The handle http://hdl.handle.net/1887/28508 holds various files of this Leiden University dissertation.

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Curriculum vitae
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Julio Eduardo Peironcely Miguel was born on 9 December 1982 in Barcelona, Catalonia, Spain. He completed his BSc in Computer Science in 2006 at Universitat Autonoma de Barcelona. In September 2006 he joined the MSc Bioinformatics offered jointly by Leiden and TU Delft universities. During his studies, he developed an interest in research using and developing software for life sciences. He started with the data integration of different microarray experiments, under the supervision of Dr. F. Verbeek. He continued between January and September 2008, with a research project between the Medicinal Chemistry group (supervisors Dr. A. Bender and Dr. E. vd Horst) and the Leiden Institute For Advanced Computer Science (LIACS) (supervisor Dr. M. Emerich). In this project he devised a new way to measure the similarity of GPCR receptors according to their sequence similarity and their ligand similarity. From October 2008 till December 2012 he performed the work presented in this thesis as PhD student in Analytical Biosciences at Leiden University (supervisor Prof. Dr. T. Hankemeier and Dr. T. Reijmers), TNO Quality of Life (supervisors Dr. L. Coulier and Dr. I. Bobbeldijk-Pastorova) and the Institute Of Systems and Synthetic Biology at Evry University (supervisor Prof. Dr. J-L. Faulon). During his PhD, Julio was appointed visiting scientist at the Institute Of Applied Mathematics (IPAM) at the University of California Los Angeles (UCLA). Currently Julio works as a data scientist in industry where he continues to use his computational research skills and ingenuity to solve new types of challenges.
Publications
Publications


Not part of this thesis


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