

Europass Curriculum Vitae

Personal information

Surname(s) / First name(s)

Address(es)

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Nationality(-ies)

Date of birth

Gender

Siro Brigiano Flavio

23 Rue Eugène Carrière, 75018 Paris, France

flavio.sirobrigiano@univ-evry.fr

Italian

22/12/1990, Rome, Italy

Male

Research activity

Nombre total de publications
scientifiques

Expert in quantum chemistry calculations, DFT-molecular dynamics, biased metadynamics, spectroscopy (IR,IRPD, SFG), Metal Oxydes and Prebiotic Chemistry

3, (PNAS 2019, PCCP 2018 "Hot Paper", Astronomy and Astrophysics 2018)

Biography

Flavio Siro Brigiano got his Bachelor degree in 2013 and his Master degree in 2015, both in Chemistry, at the University of Rome "La Sapienza". He is currently in his third year of PhD at the University of Evry Val D'Essonne, University of Paris Saclay in the LAMBE-UMR8587 laboratory under the supervision of Prof. Marie-Pierre Gageot with the Thesis subject "The Origin of life on Earth: Peptide bond condensation at the Air/Water interface by DFT-MD simulations".

His PhD research focuses in the understanding of prebiotic chemical reactions accelerated at the air/Water interface that could have played a crucial role in the origin of proteins in the absence of enzymes in prebiotic ages. His work is also contributing to gas reactivity spectroscopy and solid-water spectroscopies. Author of 3 articles on international peer-reviewed journals in different domains of chemistry, ranging from astrochemistry(Astronomy and Astrophysics 2018), gas phase spectroscopy (PCCP 2018) to the characterization of silica/water interfaces by molecular dynamics and SFG spectroscopy (PNAS 2019).