To Career Service,
Erasmus,

I am writing to express my enthusiastic interest in carrying out a month of Erasmus+ research stay during the Fall 2025 in Dr. Roefles' laboratory at the University of Groningen. During this period, I will undertake experimental validation of my computational EVB simulation results done through alanine scanning on the active site residues of the artificial enzyme LmrR_pAF. The lab's pioneering work on artificial metalloenzymes especially the catalytic role of non-canonical amino acids like p-aminophenylalanine (pAF) incorporated into the LmrR scaffold, provides the perfect setting for this project. My visit will focus on using LmrR_pAF as the enzymatic framework to test predictions made via empirical valence bond (EVB) simulations.

Although my primary expertise lies in computational chemistry, during my stay in the lab, I will extend this foundation by working in enzyme kinetics and activity assays to experimentally validate computational predictions previously done.

I am confident that this research stay will greatly enrich my doctoral training and foster valuable interdisciplinary collaboration. I would be truly grateful for the opportunity to work in the lab, and I am committed to contributing to ongoing research efforts during the Erasmus-funded period.

Thank you very much for your time and consideration

Sincerely,
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