., Gargus, J.J., Chandy, K.G., Sabatier, J.-M., *5ème Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 2003.

03-6 ***Synthèse chimique et caractérisation pharmacologique d'analogues de la Leiurotoxine I, une toxine de scorpion active sur les canaux SKCa.***
Andreotti, N., Regaya, I., Fajloun, Z., Rochat, H., Chandy, K.G., Devaux, C., Sabatier, J.-M., *5ème Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 2003.

03-7 ***Maurotoxin, a potent inhibitor of intermediate conductance Ca^{2+}-activated potassium channels.***
Fajloun, Z., Castle, N.A., London, D.O., Creech, C., Stocker, J.W., Sabatier, J.-M., *5ème Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 2003.

03-8 ***Des modifications lipophiles de la molécule SPC3 augmentent son activité anti-VIH.***
Sabatier, J.-M., Rangeva, M.-P., Doria, E., De Mareuil, J., Van Rietschoten, J., Rochat, H., Gras-Masse, H., Mabrouk, K., *5ème Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 2003.

03-9 ***CssIV, une toxine de scorpion active sur les canaux sodium potentiel-dépendants : Synthèse et caractérisation pharmacologique.***
Cestèle, S., Jouirou, B., Devaux, C., Mansuelle, P., Sampieri, F., Rochat, H., Sabatier, J.-M., Mabrouk, K., *5ème Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 2003.

03-10 ***Les Lébétines, peptides inhibiteurs de l'aggrégation plaquettaire : Synthèse chimique, activité biologique et étude structurale par RMN.***
Mosbah, A., Jouirou, B., Fathallah, M., Gonzales, M.J., Marrakchi, N., El Ayeb, M., Giralt, E., Van Rietschoten, J., Camoin, L., Sampol, J., Rochat, H., Sabatier, J.-M., Darbon, H., Mabrouk, K., *5ème Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 2003.

03-11 ***Conception, synthèse par voie chimique, caractérisation pharmacologique et structure 3-D d'une mini-Maurotoxine.***
Jouirou, B., Mosbah, A., De Waard, M., Lopez-Gonzales, I., Fathallah, M., Devaux, C., Cestèle, S., Mansuelle, P., Kharrat, R., El Ayeb, M., Rochat, H., Sabatier, J.-M., Mabrouk, K., *5ème Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 2003.

03-12 ***Maurotoxin, a molecular model of scorpion toxin engineering.***
Rochat, H., Sabatier, J.-M., *14th World Congress on Animal, Plant and Microbial Toxins*, Adelaide (Australie), 2003.

03-13 ***Design and synthesis of pharmacologically selective scorpion toxin-derived peptides: therapeutic potential in experimental autoimmune encephalomyelitis.***
Regaya, I., Andreotti, N., Ferrat, G., Beeton, C., di Luccio, E., Darbon, H., Chandy K.G., Béraud, E., Sabatier, J.-M., *Conférences François Lhermitte*, 13ème Réunion de l'ARSEP, Paris (France), 2003.

03-14 ***La maurotoxine, un modèle moléculaire d'ingénierie de toxines de scorpion : stratégie innovante de sa synthèse avec un appariement conventionnel des ponts disulfure.***
M'Barek, S., Lopez-Gonzalez, I., Andreotti, N., di Luccio, E., Visan, V., Grissmer, S., Judge, S., El Ayeb, M., Darbon, H., Rochat, H., Sampieri, F., Fajloun, Z., De Waard, M., Sabatier, J.-M., *11ème Rencontres en Toxinologie : « Toxinogénèse naturelle, toxinogénèse anthropique »*, Paris (France), 2003.

03-15 ***Synthèse chimique et caractérisation pharmacologique de Pi4, une toxine de scorpion isolée du venin du scorpion Pandinus imperator, active sur les canaux potassium.***
M'Barek, S., Mosbah, A., Sandoz, G., Mansuelle, P., Fajloun, Z., Possani, L., Rochat, H., Sampieri, F., Delepierre, M., De Waard, M., Sabatier, J.-M., *11ème Rencontres en Toxinologie : « Toxinogénèse naturelle, toxinogénèse anthropique »*, Paris (France), 2003.

03-16 ***Conception, synthèse chimique et caractérisation d'une chimère à 5 ponts disulfure dérivée de la Butantoxine et la Maurotoxine, deux toxines de scorpion actives sur les canaux potassium.***
M'Barek, S., Andreotti, N., di Luccio, E., Visan, V., Chagot, B., Mansuelle, P., Grissmer, S., Rochat, H., El Ayeb, M., Marrakchi, M., Sampieri, F., Darbon, H., Sabatier, J.-M., Fajloun, Z., *11ème Rencontres en Toxinologie : « Toxinogénèse naturelle, toxinogénèse anthropique »*, Paris (France), 2003.

03-17 ***Première synthèse chimique et caractérisation d'une toxine longue de scorpion : la toxine 1 d'Androctonus australis hector (Aah1), active sur les canaux sodium.***
M'Barek, S., Fajloun, Z., Devaux, C., Mansuelle, P., Cestèle, S., Rochat, H., El Ayeb, M., Sabatier, J.-M., Sampieri, F., *11ème Rencontres en Toxinologie : « Toxinogénèse naturelle, toxinogénèse anthropique »*, Paris (France), 2003.

03-18 ***Elementary calcium release events (ECRE) in the presence of the scorpion toxin maurocalcine.***
Csernoch, L., Szappanos, H., Cseri, J., Gonczi, M., Sabatier, J.-M., Altafaj, X., De Waard, M., Ronjat, H., *47th Annual Meeting of the Biophysical Society*, Baltimore (U.S.A.), 2003.
Biophys. J. 86 (1): 579A Part 2, Suppl. S, Jan. 2004.

03-19 ***Is the block of current through voltage-gated Kv1.2 channels by maurotoxin pH dependent?***
Visan, V., Sabatier, J.-M., Grissmer, S., *47th Annual Meeting of the Biophysical Society*, Baltimore (U.S.A.), 2003.
Biophys. J. 86 (1) : 538A Part 2, Suppl. S, Jan. 2004.

03-20 ***Identification of the maurocalcine and domain a of the II-III loop of DHPR Ca(v)1.1 alpha subunit binding sites on skeletal ryanodine receptor.***
Altafaj, X., Esteve, E., Cheng, W., Brocard, J.U., Coronado, R., Jona, I., Sabatier, J.-M., De Waard, M., Ronjat, H., *47th Annual Meeting of the Biophysical Society*, Baltimore (U.S.A.), 2003.
Biophys. J. 86 (1) : 429A-430A Part 2, Suppl. S, Jan. 2004.

03-21 ***Effect of maurocalcine on the calcium release channel.***
Szegedi, C., Almassy, J., Sabatier, J.-M., Jona, I., *47th Annual Meeting of the Biophysical Society*, Baltimore (U.S.A.), 2003.
Biophys. J. 86 (1) : 224A Part 2, Suppl. S, Jan. 2004.

