

Dr. Frédéric DOMERGUE

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• *Professional Experiences*

- Since October 2005: Senior Research Scientist at the CNRS (CR, Hors Classe since 2019).
Laboratoire de Biogenèse Membranaire, UMR 5200, Univ. De Bordeaux, France.
Subject: "Functional genomics of surface lipid metabolism".
- January 2000 - October 2004: Postdoc in the laboratory of Pr. Ernst Heinz.
Institut für Allgemeine Botanik, Universität Hamburg, Germany.
Marie Curie European Fellowship (2000-2002) / BASF funding (2002-2004)
Subject: "Cloning genes required for the implementation of PUFAs biosynthesis in oilseeds".
- June 1998 - December 1999: Postdoc in the laboratory of Pr. John Browse.
Institute of Biological Chemistry, Washington State University, Pullman, WA, USA.
Subject: "Elucidation of the biosynthetic pathway of preformed antifungal compounds of avocado fruit".
- November 1997 - May 1998: Postdoc in the laboratory of Dr. Dusty Post-Beittenmiller.
Noble Foundation, Ardmore, Oklahoma, USA.
Subject: "Study of KAS II activity in leek leaf tissues and its relation to wax biosynthesis".

• *Education*

- April 2013: **Habilitation to Direct Research (HDR)** - Université Bordeaux Ségalen.
- May 1997: **PhD in Biochemistry** - Université Bordeaux II.
- June 1992: **Master in Plant Biochemistry (DEA)** - Université Bordeaux II.
- June 1991: **Bachelor degree in Plant Physiology** - Université Bordeaux II.

• *Scientific Productions*

- **70 publications in international peer-reviewed journals**
 - 11 as last author: Plant Physiol., J. Biol. Chem., Plant Science...
 - 13 as first author : J. Biol. Chem., Plant Physiol., Biochemical J...
 - 53 as co-author : Science, The Plant Cell, PNAS, The Plant Journal...
- **4 book chapters, 5 proceedings, 3 patents**

- **Symposiums and Congress**

- **9 invited seminars**
- **18 oral communications at international congress**
- **42 oral communications as co-author at international congress**
- **64 poster communications at international congress**

Between 2020-2024, I attended 9 international congresses: SFPV 2024 (Bordeaux, France), GERLI 2023 (Paris, France), GERLI 2022 (Nice, France), ISPL 2022 (Grenoble, France), GERLI 2021 (Bordeaux, France), in which I was co-author of 5 oral communications and 13 posters. I finally gave a seminar during the MetaboDAY symposium organized in January 2020 at the University of Bordeaux.

- **Training and supervision**

- **1 PhD as director** (C. Delude 2012-2015)
- **5 PhD co-supervised** (Y. Yuan, C. Degraeve-Guilbault, M. Batsale, C. Le Ruyet, G. Forget)
- **8 Master 2 (6-month internship) (co-)supervised**
- **10 Master 1 (2-month internship) (co-)supervised**

- **Management & Collective Responsibilities**

- **LipAdapt Team Leader since January 2022** (co-direction with C. Bréhélin).
- **“Surface Lipids” Thematic Leader since 2012** (co-direction with J. Joubès).
- **Member of the Scientific Committee of the Groupe d’Etude et de Recherche en Lipidomique** (GERLI), the French association of scientific laboratories working on lipids (member since 2017, treasurer since 2021).
- **Member of the European Foundation for the Science and Technology of Lipids - Responsible of the Plant Lipid division** (2012-2019).
- **Member of INRAE engineer evaluation committee** (2018-2025).
- **Grant Expertise :** DFG (Germany, 2019, 2012), NSERC (Canada, 2016), ISF (Israel, 2014), INRA (France, 2014), ERA-CAPS (USA, 2014), NSF (USA, 2011).
- **Reviewer for international peer-reviewed journals:** The Plant Cell, Plant Physiology, FEBS Letters, Journal of Plant Physiology, Chemical Biology...

- **Major financial grants obtained**

- **ICON** (European FP7, 2009-2013; 522k€, partner)
- **PROMISE** (University of Bordeaux, 2021-2025, 622k€, co-coordinator)
- **LIPSTIQ** (ANR, 2025-2028, 197k€, partner)
- **INASEED** (ANR, 2013-2017, 238k€, partner)
- **CAER** (DGAC, 2012-2015, 280k€, partner)
- **LipCet** (CNRS, 2014-2016; 19.5k€, Coordinator)
- **RootSEAL** (University of Bordeaux, 2019-2021, 181k€, co-coordinator)
- **SUBER** (FFCR, 2010-2012, 10k Canadian \$, co-coordinator)
- **TERESA** (University of Bordeaux, 2019-2020, 15k€, co-coordinator)
- **PICOFADO** (University of Bordeaux, 2017-2019, 24k€, partner)
- **VitisRoots** (University of Bordeaux, 2016, 5k€, co-coordinator)
- **VINICUT** (University of Bordeaux, 2014, 5k€, co-coordinator)