

Short CV Gérard LAMBEAU

54 years old
DR1 CNRS, team leader

EDUCATION AND ACADEMIC APPOINTMENTS:

- ✓ 1988: M2 (DEA) "Cellular and Molecular Pharmacology", University of Nice
- ✓ 1995: PhD University of Nice Sophia Antipolis. October 1995. Supervisor: Pr. Lazdunski.
- ✓ 1992-1996: CR2 permanent position at CNRS (French National Center for Scientific Research). Team Pr. Lazdunski, Institute of Molecular and Cellular Pharmacology (IPMC)
- ✓ 1996-2000: CR1 CNRS. Team Pr. Lazdunski (IPMC)
- ✓ 2001-2011: DR2 CNRS. Team Pr. Lazdunski until 2006 (IPMC)
- ✓ 2006-present: Team leader « Molecular Physiopathology of Phospholipases A2 and Their Lipid Mediators », IPMC
- ✓ 2011-Present: DR1 CNRS

AWARDS AND DISTINCTIONS:

- ✓ 1995 CNRS Bronze Medal for young scientists
- ✓ 2011-2015 Translational Research Clinical award, Nice Hospital
- ✓ 2010-2013 PES CNRS
- ✓ 2013 Neuroscience Center of Excellence Award for exceptional contribution to the PLA2 field, International PLA2 meeting, New-Orleans, USA
- ✓ 2017-2020 PES CNRS

SCIENTIFIC EXPERTISE AND COLLABORATIONS:

- ✓ The team of Gérard Lambeau has discovered a family of mouse and human secreted phospholipases A2 (sPLA2s) and cloned PLA2R1, a receptor of these enzymes. It has developed many tools for PLA2R1 and sPLA2 research, and has discovered many biological functions of sPLA2s and PLA2R1, highlighting them as drug targets, with translational research up to 15 patents and licensing of 4.
- ✓ In recent years, the team has discovered PLA2R1 and THSD7A as two major autoantigens in a rare but severe autoimmune kidney disease called membranous nephropathy (MN) and has identified a mechanism of PLA2R1 epitope spreading, leading to a better understanding of MN physiopathology. The work has been patented and commercial assays are already on the market to diagnose and better stratify patients at risk of severe disease (towards personalized medicine).
- ✓ The team is thus a world expert on sPLA2s, PLA2R1 and MN with >50 national and international collaborations (academic labs, hospitals, companies).

PUBLICATIONS:

- ✓ 136 publications (Original + reviews)
 - ✓ Web of Science: 7,612 citations; H-index 49. Average citations/article: 48
 - ✓ Google Scholar: 10,680 citations; H-index 57. i10 index 110 (92 since 2012)
 - ✓ Three highly cited papers/last 10 years" (database ESI Web of Science):
1. Tomas, N. M., Beck, L. H., Jr., Meyer-Schwesinger, C., Seitz-Polski, B., Ma, H., Zahner, G., Dolla, G., Hoxha, E., Helmchen, U., Dabert-Gay, A. S., Debayle, D., Merchant, M., Klein, J., Salant, D. J., Stahl, R. A., and LAMBEAU, G. (2014) Thrombospondin type-1 domain-containing 7A in idiopathic membranous nephropathy, *N. Engl. J. Med.* 371, 2277-2287. 133 citations, Faculty of 1,000.
 2. Beck, L. H., Jr., Bonegio, R. G., LAMBEAU, G., Beck, D. M., Powell, D. W., Cummins, T. D., Klein, J. B., and Salant, D. J. (2009) M-type phospholipase A2 receptor as target antigen in idiopathic membranous nephropathy, *N. Engl. J. Med.* 361, 11-21, 678 citations, Faculty of 1,000.

3. LAMBEAU, G. (co-last and corresponding author), and Gelb, M. H. (2008) Biochemistry and Physiology of Mammalian Secreted Phospholipases A2 (revue), Annu. Rev. Biochem. 77, 495-520, 281 citations.

PATENTS AND LICENSING:

- ✓ 15 patents (3 related to MN)
- ✓ 4 licences (3 related to MN)
- ✓ 6 commercial biomarker products on the market (4 related to MN, see http://www.euroimmun.com/?id=aak_gegen_pla2r)

INVITATIONS TO MEETINGS AND SEMINARS:

123 participations in national and international meetings including 45 invited lectures (a recent one as plenary invited speaker to the session on Membranous Nephropathy at the ASN world kidney meeting (13,000 people, 50th annual meeting of the American Society of Nephrology, November 2016, Chicago, USA) and 40 seminars in laboratories and industries.

TEAM MANAGEMENT AND SUPERVISION:

- ✓ Team leader since 2006
- ✓ Supervision of 14 PhD students
- ✓ Supervision of 18 undergraduate and master students
- ✓ Supervision of 9 engineers at CNRS with permanent and non permanent position
- ✓ Training of many undergraduate students from the University of Nice-Sophia Antipolis
- ✓ Collaboration with 12 post-docs and research associates (permanent and non permanent positions)
- ✓ Teaching class master 2, PhD students, engineers

GRANTS:

>20 passed grants (academic and industry)

Current:

- ✓ PHRC National, PLA2R1 auto-antibodies in membranous nephropathy, 2011-2017
- ✓ Contract Industry, 2014-2018
- ✓ FRM « Post-doctoral fellowship Vesna Brglez», 2015-2017
- ✓ Post-doc fellowship Guillaume Dolla 2016-2018 (company Diaccurate)
- ✓ PhD fellowships for Joana Justino and Kristel Zaghrini (Labex Signalife, 2016-2019)
- ✓ Fondation Maladies Rares, 2017-2019
- ✓ ANR MNaims 2017-2020
- ✓ PHRC National PMMN (Personalized Medicine for MN) 2017-2021
- ✓ Licensing royalties from 3 patents

MEMBERSHIPS AND COMMITTEES:

- ✓ Member of the French research group on lipid mediators (GERLI) since 2005
- ✓ Head of the Valorization Committee LabEx Signalife (49 teams, 455 scientists), 2012-2020
- ✓ Editorial board member "The Journal of Biological Chemistry"
- ✓ Editorial Board member "Prostaglandins and Other Lipid Mediators"
- ✓ Reviewer for JBC, JASN, CJASN, KI, Biochemistry, BBA, PLOS, Toxicon, Biochimie.