02-1 ***Lei-Dab7, a selective blocker of the small conductance calcium-activated K^+ channel, SKCa2.***
Regaya, I., Shakkottai, V.G., Fajloun, Z., Sabatier, J.-M., Chandy, K.G., Rochat, H., *12ème Réunion du Groupe Français des Peptides et Protéines*, Aussois (France), 2002.

02-2 ***Synthèse chimique et caractérisation de Pi4, une toxine de scorpion courte isolée du venin du scorpion Pandinus imperator, et active sur les canaux potassium.***
M'Barek, S., Fajloun, Z., Rochat, H., Sampieri, F., Delepierre, M., Sabatier, J.-M., *12ème Réunion du Groupe Français des Peptides et Protéines*, Aussois (France), 2002.

02-3 ***Synthesis, 3-D structure and pharmacology of a chimeric peptide derived from Maurotoxin and Tsk scorpion toxins.***
Fajloun, Z., Ferrat, G., Carlier, E., M'Barek, S., Regaya, I., Fathallah, M., Rochat, H., Darbon, H., De Waard, M., Sabatier, J.-M., *12ème Réunion du Groupe Français des Peptides et Protéines*, Aussois (France), 2002.

02-4 ***Synthèse et caractérisation pharmacologique d'analogues structuraux de la Maurocalcine, une toxine de scorpion active sur les canaux calcium ryanodine-sensibles.***
Estève, E., Sabatier, J.-M., Rochat, H., *12ème Réunion du Groupe Français des Peptides et Protéines*, Aussois (France), 2002.

02-5 ***Kinetics, structural and electrophysiological studies of the in vitro folding/oxidation of Maurotoxin, a four disulfide-bridged scorpion toxin.***
Di Luccio, E., Rochat, H., De Waard, M., Sabatier, J.-M., *12ème Réunion du Groupe Français des Peptides et Protéines*, Aussois (France), 2002.

02-6 ***Synthèse et caractérisation pharmacologique de CssIV, une toxine de scorpion active sur les canaux sodium potentiel-dépendants.***
Cestèle, S., Jouirou, B., Mansuelle, P., Rochat, H., Sabatier, J.-M., Mabrouk, K., *12ème Réunion du Groupe Français des Peptides et Protéines*, Aussois (France), 2002.

02-7 ***MMFII, une nouvelle bactériocine isolée de lactocoques de dérivés laitiers : Synthèse et caractérisations structurale et biologique.***
Ferchichi, M., Fathallah, M., Mansuelle, P., Rochat, H., Sabatier, J.-M., Manai, M., Mabrouk, K., *12ème Réunion du Groupe Français des Peptides et Protéines*, Aussois (France), 2002.

02-8 ***Des modifications lipophiles de la molécule SPC3 augmentent son activité anti-VIH.***
Sabatier, J.-M., Rangeva, M.-P., Doria, E., Van Rietschoten, J., Rochat, H., Mabrouk, K., *12ème Réunion du Groupe Français des Peptides et Protéines*, Aussois (France), 2002.

02-9 ***Etude des relations structure-activité des lébétines, peptides inhibiteurs de l'aggrégation plaquettaire.***
Fathallah, M., Regaya, I., Gonzales, M.J., Marrakchi, N., El Ayeb, M., Giralt, E., Van Rietschoten, J., Sabatier, J.-M., Mabrouk, K., *12ème Réunion du Groupe Français des Peptides et Protéines*, Aussois (France), 2002.

02-10 ***Traitement de l'Encéphalomyélite Autoimmune Expérimentale à l'aide de bloqueurs peptidiques des canaux potassium.***
Beeton, C., Wulff, H., Barbaria, J., Clot-Faybesse, O., Pennington, M., Sabatier, J.-M., Cahalan, M.D., Chandy, K.G., Béraud, E., *12ème Réunion du Groupe Français des Peptides et Protéines*, Aussois (France), 2002.

02-11 ***Kinetics, structural and electrophysiological studies of the in vitro folding/oxidation of Maurotoxin, a four disulfide-bridged scorpion toxin.***
Di Luccio, E., Rochat, H., De Waard, M., Sabatier, J.-M., *1st International Conference on Biomedical Spectroscopy*, Cardiff (U.K.), 2002.

02-12 ***Action de la maurocalcine (sMCa), une toxine de scorpion, sur les récepteurs sensibles à la ryanodine (RyR) régulant les réserves de calcium du réticulum sarcoplasmique.***
Estève, E., Sabatier, J.-M., Ronjat, M., De Waard, M., Rochat, H., *Colloque "Canaux Ioniques"*, 13ème Edition, La Londe les Maures (France), 2002.

02-13 ***New laminin-peptide promotes extracellular matrix production and modulates cell adhesion.***
Bauza, E., Perrin, A., Cucumel, K., Dal Farra, C., Botto, J.-M., Portolan, F., Sabatier, J.-M., Domloge, N., *Society for Investigative Dermatology*, Philadelphie (U.S.A.), 2002.

02-14 ***A new fibronectin peptide that enhances epidermal cell adhesion***
Dal Farra, C., Bauza, E., Perrin, A., Botto, J.-M., Portolan, F., Sabatier, J.-M., Domloge, N., *20th World Congress of Dermatology*, Paris (France), 2002.

02-15 ***Etude des relations structure-fonction de la Maurotoxine.***
di Luccio, E., Fajloun, Z., Mouhat, S., Darbon, H., Rochat, H., De Waard, M., Sabatier, J.-M.,*10ème Rencontres en Toxinologie, "Toxines et Recherches Biomédicales"*, Paris (France), 2002.

02-16 ***Synthèse et caractérisation pharmacologique d'analogues structuraux de la Maurocalcine, une toxine de scorpion active sur les canaux calcium ryanodine-sensibles.***
Estève, E., Ronjat, M., Rochat, H., De Waard, M., Sabatier, J.-M., *Colloque "Canaux Ioniques"*, 13ème Edition, Presqu'île de Giens (France), 2002.

02-17 ***Kinetics, structural and electrophysiological studies of the in vitro folding/oxidation of Maurotoxin, a four disulfide-bridged scorpion toxin.***
Di Luccio, E., Rochat, H., De Waard, M., Sabatier, J.-M., *Colloque "Canaux Ioniques"*, 13ème Edition, Presqu'île de Giens (France), 2002.

02-18 ***Synthèse chimique et caractérisation de Pi4, une toxine courte isolée du venin de scorpion Pandinus imperator et active sur les canaux potassium.***
M'Barek, S., Fajloun, Z., Rochat, H., Sampieri, F., Delepierre, M., Sabatier, J.-M., *27th World Veterinary Congress*, Tunis (Tunisie), 2002.

