



**Daniel Enrique Martinez Tong**

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## Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

Daniel E. Martínez-Tong is a scientist with 10+ years experience in the area of polymer science. He finished his Bachelor's in Physics in Maracaibo (Venezuela) in 2009. During his undergrad studies he was able to collaborate at the "Centro de Modelado Científico" of the Universidad del Zulia (Venezuela) and performed an internship at Universidad Autónoma de Madrid, under the supervision of Dr. Pedro García-Mochales Caro. He graduated "First of the class" and received the "Highest GPA award" from Universidad del Zulia. In 2010, just after graduation, Dr. Martínez-Tong obtained a contract at the Universidad Simón Bolívar as a Junior Teacher. There he had the chance to enroll into Prof. Estrella Laredo's lab, where he began researching about polymer physics and polymer science.

**In 2010, Dr. Martínez-Tong was awarded with a JAE-Pre (CSIC) scholarship for predoctoral studies.** He obtained his PhD in Physics from Universidad Complutense de Madrid in 2014 ( **Cum Laude**), after almost 4 years of research at the Instituto de Estructura de la Materia (CSIC). His thesis was directed by Dr. Aurora Nogales, and focused on the physics of polymer nanostructures. During the PhD studies he had the opportunity to learn and develop Atomic Force Microscopy techniques for the study of structural and physical properties in polymers. In 2014 he moved to Brussels (Belgium) to work as a postdoctoral researcher at the Université libre de Bruxelles, under the supervision of Prof. Michele Sferrazza. In 2016, he obtained a postdoctoral contract from the Donostia International Physics Center (DIPC) to work in the Polymers and Soft Matter group, under the guidance of Prof. Angel Alegria. During these all these years, Dr. Martínez-Tong has focused on the field of dynamic/structure relations in polymer materials, with special emphasis on polymer nanostructures.

Nowadays, Dr. Martínez-Tong carries his research at the Universidad del País Vasco thanks to the financial support of a "**Juan de la Cierva - Incorporación**" fellowship of the Spanish government. He is currently involved in the study of molecular dynamics using Broadband Dielectric Spectroscopy, and he is the local expert on Atomic Force Microscopy of polymers. Also, Dr. Martínez-Tong carries out several national and international collaborations with renowned institutes as the University of Bologna, POLYMAT, Instituto Química-Física Rocasolano, and Universität Bayreuth. **Currently, Dr. Martínez-Tong is co-supervising 2 students: a PhD student, and a final degree student, all of them with Prof. Alegria.**

Besides keeping on his academic and scientific activities, Dr. Martínez-Tong participates in national and international calls for project funding. He is well-recognized in the local community for his efforts in science dissemination and has been deeply involved in activities.

Dr Martínez-Tong achievements and professional career are supported by **31 publications in peer-reviewed journals**, and book chapters from distinguished editorials. Dr. Martínez-



Tong has also participated in research projects, international conferences and meetings. **He has obtained over 280 k€ in funding for career development. His h-index is 10, and he appears as corresponding author of 17 publications.** In 2019 he began teaching at the Masters of Nanoscience of the Universidad del País Vasco within the Experimental Physics techniques areas: a) Spectroscopies, b) Microscopies.

## General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

### Scientific Productivity:

Number of Articles: 31 (100% in JCR indexed peer-reviewed journals)

Number of Articles as First Author: 13/31 (~40 %)

Number of Articles as Corresponding Author: 17/30 (~55 %)

Number of Articles in Q1: 26/31 (~85 %)

Sum of the Times Cited: 331

Average Citations per Article: 10.6

Average Citations per Year: 41.4

h-index: 10

Number of book chapters: 2

Paper in journals with IF > 5: 1x Chemical Engineering Journal, 1x ACS Applied Materials & Interfaces, 4x Macromolecules

### Career funding:

Over 280 k€ in competitive scholarships, private contracts, and grants for scientific stays.

