

Rennes, 25th of March 2015
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Madam, Mister,

Currently student at the ENSAI (National School of Statistic and Information Analysis) and Rennes I university, I am honoured to apply to your PhD offer.

Working on various current scientific questions requiring multidisciplinary teams, Groningen university perfectly fits my expectation as work environment. Indeed, I consider any opportunity to discover interactions between mathematic and other scientists work as a chance.

To me, biology is a very interesting application domain of mathematic as the complexity of nature always requires more advanced mathematical tools to be understood. I have now been interested in both applied and theoretical mathematical research for five years. That is the reason why I chose to follow a double master which allowed me to attend both theoretical and applied classes.

I am particularly interested in your subject which is at the same time an interesting mathematical problem and applied to a motivating theme. In fact I have worked on projects concerning biodiversity and impacts of exterior factors on it, for example studying the evolution of an ecosystem in remediation.

Moreover, I am particularly attracted by multidisciplinary problematics which requires communication between different scientific communities. Indeed I believe mathematic is a beautiful science but even more when it explains the world which surrounds us. Your institute gathers an important scientific community which, to me, is a good opportunity to broaden my mind to new problematics.

To conclude, the eventuality to undertake a PhD abroad is for me a good opportunity to discover a different organisation and a different way to consider scientific studies.

Thank you for any attention and time you take in reviewing my application.
Yours sincerely,

Xavier Loizeau