02-19 ***New laminin-peptide promotes extra-cellular matrix production and modulates cell adhesion.***
Bauza, E., Cucumel, K., Dal Farra, C., Botto, J.-M., Portolan, F., Sabatier, J.-M., Domloge, N.
2rd International Symposium, The Science and Technology of Skin Aging, Cleveland (U.S.A.), 2002.

02-20 ***Maurotoxin block of intermediate conductance, calcium-activated potassium channel, IKCa1, is pH dependent.***
Visan, V., Sabatier, J.-M., Grissmer, S., *46th Annual Meeting of the Biophysical Society*, San Antonio (U.S.A.), 2002.
Biophys. J. 84 (2): 238A Part 2, Suppl. S, Feb. 2003.

02-21 ***Maurocalcine (MCa) modulates ryanodine receptor activity and Ca^{2+} release in muscle cells.***
Estève, E., Smida-Rezgui, S., Marty, I., Jona, I., Sabatier, J.-M., Rochat, H., Chen, L., Allen, P., Pessah, I., De Waard, M., Sorrentino, V., Ronjat, M., *46th Annual Meeting of the Biophysical Society*, San Antonio (U.S.A.), 2002.
Biophys. J. 84 (2): 557A Part 2, Suppl. S, Feb. 2003.

02-22 ***Role of blockade of neuronal and lymphocyte voltage-gated potassium channels (Kv) in experimental autoimmune encephalomyelitis therapy.***
Ferrat, G., Judge, S., Regaya, I., Medina, J., Safronov, B., Bernard, D., Sabatier, J.-M., Béraud, E., *Conférences François Lhermitte*, 12ème Réunion de l'ARSEP, Paris (France), 2002.

01-1 ***Maurotoxin, a potent inhibitor of the intermediate conductance calcium-activated potassium channel IK1.***
Castle, N., Creech, C., Sabatier, J.-M., *Biophysical Society, 45th Annual Meeting*, Boston (U.S.A.), 2001.
Biophys. J. 80 (1): 808 Part 2, Jan. 2001.

01-2 ***Selective blocking of K^+ channels ameliorates experimental auto-immune encephalomyelitis.***
Beeton, C., Wulff, H., Barbaria, J., Crest, C., Sabatier, J.-M., Pennington, M., Cahalan, M.D., Chandy, K.G., Béraud, E., *Biophysical Society, 45th Annual Meeting*, Boston (U.S.A.), 2001.
Biophys. J. 80 (1): 1846 Part 2, Jan. 2001.

01-3 ***Maurotoxin and Pi1 scorpion toxins as molecular models to study the selectivity of half-cystine pairings during in vitro folding/oxidation.***
Fajloun, Z., Carlier, E., Mansuelle, P., Regaya, I., Ferrat, G., Kharrat, R., di Luccio, E., Sandoz, G., El Ayeb, M., Darbon, H., Rochat, H., De Waard, M., Sabatier, J.-M., *4ème Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 2001.

01-4 ***L'efficacité de l'antiviral SPC3 contre l'infection des lymphocytes humains par le VIH est augmentée lors de son encapsulation dans des liposomes.***
De Mareuil, J., Mabrouk, K., Doria, E., Moulard, M., De Chasteigner, S., Ranjeva, M.-P., Rochat, H., Sabatier, J.-M., *4ème Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 2001.

01-5 ***Etude in vitro du processus de repliement/oxydation de la Maurotoxine, une toxine de scorpion réticulée par 4 ponts disulfure.***
Di Luccio, E., Azulay, D.-O., Fajloun, Z., Mansuelle, P., Oughideni, R., Rochat, H., Sabatier, J.-M., *4ème Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 2001.

01-6 ***Etude des relations structure-activité des peptides cycliques des Lébétines : synthèse, modélisation moléculaire et activité anti-agrégante.***
Regaya, I., Fathallah, M., Camoin, L., Marrakchi, N., Sampol, L., El Ayeb, M., Rochat, H., Sabatier, J.-M., Mabrouk, K., *4ème Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 2001.

01-7 ***Pharmaco-cinétique d'une construction synthétique polymérique (SPC3) capable d'inhiber l'infection de cellules humaines par le VIH.***
Esteve, E., Devaux, C., Juin, M., Sabatier, J.-M., *4ème Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 2001.

01-8 ***La boucle cytoplasmique I-II des canaux calciques voltage-dépendants contrôle leur inactivation de manière β dépendante.***
Geib, S., Sandoz, G., Cornet, V., Mabrouk, K., Fund-Saunier, O., Bichet, D., Restituito, S., Hoshi, T., Sabatier, J.-M., De Waard, M., *4ème Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 2001.

01-9 ***Design and characterization of a highly selective peptide inhibitor of the small conductance calcium-activated K^+ channel, SKCa2.***
Shakkottai, V., Regaya, I., Wulff, H., Fajloun, Z., Tomita, H., Fathallah, M., Cahalan, M., Gargus, J.J., Sabatier, J.-M., Chandy, K.G., *Biophysical Society, 45th Annual Meeting*, Boston (U.S.A.), 2001.
Biophys. J. 82 (1): 2855 Part 2, Jan. 2002.

01-10 ***Maurotoxin and apamin in combination abolish EDHF-mediated relaxation of the rat mesentery artery.***
Hinton, J.M., Sabatier, J.-M., Langton, P.D., *Biophysical Society, 45th Annual Meeting*, Boston (U.S.A.), 2001.
Biophys. J. 82 (1) : 2740 Part 2, Jan. 2002.

01-11 ***Are SKCa channels expressed in endothelial cells of the rat small mesenteric artery?***
Langton, P.D., Sabatier, J.-M., Hinton, J.M., *Biophysical Society, 45th Annual Meeting*, Boston (U.S.A.), 2001.
Biophys. J. 82 (1): 2737 Part 2, Jan. 2002.

01-12 ***Development of a new fibronectin peptide, and its effect on epidermal cell adhesion.***
Dal Farra, C., Bauza, E., Botto, J.-M., Portolan, F., Sabatier, J.-M., Domloge, M., *41th Am. Soc. for Cell Biol. Ann. Meeting*, Washington D.C. (U.S.A.).
Molecular Biol. Cell, 12:S , 1033 Suppl. S, Nov. 2001.

01-13 ***Synthèse et caractérisation pharmacologique d'analogues structuraux de la Maurocalcine, une toxine de scorpion active sur les canaux calcium ryanodine-sensibles.***
Estève, E., Sabatier, J.-M., Fajloun, Z., De Waard, M., Allen, P.D., Rochat, H., *Journée du Réseau d'Etude du Médicament*, Marseille (France), 2001.