Pre-doctoral funding: > 90 k€

Post-doctoral funding: > 190 k€

### Students supervision:

Supervised Final Year Works: 1

Supervised Master Thesis: 1

Supervised interns (visiting students): 1

### Ongoing student supervision:

PhD Thesis: 1 (expected 2022)

Final Year Works: 1 (expected 2020)

### Awards:

- Highest GPA award (Maracaibo 2009)

- JAE-Pre Scholarship for doctoral studies (Madrid 2010 - 2014)

- Juan de la Cierva Incorporación Scholarship (IJCI-2017-31600) (Donostia 2018-2020)

- 3 times winner of Best Poster presentation in different conferences



**Participation in projects:**

- Participation in 1 European Project (EUSMI)
- Participation in 4 National and Local Projects

**Referee for the following ISI Journals:**

- European Polymer Journal (Elsevier, Q1)
- Polymer (Elsevier, Q1)
- Polymers (MDPI, Q1)
- Small (Wiley, Q1)
- Applied Surface Science (Elsevier, Q1)
- Journal of Applied Physics (Elsevier, Q2)
- Polymer Bulletin (Wiley, Q3)

Member of the Venezuelan Physics Society (Sociedad Venezolana de Física). ID#183

Personal website: <https://danielmtong.com>



## Daniel Enrique Martinez Tong

Surname(s): **Martinez Tong**  
 Name: **Daniel Enrique**  
 ORCID: **0000-0002-3115-6222**  
 ScopusID: **55249689200**  
 ResearcherID: **M-2574-2014**  
 Contact aut. region/reg.: **Basque Country**  
 Personal web page: **<https://danielmtong.wordpress.com>**

### Current professional situation

**Employing entity:** Universidad del País Vasco **Type of entity:** University

**Department:** Física de Materiales, Facultad de Química

**Professional category:** Juan de la Cierva Incorporación Fellow

**Start date:** 17/12/2018

**Type of contract:** Temporary employment contract **Dedication regime:** Full time

**Primary (UNESCO code):** 220912 - Microscopes; 221006 - Electrolytes; 221090 - Chemistry-Physics of Polymers; 221102 - Composites; 221107 - Dielectrics; 221123 - Non-crystalline states

**Performed tasks:** Juan de la Cierva Incorporación Fellow, 2017 call (JCI-2017-31600). Involved in the activities of the Polymers and Soft Matter group, at the Materials Physics Center. Part of the "European Soft Matter Infrastructure" (EUSMI) project. Involved in the broadband dielectric studies of polymers' molecular dynamics. Local expert in Atomic Force Microscopy (AFM). Current collaborations: - Prof. Lotti and Dr. Soccio. Università di Bologna. Field: Broadband Dielectric Spectroscopy on bio-based polymers - Prof. Asua. POLYMAT. Field: Atomic Force Microscopy nanomechanical measurements. - Dr. Rebollar. CSIC. Field: Laser nanostructuring of polymers. - Prof. Papastavrou. Univ Bayreuth. Field: Novel Atomic Force Microscopy techniques for polymer science.

### Previous positions and activities

	<b>Employing entity</b>	<b>Professional category</b>	<b>Start date</b>
<b>1</b>	Donostia International Physics Center	Postdoctoral researcher	10/01/2016
<b>2</b>	Université libre de Bruxelles (ULB)	Postdoctoral researcher	27/10/2014
<b>3</b>	Instituto de Estructura de la Materia	Graduate (predoctoral) student and researcher	01/12/2010
<b>4</b>	Universidad Simón Bolívar	Level 1 teacher (Profesor Nivel I)	01/01/2010
<b>5</b>	La Universidad del Zulia	Teacher assistant (Preparador Académico)	03/03/2008

**1** **Employing entity:** Donostia International Physics Center **Type of entity:** Others

**Professional category:** Postdoctoral researcher **Educational Management (Yes/No):** No

**Start-End date:** 10/01/2016 - 15/12/2019

**Duration:** 2 years - 11 months - 5 days



**Type of contract:** Temporary employment contract

**Dedication regime:** Full time

**Performed tasks:** Researcher in the polymers and soft matter area. Local expert in Atomic Force Microscopy (AFM) studies for the study of physical properties (mechanical, electrical and topographical) in polymer-based systems. I've studied polymers molecular dynamics and transport phenomena at the nanoscale using AFM, being part of the team that develops the novel nanoDielectric Spectroscopy (nDS) technique. During this position, I've worked closely with several researchers at the Materials Physics Center (Donostia-San Sebastián, Spain). I've established collaborations with the University of Bologna (Bologna, Italy) for the molecular dynamics study of novel bio-based polymers by Broadband Dielectric Spectroscopy (BDS) and other complementary techniques such as calorimetry and X-ray diffraction. Also, I've collaborated with the "Instituto de Química-Física Rocasolano" (Madrid, Spain) for the preparation of nanostructured polymer surfaces by laser interactions and further characterization of these systems by AFM, especially mechanical and tribological properties. During the year 2018 I was part of the team researching ring polymers, i.e. highly advanced single-chain polymer systems, where I contributed to the study of their molecular dynamics by BDS. Also, during 2018 I established collaborations with the POLYMAT institute, specifically with Prof Asua's team, for the study of latexes using AFM. During my almost 3 years at DIPC, I published 7 scientific articles (more than half as corresponding author), participated in several international conferences (two times winner of best poster presentation), and I was involved in many outreach activities.

