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Traversing the free-energy pathways of intricate biomolecular processes

Enhanced simulation development and applications

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Publication date

2021

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Citation for published version (APA):

Pérez de Alba Ortíz, A. (2021). *Traversing the free-energy pathways of intricate biomolecular processes: Enhanced simulation development and applications*.

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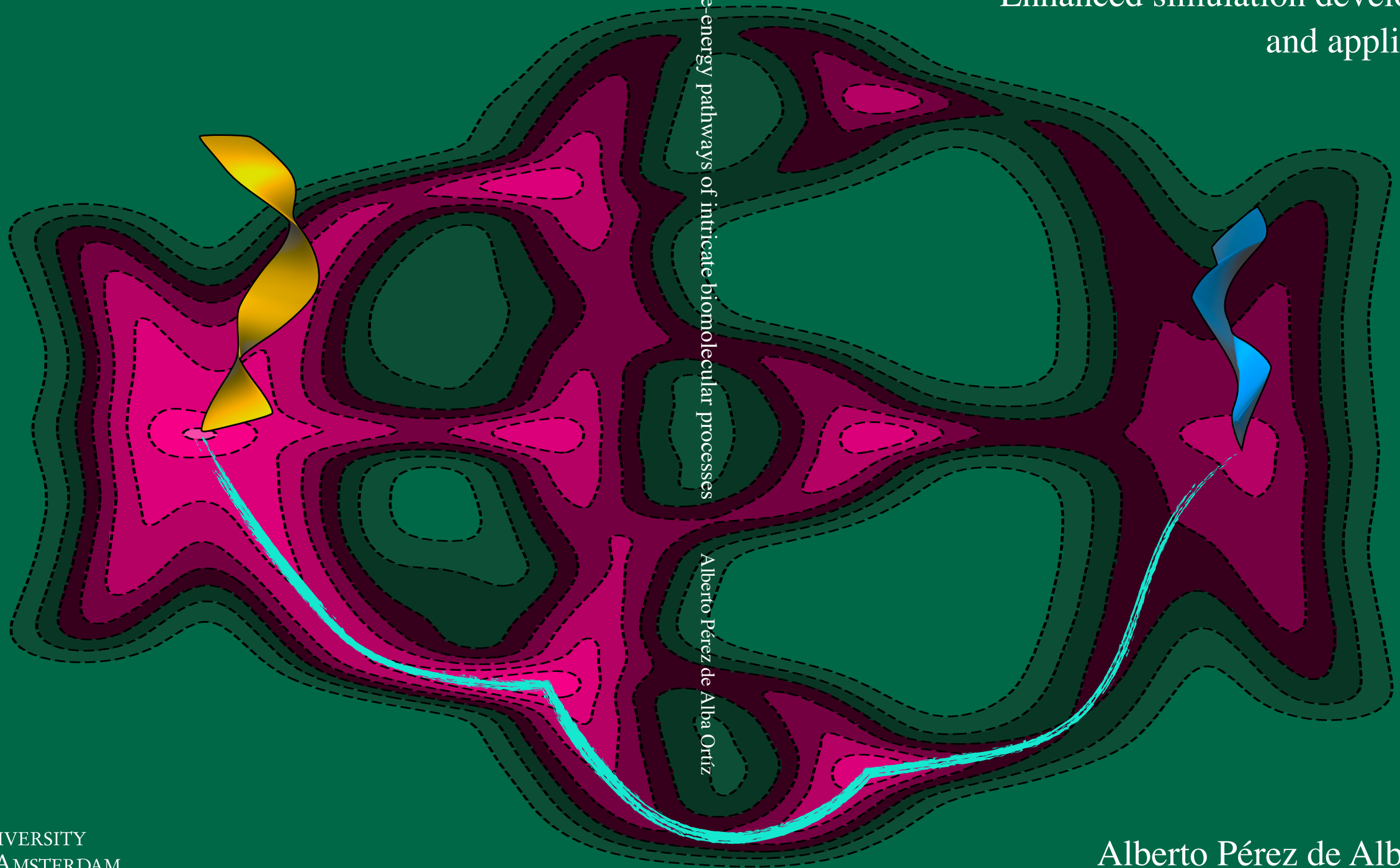
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Traversing the free-energy pathways of intricate biomolecular processes

Enhanced simulation development
and applications

Traversing the free-energy pathways of intricate biomolecular processes

Alberto Pérez de Alba Ortíz



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Enhanced simulation development and applications

Traversing the free-energy pathways of intricate biomolecular processes
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ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad van doctor
aan de Universiteit van Amsterdam
op gezag van de Rector Magnificus
prof. dr. ir. K.I.J. Maex

ten overstaan van een door het College voor Promoties ingestelde commissie,
in het openbaar te verdedigen in de Aula der Universiteit
op woensdag 22 september 2021, te 14.00 uur

door Alberto Pérez de Alba Ortiz
geboren te Distrito Federal

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This work was financially supported by the Mexican National Council for Science and Technology (CONACYT). This work was carried out on the Dutch national e-infrastructure with the support of SURF Cooperative, and in the Van 't Hoff Institute for Molecular Sciences at the University of Amsterdam.

Cover illustration: PathMap of the right- to left-handed helix transition channels in polyproline (see Chapter 5, Fig. 5.4). The color scheme is based on Mexican-flag green and Mexican pink.

Cover design: A. Pérez de Alba Ortíz.

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ISBN 978-94-6421-433-8

An electronic version of this dissertation is available at
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A mi madre,

*No vale nada la vida,
la vida no vale nada,
comienza siempre llorando
y así, llorando se acaba.
Por eso es que en este mundo,
la vida, no vale nada.*

*Bonito León, Guanajuato,
la feria con su jugada,
allí se apuesta la vida
y se respeta al que gana.
Allá en mi León, Guanajuato,
la vida no vale nada.*

*Camino de Guanajuato
que pasas por tanto pueblo,
no pases por Salamanca
que ahí me hiere el recuerdo.
Vete rodeando veredas.
No pases, porque me muero.*

*El Cristo de tu montaña
del Cerro del Cubilete,
consuelo de los que sufren,
adoración de la gente.
El Cristo de tu montaña
del Cerro del Cubilete.*

*Camino de Santa Rosa,
la sierra de Guanajuato.
Allí nomás tras lomita
se ve Dolores Hidalgo.
Yo allí me quedo, paisano.
Allí es mi pueblo adorado.*

José Alfredo Jiménez

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