00-1 ***Towards new insights in the understanding of disulfide bridge formation in Maurotoxin.***
Sandoz, G., Carlier, E., Fajloun, Z., di Luccio, E., Mosbah, A., Fathallah, M., Mansuelle, P., Rochat, H., Darbon, H., Sabatier, J.-M., De Waard, M., *Colloque "Canaux Ioniques"*, 11ème Edition, La Londe les Maures (France), 2000.

00-2 ***Maurotoxin vs Pi1 scorpion toxins: towards new insights in the understanding of their distinct disulfide bridge patterns.***
Rochat, H., Fajloun, Z., Carlier, E., Kharrat, R., di Luccio, E., Sandoz, G., El Ayeb, M., Darbon, H., De Waard, M., Sabatier, J.-M., *XIIIth World Congress on Animal, Plant and Microbial Toxins*, Paris (France), 2000.

00-3 ***Study on the in vitro oxidation/folding of Maurotoxin, a 4 disulfide-bridged scorpion toxin.***
di Luccio, E., Azulay, D.O., Fajloun, Z., Mansuelle, P., Oughideni, R., Sampieri, F., Rochat, H., De Waard, M., Sabatier, J.-M., *XIIIth World Congress on Animal, Plant and Microbial Toxins*, Paris (France), 2000.

00-4 ***Chemical synthesis and characterization of Maurocalcine, a scorpion toxin that activates Ca^{2+} release channel/ryanodine receptors.***

Fajloun, Z., Kharrat, R., di Luccio, E., Chen, L., Lecomte, C., Bichet, D., El Ayeb, M., Allen, P.D., Pessah, I.N., Rochat, H., De Waard, M., Sabatier, J.-M., *XIIIth World Congress on Animal, Plant and Microbial Toxins*, Paris (France), 2000.

00-5 ***Synthesis, ^{1}H-NMR structure and activity of a three disulfide-bridged Maurotoxin analog designed to restore the consensus motif of scorpion toxins.***
Fajloun, Z., Ferrat, G., Carlier, C., Fathallah, M., Lecomte, C., Sandoz, G., di Luccio, E., Mabrouk, K., Legros, C., Darbon, H., Rochat, H., Sabatier, J.-M., De Waard, M., *XIIIth World Congress on Animal, Plant and Microbial Toxins*, Paris (France), 2000.

00-6 ***Kaliotoxin improves experimental autoimmune encephalomyelitis and inhibits T cell activation.***
Beeton, C., Barbaria, J., Devaux, J., Benoliel, A.M., Gola, M., Sabatier, J.-M., Bernard, D., Crest, M., Beraud, E., *XIIIth World Congress on Animal, Plant and Microbial Toxins*, Paris (France), 2000.

00-7 ***Maurotoxine de scorpion réticulée par 4 ponts disulfure.***
Sabatier, J.-M., *User Meeting Proteomics*, Conférencier invité, Applied Biosystems, Paris (France), 2000.

00-8 ***Immunosuppression of experimental auto-immune encephalomyelitis (EAE) by selective blocking of K^+ channels.***
Beeton, C., Wulff, H., Barbaria, J., Crest, C., Sabatier, J.-M., Pennington, M., Chalan, M., Bernard, D., Chandy, K.G., Béraud, E., *Conférences François Lhermitte*, 10ème Réunion de l'ARSEP, Paris (France), 2000.

99-1 ***Synthèse chimique et étude des relations structure-activité de la Ts κ, une nouvelle toxine de scorpion active sur les canaux SK.***
Lecomte, C., Blanc, E., Legros, C., Darbon, H., Martin-Eauclaire, M.-F., Rochat, H., Van Rietschoten, J., Sabatier, J.-M., *11ème Réunion Peptides et Protéines*, Aussois (France), 1999.

99-2 ***Study of the mode of action of SPC3, an anti-HIV peptide under clinical trial.***
Barbouche, R., Fenouillet, E., Papandréou, M.-J., Miquelis, R., Kiény, M.-P., Sabatier, J.-M., *11ème Réunion Peptides et Protéines*, Aussois (France), 1999.

99-3 ***A multibranched peptide construct encompassing the cleavage sequence of the HIV envelope precursor alters Env processing and blocks cell/virus membrane fusion, hence HIV infectivity.***
Barbouche, R., Sabatier, J.-M., Fenouillet, E., *11ème Réunion Peptides et Protéines*, Aussois (France), 1999.

99-4 ***Obtention d'anticorps monoclonaux neutralisant les neurotoxines du venin du scorpion Androctonus australis hector.***
Clot-Faybesse, O., Juin, M., Mabrouk, K., Sabatier, J.-M., Rochat, H., Devaux, C., *11ème Réunion Peptides et Protéines*, Aussois (France), 1999.

99-5 ***Synthèse chimique et caractérisation pharmacologique de la Maurocalcine, une toxine de scorpion active sur les canaux calcium.***
Fajloun, Z., Kharrat, R., Carlier, E., Lecomte, C., Canarelli, S., Rochat, H., Van Rietschoten, J., De Waard, M., Sabatier, J.-M., *11ème Réunion Peptides et Protéines*, Aussois (France), 1999.

99-6 ***SPC3, an HIV-derived multibranched peptide, triggers a Cl^- conductance in Xenopus oocytes.***
De Waard, M., Carlier, E., Manrique, C., Fajloun, Z., Mabrouk, K., Sabatier, J.-M., *11ème Réunion Peptides et Protéines*, Aussois (France), 1999.

99-7 ***Inhibition of HIV infection: structure-activity study on synthetic multiple branch peptide from a cytoplasmic domain of the envelope glycoprotein gp41.***

Mabrouk, K., Moulard, M., Rochat, H., Sabatier, J.-M., Van Rietschoten, J., *11ème Réunion Peptides et Protéines*, Aussois (France), 1999.

99-8 ***Synthèse et étude pharmacologique d'une nouvelle toxine de scorpion active sur les canaux calcium: la Maurocalcine.***
Fajloun, Z., Kharrat, R., Carlier, E., Lecomte, C., Canarelli, S., Rochat, H., Van Rietschoten, J., De Waard, M., Sabatier, J.-M., *3ème Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 1999.

99-9 ***Activité antivirale de nouvelles constructions peptidiques dérivées de la glycoprotéine transmembranaire gp41 du VIH.***
Mabrouk, K., Moulard, M., Rochat, H., Van Rietschoten, J., Sabatier, J.-M., *3ème Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 1999.

99-10 ***La boucle I-II de la sous-unité alpha1 des canaux Ca^{2+} contient un signal de rétention intracellulaire beta-dépendant.***
Bichet, D., Cornet, V., Carlier, E., Geib, S., Sabatier, J.-M., Hoshi, T., De Waard, M., *3ème Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 1999.

