Supervisor Assessment of Stefanie M. Perdomo

Stefanie M. Perdomo studied under my supervision as a PhD. student in the doctoral study programme Bioorganic chemistry from 2019.

Collaboration with the candidate was smooth, without any difficulties. Even though her undergraduate study at the University of Salerno, Italy, was pharmaceutically biased (and she did not complete the same amount of chemical courses compared to chemistry undergraduates), she mastered necessary disciplines, such as stereochemistry, stereoselective synthesis, catalysis, structural analysis and others within the first year of her PhD. As regards her independent research in our group, she was assigned to work on a project dealing with the exploration of the reactivity of electron-deficient [3]dendralenes towards nucleophiles. Overall, Stefanie has done a good job. She demonstrated, for the first time that the [3]dendralenes can undergo reactions with nucleophiles, giving rise to a range of diverse products. Specifically, the products included those of simple additions as well bicycles and orthofused cycles arising via complex multistep reaction pathways. In addition to her synthetic efforts, Stefanie was able to employ for quite some time the group of Prof. Rulíšek at IOCB in gaining computational support for her results. Her work has been published in a comprehensive paper in *J. Org. Chem.* **2026**, *91*, 1588. She also contributed to another paper (*Org. Chem. Front.* **2023**, *10*, 5568), and yet another manuscript with her contribution is about to be submitted to *J. Org. Chem*.

During her PhD. study, Stefanie obtained funding from the Grant Agency of Charles University, and participated in two projects by the Czech Science Foundation. She presented her results at several national and international conferences. From May 2023 to August 2023, she joined Dr. Beil's group at the University of Groningen, the Netherlands, for internship, and worked in the electrochemistry field.

Finally, Stefanie was a careful worker in the laboratory, although I should also add that she needed corrections from time to time. However, clear progress in mastering of the craft of organic synthesis was apparent, and, at the end of the day, she has grown up to become a qualified synthetic organic chemist. In writing up her Thesis, the candidate also proceeded with reasonable care.

All in all, I wholeheartedly recommend that Stefanie´s PhD. Thesis be admitted to defence.

In Hradec Králové 27. March, 2026

Prof. RNDr. Milan Pour, PhD.