**2 Employing entity:** Université libre de Bruxelles (ULB)

**City employing entity:** Brussels, Belgium

**Professional category:** Postdoctoral researcher **Educational Management (Yes/No):** No

**Start-End date:** 27/10/2014 - 15/12/2015

**Duration:** 1 year - 1 month

**Type of contract:** Temporary employment contract

**Dedication regime:** Full time

**Primary (UNESCO code):** 221103 - Crystal Growth; 221105 - Crystal structure; 221128 - Surfaces

**Performed tasks:** Structural characterization of low molecular weight organic molecules in thin film geometry by X-ray diffraction and Atomic Force Microscopy (AFM). Collaborator with the chemistry department and the engineering school for the study of materials at the nanoscale using AFM.

**3 Employing entity:** Instituto de Estructura de la Materia **Type of entity:** State agency

**Department:** Macromolecular Physics

**City employing entity:** Madrid, Community of Madrid, Spain

**Professional category:** Graduate (predoctoral) student and researcher **Educational Management (Yes/No):** No

**Start-End date:** 01/12/2010 - 24/10/2014

**Duration:** 3 years - 11 months

**Type of contract:** Grant-assisted student (pre or post-doctoral, others)

**Dedication regime:** Full time

**Primary (UNESCO code):** 220912 - Microscopes; 221090 - Chemistry-Physics of Polymers; 221107 - Dielectrics; 221128 - Surfaces

**Performed tasks:** Preparation and physical characterization of confined polymer systems, as nanospheres, nanoparticles, thin films and nanostructured surfaces. Study of physical properties of polymers under confinement using several techniques (AFM, calorimetry, dielectric spectroscopy, X-ray diffraction). In charge of the development of Atomic Force Microscopy (AFM) techniques for the mechanical, electrical and topographical study of confined polymers. Collaborator with the "Instituto de Ciencia y Tecnología de Polímeros" (Madrid, Spain) for the study of polymer nanocomposites mechanical properties using AFM. Collaborator with the "Instituto de Química-Física Rocasolano" (Madrid, Spain) for the preparation of Laser Induced Periodic Surface Structures on polymers and its further study about their physical properties using AFM. Collaborator with the "Instituto de Microelectrónica de Barcelona" (Barcelona, Spain) for the study of nanostructured ferroelectric polymers: reading and writing information with nanometer resolution. Awarded with a JAE-Pre scholarship.



- 4** **Employing entity:** Universidad Simón Bolívar      **Type of entity:** University  
**Department:** Physics  
**City employing entity:** Caracas, Venezuela  
**Professional category:** Level 1 teacher (Profesor Nivel I)      **Educational Management (Yes/No):** No  
**Start-End date:** 01/01/2010 - 30/11/2010      **Duration:** 11 months  
**Type of contract:** Temporary  
**Dedication regime:** Full time  
**Performed tasks:** Entry-level teacher in charge of 1st-year physics courses for engineering and science majors. Academic load: 2 terms teaching Elementary Physics (144 academic hours), 1 term teaching Physics Lab (72 academic hours) and 1 summer course teaching elementary physics (72 academic hours).
- 5** **Employing entity:** La Universidad del Zulia      **Type of entity:** University  
**Professional category:** Teacher assistant (Preparador Académico)  
**Start-End date:** 03/03/2008 - 07/12/2009      **Duration:** 1 year - 4 months  
**Performed tasks:** Teacher's assistant at elementary physics courses taught to science students (physics, chemistry and biology majors), during 2 years at the Universidad del Zulia (Maracaibo, Venezuela).