99-11 ***La première boucle cytoplasmique de la sous-unité alpha 1 des canaux calcium contient un signal de rétention, dépendant de la sous-unité beta, pour le compartiment endoplasmique.***
Bichet, D., Cornet, V., Carlier, E., Geib, S., Lecomte, C., Sabatier, J.-M., Hoshi, T., Mori, Y., De Waard, M., *4ème Colloque des Neurosciences*, Marseille (France), 1999.

99-12 ***Mécanismes d'action cellulaire de SPC3, un peptide inhibiteur de l'infection par le VIH.***
Carlier, E., Mabrouk, K., Sabatier, J.-M., De Waard, M., *4ème Colloque des Neurosciences*, Marseille (France), 1999.

99-13 ***Déterminants structuraux de la maurotoxine responsables de l'inhibition des canaux de type Shaker.***
Carlier, E., Geib, S., Mabrouk, K., Fajloun, Z., Bichet, D., Darbon, H., Rochat, H., Sabatier, J.-M., De Waard, M., *Colloque "Canaux Ioniques"*, 10ème Edition, La Londe les Maures (France), 1999.

99-14 ***La Maurotoxine : Etude des relations structure-fonction à l'aide d'analogues synthétiques***
Sabatier, J.-M., *7ème Rencontres en Toxinologie, "Avancées Biotechnologiques Associées aux Toxines"*, Paris (France), 1999 (Conférencier invité; Résumé des travaux publié dans la revue *Toxicon*).

99-15 ***Thérapie de l'encephalomyélite autoimmune expérimentale (EAE) par un bloqueur des canaux K^+ voltage-dépendants (Kv) : la kaliotoxine.***
Beeton, C., Barbaria, J., Devaux, J., Bernard, D., Sabatier, J.-M., Gola, M., Crest, C., Béraud, E., *Congrès de la Soçiété Française d'Immunologie*, Lille (France), 1999.

99-16 ***Thérapie de l'encephalomyélite autoimmune expérimentale (EAE) par la kaliotoxine, un bloqueur des canaux K^+ voltage-dépendants (Kv).***
Beeton, C., Barbaria, J., Devaux, J., Bernard, D., Giraud, P., Sabatier, J.-M., Gola, M., Crest, C., Béraud, E., *Conférences François Lhermitte*, 9ème Réunion de l'ARSEP, Paris (France), 1999.

98-1 ***Structure-activity relationships of Ts κ, a scorpion toxin acting on small conductance calcium-activated K^+ channels.***
Legros, C., Lecomte, C., Blanc, E., Darbon, H., Sabatier, J.-M., Martin-Eauclaire, M.-F., *Forum of European Neuroscience*, Berlin (Germany), 1998.
Eur. J. Neuroscience 10 : 6432 Suppl. 10, 1998.

98-2 ***La Maurotoxine inhibe les canaux K^+ de type shaker B exprimés dans des ovocytes de Xénope.***

Carlier, E., Geib, S., Bichet, D., Hoshi, T., Sabatier, J.-M., De Waard, M., *Colloque "Canaux Ioniques"*, 9ème Edition, La Londe les Maures (France), 1998.

98-3 ***The I-II loop of calcium channel α1 subunit contains an ER retention signal.***
Bichet, D., Cornet, V., Carlier, S., Geib, S., Sabatier, J.-M., Hoshi, T., De Waard, M., *Colloque "Canaux Ioniques"*, 9ème Edition, La Londe les Maures (France), 1998.

98-4 ***Synthèse et caractérisation de la Ts κ, une nouvelle toxine courte de scorpion active sur les canaux K^+ activés par le Ca^{2+} sensibles à l'apamine.***
Lecomte, C., Blanc, E., Legros, C., Fajloun, Z., Darbon, H., Martin-Eauclaire, M.-F., Van Rietschoten, J., Sabatier, J.-M., *6ème Rencontre en Toxinologie*, Paris (France), 1998. Résumé publié dans la revue *Toxicon*, 37, 1227 (1999).

98-5 ***La maurocalcine: un nouveau type de repliement chez les toxines de scorpion.***
Mosbah, A., Kharrat, R., Renisio, J.-G., Blanc, E., Sabatier, J.-M., El Ayeb, M., Darbon, H., *6ème Rencontre en Toxinologie*, Paris (France), 1998. Résumé publié dans la revue *Toxicon*, 37, 1233 (1999).

97-1 ***Synthesis and characterization of Leiurotoxin I analogs lacking one disulfide bridge.***
Sabatier, J.-M., Lecomte, C., Mabrouk, K., Fremont, V., Darbon, H., Oughideni, R., Canarelli, S., Rochat, H., Martin-Eauclaire, M.-F., Van Rietschoten, J., *Fourth Forum on Peptides & Proteins*, Montpellier (France), 1997.

97-2 ***Chemical synthesis and characterization of a short scorpion toxin cross-linked by four disulfide bridges, the Maurotoxin.***
Kharrat, R., Mabrouk, K., Crest, M., Darbon, H., Lecomte, C., Oughideni, R., Martin-Eauclaire, M.-F., Jacquet, G., El Ayeb, M., Van Rietschoten, J., Rochat, H., Sabatier, J.-M., *Fourth Forum on Peptides & Proteins*, Montpellier (France), 1997.

97-3 ***Antiviral activity of polymeric construction of a peptide derived from the human immunodeficiency virus envelope transmembrane glycoprotein gp41.***
Mabrouk, K., Moulard, M., Fenouillet, E., Rochat, H., Van Rietschoten, J., Sabatier, J.-M., *Fourth Forum on Peptides & Proteins*, Montpellier (France), 1997.

97-4 ***Usefulness of a non-toxic analog to elicit neutralizing poly- and monoclonal antibodies against scorpion toxin.***
Devaux, C., Clot-Faybesse, O., Juin, M., Mabrouk, K., Sabatier, J.-M., El Ayeb, M., Rochat, H., *Fourth Forum on Peptides & Proteins*, Montpellier (France), 1997.

97-5 ***Determination of the three-dimensional structure of Tsκ scorpion toxin, from Tityus Serrulatus, by ^1H two-dimensional NMR spectroscopy.***
Blanc, E., Sabatier, J.-M., Legros, C., Martin-Eauclaire, M.-F., Darbon, H., *Fourth Forum on Peptides & Proteins*, Montpellier (France), 1997.

97-6 ***Etude de l'implication des ponts disulfure dans la structure et l'activité de la leiurotoxine I à l'aide d'analogues synthétiques.***
Lecomte, C., Sabatier, J.-M., Mabrouk, K., Darbon, H., Oughideni, R., Canarelli, S., Rochat, H., Martin-Eauclaire, M.-F., Van Rietschoten, J., *2ème Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 1997.

97-7 ***Activité antivirale des constructions peptidiques multibranchées (SPCs) dérivées de la glycoprotéine transmembranaire gp41 de l'enveloppe du VIH.***
Mabrouk, K., Moulard, M., Fenouillet, E., Rochat, H., Van Rietschoten, J., Sabatier, J.-M., *2ème Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 1997.

