Rodrigo Dorantes-Gilardi

rodrigo.dorantes-gilardi@ens-lyon.fr

IXXI
École normale supérieure de Lyon
46, Allée d'Italie
69007 Lyon
France

Born: 24 April 1990
Nationality: Mexican/Spanish
Web: https://rodogi.github.io

Education

2016–	PhD 2nd-half. Under supervision of Claire Lesieur, *IXXI, École normale supérieure de Lyon, France* "Bio-mathematical aspects of the plasticity of protein folding"
2014–2016	PhD 1st-half, Under supervision of Laurent Vuillon, *LAMA, Le Bourget-du-Lac, France.* "Bio-mathematical aspects of the plasticity of protein folding"
2014	Master thesis supervised by Gelasio Salazar, *Universidad Autónoma de San Luis Potosí, Mexico* "Implementation of an algorithm on the minium crossing number of complete graphs".
2012–2014	Master degree in applied mathematics, *Universidad Autónoma de San Luis Potosí, Mexico.*
2008–2012	Bachelor degree in economics, *Université de Toulouse Capitole, France.*
2005–2008	High School diploma, option: General Sciences, *Instituto Tecnológico de Estudios Superiores de Monterrey, Mexico.*

Publications

2017 (Editing phase)	R. Dorantes-Gilardi et al. *Protein structure performances upon mutations: It takes two to tango.*
2017 (Editing phase)	R. Dorantes-Gilardi et al. *Perturbation of amino acid networks: A statistical study on the efects of mutations on proteins.*
2016 (May)	Achoch et al. *Protein structural robustness to mutations: an in silico investigation.* Phys. Chem. Chem. Phys., **18**, 13770 (2016)

Talks

2016 (May)	Workshop on Mechanisms underlying local to global signals in networks IXXI, École Normale Supérieure de Lyon, France.
2016 (March)	Workshop on Advanced mathematics for network analysis Luchon, France.
2015 (June)	Workshop on protein fibers: from pathology to nanomaterial École Normale Supérieure de Lyon, France.
2015 (April)	IXXI Seminar École Normale Supérieure de Lyon, France.
2014 (December)	Theoretical Approaches for the Genome and the proteome Bourget-du-Lac, France.

Conferences and Schools

2016 (April)	*Spring school of theoretical informatics.* CIRM, Marseille, France.
2016 (March)	*School for young researchers in mathematical informatics.* IMJ-PRG, Paris, France.
2014 (Nov.)	*Lyon systems biology.* Bernoulli Center, EPFL, Switzerland.

Organization

2014 (December)	Theoretical Approaches for the Genome and the proteome Bourget-du-Lac, France.

Skills

Python	Advanced
Git	Intermediate
Linux	Intermediate
HTML, CSS	Intermediate
Bash	Intermediate
R	Basic

Languages

Spanish	Reading, Writing, Speaking: Native language.
English	Reading, Writing, Speaking: Fluent.
French	Reading, Writing, Speaking: Fluent.