## Education

### University education

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

- 1 University degree:** Máster  
**Name of qualification:** Máster Universitario en Física Aplicada (Master's in Applied Physics)  
**City degree awarding entity:** Madrid, Community of Madrid, Spain  
**Degree awarding entity:** Universidad Complutense **Type of entity:** University de Madrid  
**Date of qualification:** 20/07/2012
- 2 University degree:** Diplomado  
**Name of qualification:** Diplomado en Componente Docente (Diploma in Teaching Skills)  
**City degree awarding entity:** Maracaibo, Venezuela  
**Degree awarding entity:** La Universidad del Zulia **Type of entity:** University  
**Date of qualification:** 01/06/2010
- 3 University degree:** Licenciado  
**Name of qualification:** Licenciado en Física (Bachelor's in Physics)  
**City degree awarding entity:** Maracaibo, Venezuela  
**Degree awarding entity:** La Universidad del Zulia **Type of entity:** University  
**Date of qualification:** 17/10/2009  
**Prize:** End of degree award

#### Doctorates

**Doctorate programme:** Programa Oficial de Doctorado en Ciencias Físicas (Ph.D. in Physics)  
**Degree awarding entity:** Universidad Complutense **Type of entity:** University de Madrid  
**City degree awarding entity:** Madrid, Community of Madrid, Spain  
**Date of degree:** 10/10/2014  
**Thesis title:** CONFINAMIENTO EN NANOESTRUCTURAS POLIMÉRICAS. PREPARACIÓN, PROPIEDADES, APLICACIONES E IMPLICACIONES FÍSICAS./CONFINEMENT IN POLYMER NANOSTRUCTURES: PREPARATION, PROPERTIES, APPLICATIONS AND PHYSICAL IMPLICATIONS.  
**Thesis director:** Aurora Nogales  
**Thesis co-director:** Alejandro Sanz  
**Obtained qualification:** Cum Laude



## Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
Italian	A2	A2	A2	A2	A2
German	A2	B1	B1	A2	A2
English	C1	C1	C1	C1	C1
Spanish	C2	C2	C2	C2	C2

## Teaching experience

### General teaching experience

- 1** **Type of teaching:** Official teaching  
**Name of the course:** Experimental Techniques I: Microscopies  
**Type of programme:** Master's degree **Type of teaching:** In person theory  
**Type of subject:** Obligatory **Type of programme:** Master's degree  
**University degree:** Master in Nanoscience  
**Faculty, institute or centre:** Facultad de Ciencias Químicas  
**Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 0,75  
**Entity:** Universidad del País Vasco **Type of entity:** University  
**Subject language:** English
- 2** **Type of teaching:** Official teaching  
**Name of the course:** Experimental Techniques II: Spectroscopies  
**Type of programme:** Master's degree **Type of teaching:** In person theory  
**Type of subject:** Obligatory **Type of programme:** Master's degree  
**University degree:** Master in Nanoscience  
**Faculty, institute or centre:** Facultad de Ciencias Químicas  
**Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 0,5  
**Entity:** Universidad del País Vasco **Type of entity:** University  
**Subject language:** English
- 3** **Type of teaching:** Official teaching  
**Name of the course:** Experimental Techniques II: Spectroscopies  
**Type of programme:** Master's degree **Type of teaching:** In person theory  
**Type of subject:** Obligatory **Type of programme:** Master's degree  
**University degree:** Master in Nanoscience  
**Faculty, institute or centre:** Facultad de Ciencias Químicas  
**Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 0,5  
**Entity:** Universidad del País Vasco **Type of entity:** University  
**Subject language:** English



## Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Structure and dynamics of polymers: a multiscale approach  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** Angel Alegria  
**Entity:** Universidad del País Vasco **Type of entity:** University  
**City of entity:** San Sebastián, Spain  
**Student:** Matteo Sanviti  
**Date of reading:** 31/10/2022
- 2** **Project title:** Estudio de mezclas poliméricas basadas en polifuranoatos mediante calorimetría diferencial de barrido y espectroscopía infrarroja.  
**Type of project:** End of course project  
**Co-director of thesis:** Angel Alegria  
**Entity:** Universidad del País Vasco **Type of entity:** University  
**City of entity:** San Sebastián, Spain  
**Student:** Julen Olasagasti  
**Date of reading:** 31/07/2020
- 3** **Project title:** Nanoelectrical properties of polymer electrolytes  
**Type of project:** Minor thesis  
**Co-director of thesis:** Angel Alegria  
**Entity:** Universidad del País Vasco **Type of entity:** University  
**City of entity:** San Sebastián, Spain  
**Student:** Jean Pierre Incháustegui  
**Date of reading:** 31/07/2020
- 4** **Project title:** Study of crystalline nanostructures on poly(butylene furanoate) thin films  
**Type of project:** End of course project  
**Co-director of thesis:** Angel Alegria  
**Entity:** CENTRO DE FISICA DE MATERIALES **Type of entity:** State agency  
**City of entity:** Donostia, Basque Country, Spain  
**Student:** Iker Castrillo Maestro  
**Obtained qualification:** 9.3  
**Date of reading:** 09/09/2019
- 5** **Project title:** Nanoscale Dielectric Spectroscopy of PEO under Controlled Humidity  
**Type of project:** Research Module  
**Co-director of thesis:** Georg Papastavrou; Sebastian Gödrich; Angel Alegria  
**Entity:** CENTRO DE FISICA DE MATERIALES **Type of entity:** State agency  
**City of entity:** Donostia, Basque Country, Spain  
**Student:** Paul Markus  
**Date of reading:** 29/06/2018