97-8 ***Usefulness of a non-toxic analog to elicit neutralizing poly- and monoclonal antibodies against scorpion toxin.***
Devaux, C., Clot-Faybesse, O., Juin, M., Mabrouk, K., Sabatier, J.-M., El Ayeb, M., Rochat, H., *12th World Congress on Animal, Plant and Microbial Toxins-IST*, Mexico (Mexique), 1997.

97-9 ***Characterization of Tsκ, a peptide from Tityus serrulatus venom which is a new ligand of the apamin-binding site.***
Legros, C., Lecomte, C., Blanc, E., Darbon, H., Sabatier, J.-M., Martin-Eauclaire, M.-F., *Int. Potassium Channel Conference*, Ulm (Germany), 1997.

97-10 ***Solution structure of scorpion neurotoxins: toward a new model of interaction with potassium channels.***
Blanc, E., Frémont, V., Lecomte, C., Martin-Eauclaire, M.-F., Sabatier, J.-M., Darbon, H., *5ème Rencontres en Toxinologie*, Paris (France), 1997. Résumé publié dans la revue *Toxicon*, 36, 1732 (1998).

96-1 ***Anti-HIV activity of multibranched peptides derived from Env.***
Sabatier, J.-M., Mabrouk, K., Moulard, M., Rochat, H., Van Rietschoten, J., Fenouillet, E., *36th Interscience Conference on Antimicrobial Agents and Chemotherapy*, New-Orleans (USA), 1996.

96-2 ***Maurotoxin, a short scorpion toxin with four disulfide bridges, active on apamin-sensitive K^+ channels and voltage-gated K^+ channels.***
Kharrat, R., El Ayeb, M., Crest, M., Mansuelle, P., Martin-Eauclaire, M.-F., Van Rietschoten, J., Sabatier, J.-M., Rochat, H., *4th Annual Neuropharmacology Conference*, Washington (USA), 1996.

96-3 ***L'activité de la Maurotoxine sur les canaux K^+ dépend de l'intégrité du tétrapeptide C-terminal.***
Ben Khalifa, R., Crest, M., Lecomte, C., Pelhate, M., El Ayeb, M., Van Rietschoten, J., Rochat, H., Sabatier, J.-M., 7ème Congrès sur les Canaux Ioniques, La Londe-les-Maures (France), 1996.

96-4 ***Anti-HIV activity of multibranched peptides derived from Env.***
Sabatier, J.-M., Mabrouk, K., Moulard, M., Rochat, H., Van Rietschoten, J., Fenouillet, E., 24th Eur. Pept. Symp., Edinburgh (UK), 1996.

96-5 ***Multidisciplinary approach for immunoprevention of scorpion envenoming.***
El Ayeb, M., Zenouaki, I., Bouhaouala, B., Karaoui, H., Kharrat, R., Ducancel, F., Boulain, J.-C., Ménez, A., Sabatier, J.-M., Mabrouk, K., Devaux, C., Van Rietschoten, J., Rochat, H., *First International Congress on Envenomations and their Treatments*, C. Bon and M. Goyffon Eds, 1996, 197-210.

96-6 ***Importance of the fourth disulfide bridge in the maurotoxin structure and activity.***
Ben Khalifa, R., Crest, M., Pelhate, M., Kharrat, R., Darbon, H., El Ayeb, M., Van Rietschoten, J., Rochat, H., Sabatier, J.-M., *4ème Journées des Rencontres en Toxinologie*, Paris (France), 1996. Résumé publié dans la revue *Toxicon*, 35, 1660-1661 (1997).

96-7 ***Neutralizing polyclonal and monoclonal antibodies against scorpion toxin obtained by using a non-toxic analogue.***
Devaux, C., Clot-Faybesse, O., Juin, M., Mabrouk, K., Sabatier, J.-M., El Ayeb, M., Rochat, H., *4ème Journées des Rencontres en Toxinologie*, Paris (France), 1996. Abstract published in *Toxicon*, 35, 1663-1664 (1997).

96-8 ***The first chemical synthesis of a short scorpion toxin cross-linked by four disulfide bridges, maurotoxin.***
Kharrat, R., Mabrouk, K., Crest, M., Darbon, H., Oughideni, R., Martin-Eauclaire, M.-F., Jacquet, G., El Ayeb, M., Van Rietschoten, J., Rochat, H., Sabatier, J.-M., *4ème Journées des Rencontres en Toxinologie*, Paris (France), 1996. Abstract published in *Toxicon*, 35, 1666 (1997).

95-1 ***Multi-branched V3 peptides inhibit HIV-1 infection in human lymphocytes and macrophages.***
Yahi, N., Fantini, J., Mabrouk, K., Rochat, H., Van Rietschoten, J., Sabatier, J.-M., *9ème Réunion des Peptides et Protéines*, Aussois (France), 1995.

95-2 ***Synthetic multimeric peptides derived from the principal neutralization domain (V3 loop) of HIV-1 gp120 bind to galactosylceramide and block HIV-1 infection in a human CD4-negative mucosal epithelial cell line.***
Fantini, J., Sabatier, J.-M., Yahi, N., *9ème Réunion des Peptides et Protéines*, Aussois (France), 1995.

95-3 ***Lethal neurotoxicity in mice and cytotoxic effect of N-terminal domain of HIV-1 p18 protein.***
Cestèle, S., Benjouad, A., Sabatier, J.-M., Romi, R., Guieu, R., Rochat, H., Van Rietschoten, J., Mabrouk, K., *9ème Réunion des Peptides et Protéines*, Aussois (France), 1995.

95-4 ***Leiurotoxin I, a scorpion toxin specific for Ca^{2+}- activated K^+ channels: Structure-activity analysis using synthetic analogs.***
Fremont, V., Martin-Eauclaire, M.-F., Mabrouk, K., Crest, M., Darbon, H., Rochat, H., Van Rietschoten, J., Sabatier, J.-M., *9ème Réunion des Peptides et Protéines*, Aussois (France), 1995.

95-5 ***Synthetic multimeric peptides derived from the V3 loop of HIV-1 gp120 bind to GalCer and block HIV-1 infection in CD4-negative mucosal epithelial cells.***
Yahi, N., Sabatier, J.-M., Baghdiguian, S., Gonzalez-Scarano, F., Fantini, J., *Keystone Symposia on HIV Pathogenesis*, Keystone (USA), 1995.
J. Cell Biochem.: 246 Suppl. 21B April 2, 1995.

