

Jérôme Golebiowski

Professor

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in Odors, Odorants, and Olfaction (GDR O3, CNRS)

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To whom it may concern,

It is my great pleasure to recommend Ms. Eliane Delwende Birba for your PhD program. Eliane has just finished a 6-month internship for her Master's thesis in my lab under my direct supervision. My lab is specialized in chemo-/bio-informatics and molecular modeling of the olfaction system. One of our major research axes is to understand the link between odorants' chemical structures and their smells. This is a central yet poorly understood problem in olfaction. It was notably the subject of the 2015 edition of the DREAM challenge. Inspired by the DREAM challenge, Eliane has established a machine-learning protocol to address this problem. Her approach achieved comparable performance to the winners of the 2015 DREAM challenge. Her work has enabled us an important step forward in this largely untapped domain.

Eliane is highly independent, self-motivated and determined. Despite her background in informatics and machine learning, she showed strong interest in the scientific question and rapidly grasped the fundamentals in odorant chemistry. From the technical viewpoint, she has undoubtedly strong competences. Beyond scientific discussions, I was also very impressed by her language skills – she even speaks fluent Chinese with our colleagues from China.

I believe that Eliane will continue her excellence in a pursue of further studies/research. I recommend her application without reservation. Should you have further questions, please do not hesitate to contact me.

Sincerely,



Jérôme Golebiowski