



**Jorge Pablo Rodríguez  
García**

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**Jorge Pablo Rodríguez García**

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Surname(s):	<b>Rodríguez García</b>
Name:	<b>Jorge Pablo</b>
Date of birth:	<b>31/10/1990</b>
Gender:	<b>Male</b>
Land line phone:	<b>971259880</b>
Email:	<b>jorge@ifisc.uib-csic.es</b>

**Current professional situation**

**Employing entity:** Universidad de las Islas Baleares  
**Department:** Instituto de Física Interdisciplinar y Sistemas Complejos (IFISC)  
**Professional category:** PhD Student  
**Start date:** 13/10/2014  
**Type of contract:** Grant-assisted student (pre or post-doctoral, others)



## Education

### University education

#### 1st and 2nd cycle studies and pre-Bologna degrees

**University degree:** Higher degree

**Name of qualification:** Licenciado en Física

**Degree awarding entity:** Universitat de València

**Type of entity:** University

**Date of qualification:** 29/07/2013

#### Other postgraduate university studies

**Postgraduate qualification:** Máster Universitario en Física de Sistemas Complejos

**Degree awarding entity:** Universidad de las Islas Baleares

**Type of entity:** University

**Faculty, institute or centre:** Facultad de Ciencias

**Date of qualification:** 08/09/2014

### Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
Catalan	B1	B2	A1	A1	A1
English	B2	C1	B2	B2	C1

## Teaching experience

### General teaching experience

- Name of the course:** Ecuaciones Diferenciales I

**University degree:** Graduado o Graduada en Física

**Start date:** 10/2017 **End date:** 01/2018

**Entity:** Universidad de las Islas Baleares **Type of entity:** University
- Name of the course:** Física

**University degree:** Graduado o Graduada en Bioquímica

**Start date:** 10/2015 **End date:** 01/2018

**Entity:** Universidad de las Islas Baleares **Type of entity:** University

**Faculty, institute or centre:** Facultad de Ciencias



- 3** **Name of the course:** Física Médica  
**University degree:** Graduado o Graduada en Medicina  
**Start date:** 10/2016 **End date:** 01/2017  
**End date:** 01/2017  
**Entity:** Universidad de las Islas Baleares **Type of entity:** University  
**Faculty, institute or centre:** Facultad de Medicina
- 4** **Name of the course:** Mecánica  
**University degree:** Graduado o Graduada en Ingeniería Agroalimentaria y del Medio Rural  
**Start date:** 10/2016 **End date:** 01/2017  
**End date:** 01/2017  
**Entity:** Universidad de las Islas Baleares **Type of entity:** University  
**Faculty, institute or centre:** Escuela Politécnica Superior
- 5** **Name of the course:** Matemáticas II  
**University degree:** Graduado o Graduada en Física  
**Start date:** 02/2016 **End date:** 06/2016  
**End date:** 06/2016  
**Entity:** Universidad de las Islas Baleares **Type of entity:** University  
**Faculty, institute or centre:** Facultad de Ciencias
- 6** **Name of the course:** Mecánica  
**University degree:** Graduado o Graduada en Ingeniería de Edificación  
**Start date:** 10/2015 **End date:** 01/2016  
**End date:** 01/2016  
**Entity:** Universidad de las Islas Baleares **Type of entity:** University  
**Faculty, institute or centre:** Escuela Politécnica Superior

## Scientific and technological experience

### Scientific or technological activities

#### Supervised artistic projects

**Description:** El árbol pendular  
**Name of the exhibition:** Fotciencia 14  
**Authors (by signature order):** Jorge Pablo Rodríguez García  
**Start date:** 03/2017

## Scientific and technological activities

### Scientific production

#### Publications, scientific and technical documents

- 1** Carlos J. Melián; Blake Matthews; Cecilia S. de Andreazzi; Jorge P. Rodríguez; Luke J. Harmon; Miguel A. Fortuna. Deciphering the interdependence between ecological and evolutionary networks. *Trends in Ecology & Evolution*. 33 - 7, pp. 504 - 512. 24/05/2018. Available on-line at: <<https://doi.org/10.1016/j.tree.2018.04.009>>.

**Type of production:** Scientific paper **Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Total no. authors:** 6
- 2** Ana Sequeira; Jorge P. Rodríguez; et al. Convergence of marine megafauna movement patterns in coastal and open oceans. *Proceedings of the National Academy of Sciences*. 115 - 12, pp. 3072 - 3077. 26/02/2018. Available on-line at: <<https://doi.org/10.1073/pnas.1716137115>>.

**Type of production:** Scientific paper **Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee
- 3** Jorge P. Rodríguez; Yu-Hao Liang; Yu-Jhe Huang; Jonq Juang. Diversity of hysteresis in a fully cooperative coinfection model. *Chaos*. 28 - 2, pp. 023107. 06/02/2018. Available on-line at: <<https://doi.org/10.1063/1.4996807>>.

**Type of production:** Scientific paper **Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** No
- 4** Jorge P. Rodríguez; Fakhteh Ghanbarnejad; Víctor M. Eguíluz. Risk of coinfection outbreaks in temporal networks: a case study of a hospital contact network. *Frontiers in Physics*. 5, pp. 46. 06/10/2017. Available on-line at: <<https://doi.org/10.3389/fphy.2017.00046>>.

