

## List of publications: Dr. Laure Decamps

### 2020

- Van Stappen, C., **Decamps, L.**, DeBeer, S. (2020). Preparation and Spectroscopic Characterization of Lyophilized Mo Nitrogenase *Journal of the Biological Inorganic Chemistry* <https://doi.org/10.1007/s00775-020-01838-4>
- Van Stappen, C., **Decamps, L.**, Cutsail III, G.E., Bjornsson, R., Henthorn, J.T., Birrell, J.A., DeBeer, S. (2020). The Spectroscopy of Nitrogenases *Chemical Reviews* 120(12), 5005-5081. <https://doi.org/10.1021/acs.chemrev.9b00650>

### 2019

- Van Stappen, C., Thorhallsson, A.T., **Decamps, L.**, Bjornsson, R., DeBeer, S. (2019). Resolving the structure of the E<sub>1</sub> state of Mo Nitrogenase through Mo and Fe K-edge EXAFS and QM/MM calculations *Chemical Science* 10(42), 9807-9821. <https://doi.org/10.1039/c9sc02187f>

### 2018

- Sippel, D., Rohde, M., Netzer, J., Trncik, C., Gies, J., Grunau, K., Djurdjevic, I., **Decamps, L.**, Andrade, S.L.A., Einsle, O (2018). A bound reaction intermediate sheds light on the mechanism of nitrogenase *Science* 359 (6383), 1484. <https://doi.org/10.1126/science.aar2765>

### 2017

- Djurdjevic, I., Einsle, O., **Decamps, L.** (2017). Nitrogenase Cofactor: Inspiration for Model Chemistry *Chemistry – An Asian Journal* 12(13), 1447-1455. <https://doi.org/10.1002/asia.201700478>
- Benjdia, A., **Decamps, L.**, Guillot, A., Kubiak, X., Ruffie, P., Sandstrom, C., Berteau, O. (2017). Insights into the catalysis of a lysine-tryptophan bond in bacterial peptides by a SPASM domain radical S-adenosylmethionine (SAM) peptide cyclase *Journal of Biological Chemistry* 292(26), 10835-10844. <https://doi.org/10.1074/jbc.M117.783464>
- Sippel, D., Schlesier, J., Rohde, M., Trncik, C., **Decamps, L.**, Djurdjevic, I., Spatzal, T., Andrade, S.L.A., Einsle, O. (2017). Production and isolation of vanadium nitrogenase from *Azotobacter vinelandii* by molybdenum depletion *Journal of Biological Inorganic Chemistry* 22(1), 161-168. <https://doi.org/10.1007/s00775-016-1423-2>

### 2015

- Philmus, B., **Decamps, L.**, Berteau, O., Begley, T.P. (2015). Biosynthetic Versatility and Coordinated Action of 5'-Deoxyadenosyl Radicals in Deazaflavin Biosynthesis *Journal of the American Chemical Society* 137(16), 5406-5413. <https://doi.org/10.1021/ja513287k>

## 2012

- **Decamps, L.**, Philmus, B., Benjdia, A., White, R., Begley, T.P., Berteau, O. (2012). Biosynthesis of F<sub>0</sub>, Precursor of the F<sub>420</sub> Cofactor, Requires a Unique Two Radical-SAM Domain Enzyme and Tyrosine as Substrate *Journal of the American Chemical Society* 134 (44), 18173-18176. <https://doi.org/10.1021/ja307762b>

## 2010

- Le Goffic, R., Bouguyon, E., Chevalier, C., Vidic, J., Da Costa, B., Leymarie, O., Bourdieu, C., **Decamps, L.**, Dhorne-Pollet, S., Delmas, B. (2010). Influenza a Virus Protein PB1-F2 Exacerbates IFN-beta Expression of Human Respiratory Epithelial Cells *The Journal of Immunology* 185(8), 4812-4823. <https://doi.org/10.4049/jimmunol.0903952>