95-6 ***Etude des relations structure-activité de P05, une toxine de scorpion active sur les canaux K^+ activés par le Ca^{2+}.***
Sabatier, J.-M., Zerrouk, H., Mabrouk, K., Darbon, H., Benslimane, A., Rochat, H., Martin-Eauclaire, F., Van Rietschoten, J., *Archs. Inst. Pasteur Tunis*, 4ème Réunion du Réseau INSERM Nord-Sud N° 492NS6*, "Envenimation Scorpionique et Ophidienne"*, Tunis (Tunisia), 72, pp 196-197, 1995.

95-7 ***Toxines de scorpion: Analyse de la réponse humorale à différents immunogènes.***
Devaux, C., Granier, C., Juin, M., Sabatier, J.-M., Mabrouk, K., Van Rietschoten, J., Rochat, H., *Archs. Inst. Pasteur Tunis*, 4ème Réunion du Réseau INSERM Nord-Sud N° 492NS6*, "Envenimation Scorpionique et Ophidienne"*, Tunis (Tunisia), 72, p 209, 1995.

95-8 ***Utilisation des Abu-8 toxines comme modèles de toxines vaccinantes.***
Zenouaki, I., Kharrat, R., Karoui, H., El Ayeb, M., Sabatier, J.-M., Mabrouk, K., Van Rietschoten, J., Rochat, H., *Archs. Inst. Pasteur Tunis*, 4ème Réunion du Réseau INSERM Nord-Sud N° 492NS6*, "Envenimation Scorpionique et Ophidienne"*, Tunis (Tunisia), 72, pp 212, 1995.

95-9 ***Potentialisation d'une activité biologique par branchement multimérique: Exemple de SPC3, un peptide inhibiteur de l'infection des cellules-cibles par le VIH.***
Yahi, N., Fantini, J., Mabrouk, K., Rochat, H., Sabatier, J.-M., Van Rietschoten, J., *GESA XXV*, St Valery-en-Caux (France), 1995.

95-10 ***Multi-branched V3 peptides inhibit HIV-1 infection in human lymphocytes and macrophages.***
Yahi, N., Fantini, J., Mabrouk, K., Rochat, H., Van Rietschoten, J., Sabatier, J.-M., *1er Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 1995.

95-11 ***SPC3, a synthetic peptide derived from the V3 domain of HIV-1 gp120, inhibits HIV-1 entry into $CD4^+$ and $CD4^-$ cells by two distinct mechanisms.***
Yahi, N., Fantini, J., Baghdiguian, S., Mabrouk, K., Rochat, H., Van Rietschoten, J., Sabatier, J.-M., *1er Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 1995.

95-12 ***Relations structure-activité des toxines actives sur les canaux de type KCa sensibles à l'apamine.***
Fremont, V., Zerrouk, H., Darbon, H., Sabatier, J.-M., Van Rietschoten, J., Rochat, H., Martin-Eauclaire, M.-F., *1er Colloque de l'Institut Fédératif Jean Roche de Biologie des Interactions Cellulaires*, Marseille (France), 1995.

94-1 ***Multi-branched peptides based on the HIV-1 V3 loop consensus motif inhibit HIV-1 and HIV-2 infection in $CD4^+$ and $CD4^-$ cells.***
Fantini, J., Yahi, N., Mabrouk, K., Van Rietschoten, J., Rochat, H., Sabatier, J.-M., *XXI Forum des Jeunes Chercheurs,* Reims (France), 1994.

94-2 ***Lethal neurotoxicity in mice and cytotoxic effect of N-terminal domain of HIV-1 p18 protein.***
Cestèle, S., Benjouad, A., Romi, R., Sabatier, J.-M., Guieu, R., Rochat, H., Van Rietschoten, J., Mabrouk, K., *XXI Forum des Jeunes Chercheurs,* Reims (France), 1994.

94-3 ***Current events in the development of a new class of anti-retrovirals: the SPC.***
Fantini, J., Yahi, N., Mabrouk, K., Van Rietschoten, J., Rochat, H., Sabatier, J.-M., *XIIth Mediterranean Symposium on HIV infection*, Toulon (France), 1994.

94-4 ***Multi-branched peptide constructs (MBPC) of the V3 loop of gp120 inhibit human immunodeficiency virus infection.***
Benjouad, A., Fenouillet, E., Chapuis, F., Gluckman, J.-C., Sabatier, J.-M., *Xth International Conference on AIDS*, Yokohama (Japan), 1994.

94-5 ***Préparation d'anatoxines de venins de scorpion et essais de protection sur modèles animaux.***
Kharrat, R., Zenouaki, I., Sabatier, J.-M., Belasfar, Z., Miled, K., Karoui, H., Van Rietschoten, J., Dellagi, K., Rochat, H., El Ayeb, M., *Archs. Inst. Pasteur Tunis*, 71, 473-476 (1994).

93-1 ***Study on P05, a new leiurotoxin I-like scorpion toxin.***
Sabatier, J.-M., Zerrouk, H., Darbon, H., Mabrouk, K., Benslimane, A., Rochat, H., Martin-Eauclaire, M.-F., Van Rietschoten, J., *XIth European Meeting of the International Society of Toxinology*, Arezzo (Italia), 1993.

93-2 ***Leiurotoxin I, a scorpion toxin specific for Ca^{2+}- activated K^+ channels: Structure-activity analysis using synthetic analogs.***
Sabatier, J.-M., Fremont, V., Mabrouk, K., Crest, M., Darbon, H., Rochat, H., Van Rietschoten, J., Martin-Eauclaire, M.-F., *XIth European Meeting of the International Society of Toxinology*, Arezzo (Italia), 1993.

93-3 ***Caractérisation des toxines de scorpion du genre Androctonus actives sur les canaux K^+.***
Zerrouk, H., Laraba, F., Crest, M., Sabatier, J.-M., Rochat, H., Martin-Eauclaire, M.-F., *1ère Journée des Rencontres de Toxinologie*, Paris (France), 1993.

93-4 ***Cytotoxicity on lymphocytes of Tat from human immunodeficiency virus type 1.***
Benjouad, A., Mabrouk, K., Moulard, M., Rochat, H., Van Rietschoten, J., Sabatier, J.-M., *IXth International Conference on AIDS*, Berlin (Germany), 1993.

93-5 ***Epitope mapping of 21 synthetic peptides derived from human T-cell lymphotropic virus type 1 and type 2 proteins.***
Moncan, T., Ledoux, D., Sabatier, J.-M., Hoffenbach, A., Rabillon, V., Somme, G., Van Rietschoten, J., *IXth International Conference on AIDS* , Berlin (Germany), 1993.

93-6 ***Evaluation of a new synthetic peptides Elisa test for the detection of anti-HTLV-1 and anti-HTLV-2 antibodies.***

Ledoux, D., Moncan, T., Sabatier, J.-M., Defendini, M.-L., Van Rietschoten, J., Rabillon, V., Hoffenbach, A., Somme, G., *IXth International Conference on AIDS*, Berlin (Germany), 1993.

