

Subject: Postdoctoral Fellowship (Bilbao, Spain & Waterloo, Canada)

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Postdoctoral Fellowship in Machine-Learning-Driven Atomistic

Simulations for Energy & Health (Bilbao/EU-Spain and Waterloo/Canada)

The project "Machine-Learning-Driven Atomistic Simulations for Energy and Biomedical Applications" will be led by the group of Modelling and Simulation in Life and Material Sciences at BCAM (Basque Country) and the MS2Discovery Interdisciplinary Research Institute at Wilfrid

Laurier University (Waterloo, Canada). The objective of the project is to enable efficient and tractable simulations of several important classes of complex atomistic systems through the use of

novel Machine

Learning (ML) techniques, paying particular attention to those cases

where state of the art Molecular Dynamics (MD) algorithms are lagging

behind the current needs of challenging applications in energy and

health. The postdoctoral candidate will work under the supervision of

Ikerbasque Research Professor Elena Akhmatskaya

(akhmatskaya@bcamath.org, <mailto:

akhmatskaya@bcamath.org> MSLMS

group, BCAM) and Tier I Canada Research Chair,

Professor Roderick

Melnik (rmelnik@wlu.ca, <mailto: rmelnik@wlu.ca>

MS2Discovery IRI,

Wilfrid Laurier University, Waterloo).

Deadline for applications is September 13, 2019

(to apply, please follow the instructions at this page:

<http://www.bcamath.org/en/research/job/postdoctoral-fellowship-in-machine-learning-driven-atomistic-simulations-for-energy>).