## Scientific and technological experience

### Research and development groups/teams

- 1** **Name of the group:** Polymers and Soft Matter Group  
**Name of principal investigator:** Juan Colmenero  
**Type of collaboration:** Co-authorship of projects and their development  
**City of group:** San Sebastián, Spain  
**Affiliation entity:** Universidad del País Vasco **Type of entity:** University  
**Number of directed thesis:** 1  
**Start date:** 07/01/2016 **Duration:** 4 years - 2 months
- 2** **Name of the group:** Soft Matter Department  
**Name of principal investigator:** Michele Sferrazza  
**Type of collaboration:** Co-authorship of publications  
**City of group:** Bruselas, Belgium  
**Affiliation entity:** Université libre de Bruxelles (ULB) **Type of entity:** University  
**Start date:** 27/10/2014 **Duration:** 1 year - 1 month
- 3** **Name of the group:** SoftMatPol  
**Name of principal investigator:** Tiberio Ezquerra  
**Type of collaboration:** Co-authorship of projects and their development  
**City of group:** Madrid, Spain  
**Affiliation entity:** Instituto de Estructura de la Materia **Type of entity:** State agency  
**Start date:** 01/12/2010 **Duration:** 3 years - 11 months
- 4** **Name of the group:** LabD  
**Name of principal investigator:** Estrella Laredo  
**Type of collaboration:** Co-authorship of publications  
**City of group:** Caracas, Venezuela  
**Affiliation entity:** Universidad Simón Bolívar **Type of entity:** University  
**Start date:** 07/01/2010 **Duration:** 11 months



## Scientific or technological activities

### R&D projects funded through competitive calls of public or private entities

- 1** **Name of the project:** EUSMI EUROPEAN SOFT MATTER INFRASTRUCTURE (EU, H-2020, grant agreement No 731019)  
**Geographical area:** European Union  
**Entity where project took place:** Universidad del País Vasco  
**City of entity:** Donostia, Basque Country, Spain  
**Name principal investigator (PI, Co-PI....):** Angel Alegria  
**Start-End date:** 17/12/2018 - 15/12/2020  
**Total amount:** 270.298 €
- 2** **Name of the project:** Nanoestructuración de Polímeros y Sistemas Híbridos: Una vía sinérgica hacia la multifuncionalidad (MAT2011-23455)  
**Entity where project took place:** Instituto de Estructura de la Materia  
**Type of entity:** State agency  
**City of entity:** Madrid, Community of Madrid, Spain  
**Name principal investigator (PI, Co-PI....):** Mari Cruz Garcia Gutierrez  
**Funding entity or bodies:** Ministerio de Economía y Competitividad  
**Type of entity:** State agency  
**Start-End date:** 01/02/2013 - 24/10/2014  
**Total amount:** 95.041 €
- 3** **Name of the project:** Productos obtenidos por tecnologías de depósito y laminado de nanomateriales basados en carbono y plata para elementos funcionales de automoción  
**Entity where project took place:** Instituto de Estructura de la Materia  
**City of entity:** Madrid, Community of Madrid, Spain  
**Name principal investigator (PI, Co-PI....):** Tiberio A Ezquerro  
**Nº of researchers:** 11  
**Start-End date:** 01/07/2013 - 01/07/2014  
**Total amount:** 12.100 €
- 4** **Name of the project:** Nanocompuestos basados en polímeros termoplásticos reversiblemente entrecruzados. Propiedades dieléctricas. (I-COOP0123)  
**Entity where project took place:** Instituto de Estructura de la Materia  
**City of entity:** Madrid, Community of Madrid, Spain  
**Name principal investigator (PI, Co-PI....):** Maria Esperanza Cagiao Escotado  
**Nº of researchers:** 19  
**Start-End date:** 01/07/2011 - 30/06/2013  
**Duration:** 2 years  
**Total amount:** 37.000 €
- 5** **Name of the project:** Polímeros cíclicos 'a la carta': síntesis, propiedades dieléctricas y aplicaciones biomédicas (PIBA\_2018\_1\_0034)  
**Entity where project took place:** Donostia International Physics Center  
**City of entity:** Donostia, Basque Country, Spain  
**Name principal investigator (PI, Co-PI....):** Fabienne Barroso-Bujans  
**Start date:** 19/09/2018



