

Morère-Le Paven Marie-Christine
Associate professor, University of Angers

Tel number: (33)2 49 18 04 74
e-mail address: lepaven@univ-angers.fr
Laboratory: IRHS 'Research Institute of Horticulture and Seeds'
SMS team 'Source and sink Metabolism and Stress responses'



Projects

Involvement of nitrate transporters (MtNPF6.8 from *Medicago truncatula* and PsNPF6.7 from *Pisum sativum*) in nitrate signalling.

Scientific Career

- 1992: **PhD** in Biology, University of Orsay, Paris XI (France).
- 1992: **Graduate teaching assistant** (ATER), Lab. of Plant Molecular Biology
University of Orsay, Paris XI (France).
- 1993: **Graduate teaching assistant** (ATER), Lab. of Plant Molecular Physiology
University of Orsay, Paris XI (France).
- 1993: **Associate professor** in Genetic, University of Angers.

Publications

Mojtahid M., Schweizer M., Le Moigne D., Grégoire G., Murat A., Poirier I., Baltzer A., van Dijk I., **Morère-Le Paven M.C.**, Bourges M., Nardelli M.P., Barras C., Metzger E., Mouret A. (2025) Combining morphological and molecular data to study past foraminiferal communities from a temperate coastal sediment core. *Boreas*: doi.org/10.1111/bor.70020.

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Tarkowski Ł.P., Clochard T., Blein-Nicolas M., Zivy M., Baillau T., Abadie C., **Morère-Le Paven M.C.**, Limami A.M., Tcherkez G., Montrichard F. (2023) The nitrate transporter-sensor MtNPF6.8 regulates the branched chain amino acid/pantothenate metabolic pathway in barrel medic (*Medicago truncatula* Gaertn.) root tip. *Plant Physiology and Biochemistry* 206: 108213.

Boeglin L., **Morère-Le Paven M.C.**, Clochard T., Fustec J., Limami A.M. (2022) *Pisum sativum* response to nitrate as affected by *Rhizobium leguminosarum*-derived signals. *Plants* 11: 1966.

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- Philippe F., Verdu I., **Morère-Le Paven M.C.**, Limami A.M., Planchet E. (2019). Involvement of *Medicago truncatula* glutamate receptor-like channels in nitric oxide production under short-term water deficit stress. *Journal of Plant Physiology*: 236: 1-6.
- Pellizzaro A., Alibert B., Planchet E., Limami A.M., **Morère-Le Paven M.C.** (2017). Nitrate transporters: an overview in legumes. *Planta* 246: 585-595.
- Pellizzaro A., Clochard T., Planchet E., Limami A.M., **Morère-Le Paven M.C.** (2015). Identification and molecular characterization of *Medicago truncatula* NRT2 and NAR2 families. *Physiologia Plantarum* 154: 256-269.
- Chentli A., Gillmann L., Bouazza L., Medjkal S., Limami A.M., **Morère-Le Paven M.C.**, Boussebouda H. (2014). Effects of secondary compounds from cactus and acacias trees on rumen microbial profile changes performed by Real-Time PCR. *International Journal of Advanced Research* 2: 660-671.
- Pellizzaro A., Clochard T., Cukier C., Juchaux M., Montrichard F., Planchet E., Limami A.M., **Morère-Le Paven M.C.** (2014). The nitrate transporter MtNPF6.8 (MtNRT1.3) transports abscisic acid and mediates nitrate regulation of primary root growth in *Medicago truncatula*. *Plant Physiology* 166: 2152-2165.
- Planchet E., Verdu I., Delahaie J., Cukier C., Girard C., **Morère-Le Paven M.C.**, Limami A.M. (2014). Abscisic acid-induced nitric oxide and proline accumulation in independent pathways under water deficit stress during seedling establishment in *Medicago truncatula*. *Journal of Experimental Botany* 65: 2161-2170.
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- Teulat-Merah B., **Morère-Le Paven M.C.**, Ricoult C., Aubry C. and Peltier D. (2011). cDNA-AFLP profiling in embryonic axes during the germination time-course has allowed to identify mRNAs associated with early radicle growth in common bean. *Biologia Plantarum* 55: 437-447.
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- Anzala F., **Morère-Le Paven M.C.** and Limami M.A. (2007). Activité *in vivo* de l'aspartate kinase. Etude par suivi isotopique (¹⁵N). *L'Actualité Chimique* 305: 17-20.
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