

CV of JEAN-PIERRE SAVINEAU

Surname : Savineau ; First name : Jean-Pierre
Age: 65

Education:

- Ph.D. in Physiology, University of Poitiers (France) , 1978
- Doctorat d'Etat ès Sciences, University of Bordeaux 2 (France), 1987

Career:

- Post-Doctorat on a scholarship from the French Dpt. of education: 1979-1981
- Lecturer and Senior lecturer in Physiology, Faculty of Pharmacy, University Bordeaux2: 1981-1997
- Professor of Physiology (full Professor), Faculty of Life Sciences, University Bordeaux2: 1998-present

Specialization:

- main field: physiology, pathophysiology and pharmacology of mammalian smooth muscles; ionic channels, calcium signalling, physiopathology of the pulmonary circulation (effect of hypoxia, hypertension).

Research laboratory

- Cardiothoracic Center Research of Bordeaux, National Health and Medical Research Institute (INSERM unit 1045). Head of the team research n°1 "Physiopathology of the pulmonary circulation".

Membership of professional Societies:

The British Pharmacological Society (since 1993), The French Physiological Society (since 1985), The French Pharmacological Society (since 1989), The European Biomedical Research Association (since 1994)

Administrative position:

- Director of the faculty of life sciences of the University Bordeaux 2 (2001-2006 and 2013-2014)
- Member of the Scientific council of the University of Bordeaux2 (2008-2013).

Publications:

- Number of papers in refereed journals: **100**; number of invited reviews and book chapters: **15**; number of communications to scientific meetings (with abstract): **200**.
h factor 2016 (webb of sciences) = 31.

The most relevant publications during the last 5 years:

1. Martin E, Dahan D, Cardouat G, Cattiaux J, Marthan R, **Savineau JP**, Ducret T. Involvement of TPV1 and TRPV4 in migration of rat pulmonary arterial smooth muscle cells. *Pflügers Arch*, 2012; 464:261-272.
2. **Savineau JP**, Marthan R, Dumas de la Roque E. Role of DHEA in cardiovascular diseases. *Biochemical Pharmacology*, 2013, 15;85(6):718-26.
3. Dubois M, Delannoy E, Duluc L, Closs E, Li H, Toussaint C, Gadeau AP, Gödecke A, Freund-Michel V, Courtois A, Marthan R, **Savineau JP**, Muller B. Biopterin metabolism and eNOS expression during hypoxic pulmonary hypertension in mice. *PLoS One*. 2013; 8(11):e82594.
4. Gilbert G, Ducret T, Marthan R, **Savineau JP**, Quignard JF. Stretch-induced Ca²⁺ signalling in vascular smooth muscle cells depends on Ca²⁺ store segregation. *Cardiovascular Research*, 2014;103(2):313-23.
5. Chevalier M, Gilbert G, Roux E, Lory P, Marthan R, **Savineau JP**, Quignard JF. T-type calcium channels are involved in hypoxic pulmonary hypertension. *Cardiovascular Research*, 2014;103(4):597-606.

6. Parpaite T, Cardouat G, Mauroux M, Gillibert-Duplantier J, Robillard P, Quignard JF, Marthan R, **Savineau JP**, Ducret T. Effect of hypoxia on TRPV1 and TRPV4 channels in rat pulmonary arterial smooth muscle cells. *Pflugers Arch*, 2016 ;468(1):111-30.
7. Freund-Michel V, Cardoso Dos Santos M, Guignabert C, Montani D, Phan C, Coste F, Tu L, Dubois M, Girerd B, Courtois A, Humbert M, **Savineau JP**, Marthan R, Muller B. Role of Nerve Growth Factor in Development and Persistence of Experimental Pulmonary Hypertension. *American J Respir Crit Care Med*, 2015;192(3):342-55.
8. Freund-Michel V, Muller B, Marthan R, **Savineau JP**, Guibert C. Expression and role of connexin-based gap junctions in pulmonary inflammatory diseases. *Pharmacology & Therapeutics*. 2016;164:105-19.
9. Gilbert G, Ducret T, **Savineau JP**, Marthan R, Quignard JF. Caveolae are involved in mechanotransduction during pulmonary hypertension. *Am J Physiol Lung Cell Mol Physiol*, 2016;310(11):L1078-87.
10. Dubes V, Parpaite T, Ducret T, Quignard JF, Mornet S, Reinhardt N, Baudrimont I, Dubois M, Freund-Michel V, Marthan R, Muller B, **Savineau JP**, Courtois A. Calcium signalling induced by in vitro exposure to silicium dioxide nanoparticles in rat pulmonary artery smooth muscle cells. *Toxicology*, 2017;375:37-47