**Total amount:** 49.850 €

## R&D non-competitive contracts, agreements or projects with public or private entities

- 1** **Name of the project:** Nanomechanical studies of biobased polymer thin films (E190300255)  
**Name principal investigator (PI, Co-PI....):** Daniel E. Martinez Tong  
**Nº of researchers:** 5  
**Funding entity or bodies:**  
European Soft Matter Infrastructure (EUSMI)  
**Start date:** 26/08/2019 **Duration:** 15 days
- 2** **Name of the project:** BDS study on furan-based polymers: high frequencies (E171100040)  
**Degree of contribution:** Researcher  
**Name principal investigator (PI, Co-PI....):** Michelina Soccio  
**Nº of researchers:** 4  
**Funding entity or bodies:**  
European Soft Matter Infrastructure (EUSMI)  
**Start date:** 05/03/2018 **Duration:** 5 days
- 3** **Name of the project:** BDS study on furan-based polymers: low frequencies (E171100043)  
**Degree of contribution:** Researcher  
**Name principal investigator (PI, Co-PI....):** Michelina Soccio  
**Nº of researchers:** 4  
**Funding entity or bodies:**  
European Soft Matter Infrastructure (EUSMI)  
**Start date:** 05/03/2018 **Duration:** 5 days
- 4** **Name of the project:** Local dielectric spectroscopy by AFM. Application to polymer based materials (Reference: 2015/6)  
**Name principal investigator (PI, Co-PI....):** Angel Alegria  
**Funding entity or bodies:**  
Donostia International Physics Center **Type of entity:** Fundación  
**Start date:** 11/01/2016 **Duration:** 2 years - 11 months  
**Total amount:** 93.300 €
- 5** **Name of the project:** Structure of organic semiconducting molecules on surfaces  
**Name principal investigator (PI, Co-PI....):** Michele Sferrazza  
**Funding entity or bodies:**  
Université libre de Bruxelles **Type of entity:** University  
**Start date:** 27/10/2014 **Duration:** 1 year - 1 month  
**Total amount:** 42.000 €



## Scientific and technological activities

### Scientific production

#### Publications, scientific and technical documents

- 1 Beatriz Robles-Hernandez; Michelina Soccio; Iker Castrillo; Giulia Guidotti; Nadia Lotti; Angel Alegria; Daniel E. Martinez-Tong. Poly(alkylene 2,5-furanoate)s thin films: Morphology, crystallinity and nanomechanical properties. *Polymer*. 204, pp. 122825. Science Edition - POLYMER SCIENCEElsevier, 18/07/2020.

**Type of production:** Scientific paper  
**Position of signature:** 7

**Total no. authors:** 7  
**Impact source:** ISI  
**Impact index in year of publication:** 4.22

**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** Yes  
**Category:** Science Edition - POLYMER SCIENCE  
**Journal in the top 25%:** Yes
- 2 Michelina Soccio; Daniel E. Martinez-Tong; Giulia Guidotti; Beatriz Robles-Hernandez; Andrea Munari; Nadia Lotti; Angel Alegria. Broadband Dielectric Spectroscopy Study of Biobased Poly(alkylene 2,5-furanoate)s' Molecular Dynamics. *Polymers*. 12 - 6, pp. 1355. Science Edition - POLYMER SCIENCEMDPI, 16/06/2020.

**Type of production:** Scientific paper  
**Position of signature:** 2

**Total no. authors:** 7  
**Impact source:** ISI  
**Impact index in year of publication:** 3.426

**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** Yes  
**Category:** Science Edition - POLYMER SCIENCE  
**Journal in the top 25%:** Yes
- 3 Elodie Limousin; Edurne Gonzalez; Daniel E. Martinez-Tong; Nicholas Ballard; José M. Asua. Modelling the dynamic development of the curing process and film morphology of films cast from waterborne acrylic-alkyl hybrids. *Chemical Engineering Journal*. 400, pp. 125891. Science Edition - ENGINEERING, CHEMICALElsevier, 09/06/2020.