**Type of production:** Scientific paper **Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Total no. authors:** 3 **Corresponding author:** No
- 5** Rodríguez JP; Fernández-Gracia J; Thums M; Hindell MA; Sequeira AM; Meekan MG; Costa DP; Guinet C; Harcourt RG; McMahon CR; Muelbert M; Duarte CM; Eguíluz VM. Big data analyses reveal patterns and drivers of the movements of southern elephant seals. *Scientific Reports*. 7 - 112, Springer Nature, 08/03/2017. Available on-line at: <<https://www.nature.com/articles/s41598-017-00165-0>>.

**Type of production:** Scientific paper **Format:** Journal

**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee

**Corresponding author:** Yes



## Works submitted to national or international conferences

- 1** **Title of the work:** Coinfection in the space: cooperative disease spreading in geometric and contact networks  
**Name of the conference:** COSTNET17  
**Corresponding author:** Yes  
**City of event:** Palma, Balearic Islands, Spain  
**Date of event:** 25/10/2017  
**End date:** 27/10/2017  
**Organising entity:** INSTITUTO DE FISICA INTERDISCIPLINAR Y SISTEMAS COMPLEJOS  
**Type of entity:** State agency  
Jorge P. Rodríguez; Fakhteh Ghanbarnejad; Víctor M. Eguíluz.
- 2** **Title of the work:** Cooperative spreading diseases in temporal networks  
**Name of the conference:** 8th Conference on Complex Networks (CompleNet'17)  
**Corresponding author:** Yes  
**City of event:** Dubrovnik, Croatia  
**Date of event:** 2017  
JP Rodríguez; F Ghanbarnejad; VM Eguíluz.
- 3** **Title of the work:** Cooperative spreading diseases in temporal networks  
**Name of the conference:** Crossroads in Complex Systems  
**Corresponding author:** Yes  
**City of event:** Palma, Balearic Islands, Spain  
**Date of event:** 2017  
**Organising entity:** INSTITUTO DE FISICA INTERDISCIPLINAR Y SISTEMAS COMPLEJOS  
**Type of entity:** State agency  
JP Rodríguez; F Ghanbarnejad; VM Eguíluz.
- 4** **Title of the work:** Cooperative spreading diseases in temporal networks  
**Name of the conference:** FisEs 17  
**Corresponding author:** Yes  
**City of event:** Sevilla, Andalusia, Spain  
**Date of event:** 2017  
JP Rodríguez; F Ghanbarnejad; VM Eguíluz.
- 5** **Title of the work:** Movement patterns of southern elephant seals from individual to collective scales  
**Name of the conference:** Crossroads in Complex Systems  
**City of event:** Palma, Balearic Islands, Spain  
**Date of event:** 2017  
**Organising entity:** INSTITUTO DE FISICA INTERDISCIPLINAR Y SISTEMAS COMPLEJOS  
**Type of entity:** State agency  
JP Rodríguez; J Fernández-Gracia; M Thums; MA Hindell; AMM Sequeira; MG Meekan; DP Costa; C Guinet; RG Harcourt; CR McMahon; M Muelbert; CM Duarte; VM Eguíluz.
- 6** **Title of the work:** Movement patterns of southern elephant seals from individual to collective scales  
**Name of the conference:** FisEs 17  
**City of event:** Sevilla, Andalusia, Spain  
**Date of event:** 2017



JP Rodríguez; J Fernández-Gracia; M Thums; MA Hindell; AMM Sequeira; MG Meekan; DP Costa; C Guinet; RG Harcourt; CR McMahon; M Muelbert; CM Duarte; VM Eguíluz.

**7 Title of the work:** Cooperative spreading diseases with mobile agents

**Name of the conference:** NetSci 2016

**Corresponding author:** No

**City of event:** Seoul, Republic of Korea

**Date of event:** 2016

JP Rodríguez; F Ghanbarnejad; VM Eguíluz.

**8 Title of the work:** Heterogeneity in synchronizing networks of mobile particles

**Name of the conference:** DPG Spring Meeting 2015

**Corresponding author:** Yes

**City of event:** Berlin, Berlin, Germany

**Date of event:** 03/2015

JP Rodríguez; VM Eguíluz.

## R&D management and participation in scientific committees

### Organization of R&D activities

**Title of the activity:** COSTNET 17

**Type of activity:** Conference

**Convening entity:** INSTITUTO DE FISICA  
INTERDISCIPLINAR Y SISTEMAS COMPLEJOS

**City convening entity:** Palma, Balearic Islands, Spain

**Start-End date:** 25/10/2017 - 27/10/2017

**Geographical area:** European Union

**Type of entity:** State agency

## Other achievements

### Stays in public or private R&D centres

**1 Entity:** Department of Engineering Mathematics,  
University of Bristol

**City of entity:** Bristol, United Kingdom

**Start-End date:** 05/03/2018 - 06/04/2018

**Goals of the stay:** Guest

**Provable tasks:** Research stay with Dr. N. Masuda

**Type of entity:** University

**Duration:** 1 month - 1 day

**2 Entity:** Eawag

**City of entity:** Kastanienbaum, Switzerland

**Start-End date:** 17/08/2017 - 07/09/2017

**Goals of the stay:** Guest

**Provable tasks:** Research Stay with Dr. C. Melián

**Duration:** 22 days

**3 Entity:** Department of applied mathematics, National Chiao-Tung University

**City of entity:** Hsinchu, Taiwan

**Start date:** 2016

**Duration:** 1 month - 27 days



**Goals of the stay:** Guest

**Provable tasks:** Research stay with Prof. J. Juang

**4** **Entity:** Eawag

**City of entity:** Kastanienbaum, Switzerland

**Start date:** 2016

**Duration:** 1 month - 4 days

**Goals of the stay:** Guest

**Provable tasks:** Research stay with Dr. C. Melián