93-7 ***Study on P05, a new leiurotoxin I-like scorpion toxin.***
Sabatier, J.-M., Zerrouk, H., Darbon, H., Mabrouk, K., Benslimane, A., Rochat, H., Martin-Eauclaire, M.-F., Van Rietschoten, J., *IIIrd Forum on Peptides and Proteins*, Biarritz (France), 1993.

92-1 ***Early detection of anti-HCV antibodies in a rapid immunofiltration assay using synthetic peptides.***
Tordjman, M., Lunel Fabiani, F., Fontan, G., Abouth, D., Blanc, C., Sabatier, J.-M., Rabillon, V., Hoffenbach, A., Van Rietschoten, J., Somme, G., *Hepatitis C Virus and Related Viruses*, Venezia (Italy), 1992.

92-2 ***Detection of anti-HCV antibodies with an enzyme immunoassay using synthetic peptides.***
Abouth, D., Sabatier, J.-M., Delaroche, C., Tordjman, M., Defendini, M.-L., Rabillon, V., Hoffenbach, A., Maisonneuve, P., Van Rietschoten, J., Somme, G., *Hepatitis C Virus and Related Viruses*, Venezia (Italy), 1992.

92-3 ***L'utilisation des peptides synthétiques en immunodiagnostic et immunothérapie.***
Van Rietschoten, J., Sabatier, J.-M., *Biospot* N°5 (lettre d'information scientifique des laboratoires Clonatec), 1992.

91-1 ***Localisation à l'aide de peptides synthétiques des épitopes B et T de la protéine Gag p25 du virus de l'immunodéficience humaine de type 1 (VIH-1).***
Mabrouk, K., Van Rietschoten, J., Benjouad, A., Rochat, H., Sabatier, J.-M., Bahraoui, E., *7ème Réunion Peptides*, Aussois (France), 1991.

91-2 ***Evidence for neurotoxic activity of Tat from human immunodeficiency virus type 1.***
Sabatier, J.-M., Vives, E., Mabrouk, K., Benjouad, A., Rochat, H., Duval, A., Hue, B., Van Rietschoten, J., Bahraoui, E., *7ème Réunion Peptides*, Aussois (France), 1991.

91-3 ***Evidence for neurotoxic activity of Tat from human immunodeficiency virus type 1.***
Sabatier, J.-M., Vives, E., Mabrouk, K., Benjouad, A., Rochat, H., Duval, A., Hue, B., Van Rietschoten, J., Bahraoui, E., *XIX Forum des Jeunes Chercheurs*, Tours (France), 1991.

91-4 ***Evidence for neurotoxic activity of Tat from human immunodeficiency virus type 1.***
Sabatier, J.-M., Vives, E., Mabrouk, K., Benjouad, A., Rochat, H., Duval, A., Hue, B., Van Rietschoten, J., Bahraoui, E., *VII International Conference on AIDS*, Florence (Italia), 1991.

91-5 ***Hepatitis B core antigen mapping by synthetic peptides.***
Tordjman, M., Fontan, G., Van Rietschoten, J., Sabatier, J.-M., Trepo, C., Somme, G., *European Virology Meeting*, Strasbourg (France), 1991.

89-1 ***Prevalence of anti-Nef positive sera in HIV-infected patients: mapping of the major epitopes of Nef-protein using synthetic peptides.***
Sabatier, J.-M., Van Rietschoten, J., Granier, C., Gluckman, J.-C., Montagnier, L., Bahraoui, E., *V International Conference on AIDS,* Montréal (Canada), 1989.

89-2 ***Prevalence of anti-Nef positive sera in HIV-infected patients: mapping of the major epitopes of Nef-protein using synthetic peptides.***
Sabatier, J.-M., Van Rietschoten, J., Granier, C., Gluckman, J.-C., Montagnier, L., Bahraoui, E., *IV International Conference on AIDS and Associated Cancers in Africa*, Marseille (France), 1989.

89-3 ***Mapping of T- and B-cell epitopes of HIV-1 Nef-protein in immunized chimpanzees*.**

Gluckman, J.-C., Yagello, M., Sabatier, J.-M., Billaud, J.-N., Girard, M., Bahraoui, E., *7 th International Congress of Immunology*, Berlin (West Germany), 1989.

89-4 ***Mapping of T- and B-cell epitopes of HIV-1 Nef-protein in immunized chimpanzees.***
Gluckman, J.-C., Yagello, M., Sabatier, J.-M., Billaud, J.-N., Girard, M., Bahraoui, E.,*V International Conference on AIDS*, Montréal (Canada), 1989.

89-5 ***Caractérisation d'anticorps de spécificité prédéterminée dirigés contre les canaux Na^+ de cerveau de rat***.
Levêque, C., Massacrier, A., Dargent, B., Cau, P., Sabatier, J.-M., Céard, B., Van Rietschoten, J., Granier, C., *Société Française de Neurosciences*, Montpellier, France, 1989.

88-1 ***Antigenicity of conserved regions and accessibility of the N- and C-terminal fragments of HIV-1 and HIV-2 large glycoprotein.***
Bahraoui, E., Clerget, B., Granier, C., Van Rietschoten, J., Sabatier, J.-M., Labbé-Jullié, C., Guétard, D., Chamaret, S., Rochat, H., Gluckman, J.-C., Montagnier, L., *IV International Conference on AIDS*, Stockholm (Sweden), 1988, Book II, p 117.

88-2 ***Antigenicity of conserved regions and accessibility of the N- and C-terminal fragments of HIV-1 and HIV-2 large glycoprotein.***
Bahraoui, E., Clerget, B., Granier, C., Van Rietschoten, J., Sabatier, J.-M., Labbé-Jullié, C., Guétard, D., Chamaret, S., Rochat, H., Gluckman, J.-C., Montagnier, L., *III International Conference on AIDS and Associated Cancers in Africa*, Arusha (Tanzania), 1988, p 43.

88-3 ***Antigénicité des régions conservées de l'enveloppe de HIV-1 et HIV-2 et étude de l'intéraction gp110-CD4.***
Bahraoui, E., Clerget, B., Granier, C., Sabatier, J.-M., Van Rietschoten, J., Rochat, H., Gluckman, J.-C., Montagnier, L., *6ème Ecole Franco-Africaine de Biologie Moléculaire*, Djerba (Tunisia), 1988, pp. 188-189.

86-1 ***Utilisation des Fmoc-acides aminés pour la synthèse chimique de segments protégés***.
Sabatier, J.-M., Tessier, M., Granier, C., Van Rietschoten, J., *5ème Réunion Peptides*, Le Touquet, France, 1986.

86-2 ***Protocole alternatif de synthèse peptidique en phase solide par les Fmoc-acides aminés.***
Fourquet, P., Sabatier, J.-M., Granier, C., Van Rietschoten, J., *5ème Réunion Peptides*, Le Touquet, France, 1986.