**Gildas LOUSSOUARN**

43 years old.

PRESENT POSITION since 2011: CNRS **Research Director** (DR2), *l'institut du thorax* INSERM UMR1087/CNRS UMR6291, Nantes, France

**Currently visiting the laboratory of Daniel Minor, University of California, San Francisco (August 2012-July 2013)**.

Publications: **26 peer-reviewed original articles, 2 book chapters and 6 reviews**

UNIVERSITY DEGREES AND QUALIFICATIONS

2005 Research Management Ability (HDR), Nantes

1997 PhD, University Paris XI-Orsay.

OTHER FUNCTIONS

* + - University teaching activities
    - Referee and expertise activities

**Referee** for‘Journal of Molecular and Cellular Cardiology’, ‘Journal of Physiology’, ‘Pflugers Archiv-European Journal of Physiology’, ‘Journal of General Physiology’, ‘Journal of Biological Chemistry’, ‘Human Genetics’, ‘British Journal of Pharmacology’, ‘Plos One’, ‘Biophysical Journal’, ‘Expert Reviews in Molecular Medicine’.

**Expert** for the wellcome Trust, the National Science Foundation, the Israel Science Foundation, the Binational Science Foundation, the Fondecyt, the Agence Nationale de la Recherche.

RECENT GRANTS

2005-2008 ANR young investigators, Principal Investigator, 150 000 euros

2009-2010 AFM, Principal Investigator, 26 000 euros

2010-2011 SFC/FFC, Principal Investigator, 80 000 euros

2012-2014 Marie-Curie International Outgoing Fellowship, 150 000 euros

MAJOR RECENT PUBLICATIONS

Abderemane-Ali F, Es-Salah-Lamoureux Z, Delemotte L, Kasimova MA, Labro AJ, Snyders DJ, Fedida D, Tarek M, Baró I, **Loussouarn G.** Dual Effect of Phosphatidyl (4,5)-Bisphosphate PIP2 on Shaker K+ Channels. ***J Biol Chem.*** 287:36158-36167, 2012.

Laurent G, Saal S, Amarouch YM, Béziau D, Marsman R, Faivre L, Barc J, Dina C, Bertaux G, Barthez O, Thauvin-Robinet C, Charron P, Fressart V, Maltret A, Villain E, Baron E, Mérot J, Turpault R, Coudière Y, Charpentier F, Schott J, **Loussouarn G**, Wilde A, Wolf J, Baro I, Kyndt F, Probst V. Multifocal ectopic Purkinje-related premature contractions: a new SCN5A-related cardiac channelopathy. **J Am Coll Cardiol.** 60:144-156, 2012.

Choveau FS, Rodriguez N, Abderemane Ali F, Labro AJ, Rose T, Dahimene S, Boudin H, Le Henaff C, Escande D, Snyders DJ, Charpentier F, Mérot J, Baró I, **Loussouarn G.** KCNQ1 channels voltage dependence through a voltage-dependent binding of the S4-S5 linker to the pore domain. ***J Biol Chem****.* 286:707-716, 2011.

Piron J, Choveau FS, Amarouch MY, Rodriguez N, Charpentier F, Mérot J, Baró I, **Loussouarn G.** KCNE1-KCNQ1 osmoregulation by interaction of phosphatidylinositol-4,5-bisphosphate with Mg2+ and polyamines. ***J Physiol***, 588:3471-3483, 2010.

Rodriguez N, Amarouch MY, Montnach J, Piron J, Labro AJ, Charpentier F, Mérot J, Baró I, **Loussouarn G.** Phosphatidylinositol-4,5-bisphosphate (PIP2) stabilizes the open pore conformation of the Kv11.1 (hERG) channel. ***Biophysical J***, 99:1110-1118, 2010**.**

Choveau FS, El Harchi A, Rodriguez N, Louerat-Oriou B, Baró I, Demolombe S, Charpentier F, **Loussouarn G.** Transfer of rolf S3-S4 linker to hERG eliminates activation gating but spares inactivation. ***Biophysical J***, 97:1323-1334, 2009.

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