**Type of production:** Scientific paper  
**Position of signature:** 3

**Total no. authors:** 5  
**Impact source:** ISI  
**Impact index in year of publication:** 10.652

**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No  
**Category:** Science Edition - ENGINEERING, CHEMICAL  
**Journal in the top 25%:** Yes
- 4 Michelina Soccio; Nadia Lotti; Andrea Munari; Esther Rebollar; Daniel E. Martinez-Tong. Wrinkling Poly(trimethylene 2,5-Furanoate) Free-standing Films: Nanostructure Formation and Physical Properties. *Polymer*. 202, pp. 122666. Science Edition - POLYMER SCIENCEElsevier, 26/05/2020.

**Type of production:** Scientific paper  
**Position of signature:** 5

**Total no. authors:** 5  
**Impact source:** ISI

**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** Yes  
**Category:** Science Edition - POLYMER SCIENCE

**Impact index in year of publication:** 4.22**Journal in the top 25%:** Yes

- 5** Paul Markus; Daniel E. Martínez-Tong; Georg Papastavrou; Angel Alegria. Effect of Environmental Humidity on the Ionic Transport of Poly(ethylene Oxide) Thin Films by Local Dielectric Spectroscopy. *Soft Matter. Science Edition - POLYMER SCIENCE* Preprint Server, 03/03/2020.

**DOI:** <https://doi.org/10.1039/C9SM02471A>**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 4**Impact source:** ISI**Impact index in year of publication:** 3.399**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Science Edition - POLYMER SCIENCE**Journal in the top 25%:** Yes

- 6** Daniel E. Martínez-Tong; Jordan Ochs; Fabienne Barroso-Bujans; Angel Alegria. Broadband dielectric spectroscopy to validate architectural features in Type-A polymers: Revisiting the poly(glycidyl phenyl ether) case. *The European Physical Journal E*. 42, pp. 93. Springer, 22/07/2019.

**Type of production:** Scientific paper**Position of signature:** 1**Total no. authors:** 4**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes

- 7** Elodie Limousin; Daniel E Martínez-Tong; Nicholas Ballard; Jose M Asua. Cure-Dependent Morphology of Acrylic/Alkyd Hybrid Latex Films via Nanomechanical Mapping. *ACS Applied Polymer Materials*. 1 - 8, pp. 2213 - 2223. ACS, 11/07/2019.

**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 4**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No

- 8** Jordan Ochs; Daniel E. Martínez-Tong; Angel Alegria; Fabienne Barroso-Bujans. Dielectric relaxation as a probe to verify the symmetrical growth of two-arm poly(glycidyl phenyl ether) initiated by t-BuP4/ethylene glycol. *Macromolecules. Science Edition - POLYMER SCIENCE* ACS, 22/02/2019.

**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 4**Impact source:** ISI**Impact index in year of publication:** 5.914**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Science Edition - POLYMER SCIENCE**Journal in the top 25%:** Yes

- 9** René I. Rodríguez-Beltrán; Daniel E. Martínez-Tong; Adela Reyes-Contreras; Sandra Paszkiewicz; Anna Szymczyk; Tiberio A. Ezquerro; Pablo Moreno; Esther Rebollar. Laterally-resolved mechanical and tribological properties of laser-structured polymer nanocomposites. *Polymer*. 168, pp. 178 - 184. Science Edition - POLYMER SCIENCE Elsevier, 18/02/2019. Available on-line at: <<https://doi.org/10.1016/j.polymer.2019.02.034>>.

**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 8**Impact source:** ISI**Impact index in year of publication:** 3.483**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Science Edition - POLYMER SCIENCE**Journal in the top 25%:** Yes





