Statistical methods for the analysis of complex omics data

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Curriculum Vitae

Renaud Tissier was born on the 16th of September 1987, in Louviers, France. He finished his secondary education in 2005 at the Lycée Georges Clémenceau in Nantes, France. After three years studying in a preparatory class for high scientific school at the Lycée Saint-Joseph in la Roche-sur-Yon, France, he successfully integrated the National School for Statistics and Information Analysis, ENSAI, in Bruz, France. Where he obtained his engineering diploma (Msc equivalent) in statistics with specialization in biostatistics in 2012.

In 2013, he started his PhD at the Department of Medical Statistics and Bioinformatics, Leiden University Medical center, under the supervision of Prof.dr. Jeanine Houwing-Duistermaat, dr. Roula Tsonaka and Dr Mar Rodrìguez-Girondo. His work was founded by the FP7 grant MIMomics and focused on the development of novel statistical methodology for the analysis of complex omics data. The results of this research are presented in this thesis. Chapter 2 of this thesis has been awarded with the Best Student Presentation Award at the 43rd European Mathematical Genetics Meeting (2015). Renaud also spent one year and three months as a visiting searcher at the Leeds Institute of Data Analysis, Leeds, United Kingdom.

In 2017, he joined Prof.dr. Michel Westenberg research group in the social sciences institute of the Leiden University, where he worked as a postdoctoral fellow providing statistical support and supervision for the Leiden Family Lab study on Social Anxiety Disorder.

In September 2018, he joined, as a postdoctoral fellow, dr. Renee de Menezes in the Big statistics group of the department of Epidemiology and Biostatistics of the Vrij University Medical centre, where he works on the development of statistical methodology for the analysis of CRISPR data and the data integration of CRISPR and RNA sequencing datasets.