

# TRAVEL GRANT REPORT

## T4SS conference 2025

Nancy, France 17.-20. February 2025

Molecular Biology

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The travel grant by the SSM enabled me to attend and present my work at the International Conference on Type 4 Secretion Systems in Nancy, France. This conference focused on T4SS structure, function, and substrates (such as protein effectors, plasmids, and integrative conjugative elements).

I presented my recently published work (PMID: 39387552) in a short talk and with a poster titled: "Revisiting effector functions: Involvement of a putative T4SS effector in envelope integrity". I showed that the putative T4SS effector BspD of *Brucella* has an ancestral function in envelope integrity likely predating the evolution or the acquisition of the T4SS in the Rhizobiales. My talk was met with much interest from the audience and I received the "2<sup>nd</sup> best talk" award by the Société Française de Biochimie et Biologie Moléculaire (SFBBM).

I had the opportunity to interact and get feedback from leading figures in the field on my ongoing projects and my recent publication. I especially enjoyed that many from the rather small *Brucella* community attended the conference, which was especially valuable to me. The conference was topped off with a Gala Dinner at the Grands Salons de l'Hôtel de Ville (Nancy City hall) accompanied by a magician and the exceptional Nancy University Choir.

I would like to express my gratitude to the SSM for the financial support enabling my participation in this valuable conference.



Short talk at International Conference on Type 4 Secretion Systems



Gala Dinner at the Grands Salons de l'Hôtel de Ville