- 10** Julen De-La-Cuesta; Isabel Asenjo-Sanz; Alejandro Latorre-Sánchez; Edurne González; Daniel E. Martínez-Tong; José A. Pomposo. Enzyme-mimetic synthesis of PEDOT from self-folded iron-containing single-chain nanoparticles. *European Polymer Journal*. 109, pp. 447 - 452. Science Edition - POLYMER SCIENCEElsevier, 08/09/2018.  
**DOI:** <https://doi.org/10.1016/j.eurpolymj.2018.09.012>  
**Type of production:** Scientific paper  
**Position of signature:** 5  
**Total no. authors:** 6  
**Impact source:** ISI  
**Impact index in year of publication:** 3.741  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No  
**Category:** Science Edition - POLYMER SCIENCE  
**Journal in the top 25%:** Yes
- 11** Jordan Ochs; Antonio Veloso; Daniel E. Martínez-Tong; Angel Alegria; Fabienne Barroso-Bujans. An insight into the anionic ring-opening polymerization with tetrabutylammonium azide for the generation of pure cyclic poly(glycidyl phenyl ether). *Macromolecules*. 51 - 7, pp. 2447 - 2455. Science Edition - POLYMER SCIENCEAmerican Chemical Society, 13/03/2018.  
**DOI:** DOI: 10.1021/acs.macromol.7b02580  
**Type of production:** Scientific paper  
**Position of signature:** 3  
**Total no. authors:** 5  
**Impact source:** ISI  
**Impact index in year of publication:** 5.835  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No  
**Category:** Science Edition - POLYMER SCIENCE  
**Journal in the top 25%:** Yes
- 12** Michelina Soccio; Daniel E. Martínez-Tong; Angel Alegria; Andrea Munari; Nadia Lotti. Molecular dynamics of fully biobased poly(butylene 2,5-furanoate) as revealed by broadband dielectric spectroscopy. *Polymer*. 128, pp. 24 - 30. Science Edition - POLYMER SCIENCEElsevier, 06/09/2017.  
**Type of production:** Scientific paper  
**Position of signature:** 2  
**Total no. authors:** 5  
**Impact source:** ISI  
**Impact index in year of publication:** 3.684  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** Yes  
**Category:** Science Edition - POLYMER SCIENCE  
**Journal in the top 25%:** Yes
- 13** Daniel E. Martínez-Tong; Luis A. Miccio; Angel Alegria. Ionic transport in the amorphous phase of semicrystalline polyethylene oxide thin films. *Soft Matter*. 13, pp. 5597 - 5603. Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARYRSC Publishing, 07/07/2017.  
**Type of production:** Scientific paper  
**Position of signature:** 1  
**Total no. authors:** 3  
**Impact source:** ISI  
**Impact index in year of publication:** 3.889  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** Yes  
**Category:** Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY  
**Journal in the top 25%:** Yes
- 14** Daniel E. Martínez-Tong; Mikel Sanz; Tiberio A. Ezquerra; Aurora Nogales; José F. Marco; Marta Castillejo; Esther Rebollar. Formation of polymer nanoparticles by UV pulsed laser ablation of poly (bisphenol A carbonate) in liquid environment. *Applied Surface Science*. 418 - Part B, pp. 522 - 529. Science Edition - MATERIALS SCIENCE, COATINGS & FILMSElsevier, 24/11/2016.  
**Type of production:** Scientific paper  
**Format:** Journal

**Position of signature:** 1

**Total no. authors:** 7

**Impact source:** ISI

**Impact index in year of publication:** 3.387

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

**Corresponding author:** No

**Category:** Science Edition - MATERIALS SCIENCE, COATINGS & FILMS

**Journal in the top 25%:** Yes

- 15** Ludovic Troian-Gautier; Daniel E. Martínez-Tong; Julie Hubert; François Reniers; Michele Sferrazza; Alice Mattiuzzi; Corinne Lagrost; Ivan Jabin. Controlled Modification of Polymer Surfaces through Grafting of Calix[4]arene-Tetradiazate Salts. The Journal of Physical Chemistry C. 120 - 40, pp. 22936 - 22945. Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARYACS Publications, 15/09/2016.

**Type of production:** Scientific paper

**Position of signature:** 2

**Total no. authors:** 8

**Impact source:** ISI

**Impact index in year of publication:** 4.536

**Format:** Journal

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

**Corresponding author:** No

**Category:** Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY

**Journal in the top 25%:** Yes

- 16** Esther Rebollar; Daniel E. Martínez-Tong; Mikel Sanz; Mohamed Oujja; José F. Marco; Tiberio A. Ezquerra; Marta Castillejo. Fluence dependent electrical conductivity in aluminium thin films grown by infrared pulsed laser deposition. Applied Surface Science. 387, pp. 1188 - 1194. Science Edition - MATERIALS SCIENCE, COATINGS & FILMSElsevier, 11/07/2016.

**Type of production:** Scientific paper

**Position of signature:** 2

**Total no. authors:** 7

**Impact source:** ISI

**Impact index in year of publication:** 3.387

**Format:** Journal

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

**Corresponding author:** No

**Category:** Science Edition - MATERIALS SCIENCE, COATINGS & FILMS

**Journal in the top 25%:** Yes

- 17** Daniel E. Martínez-Tong; Gabin Gbabode; Christian Ruziè; Basab Chattopadhyay; Guillaume Schweicher; Alan R. Kennedy; Yves H. Geerts; Michele Sferrazza. Self-assembled  $\pi$ -conjugated organic nanoplates: from hexagonal to triangular motifs. RSC Advances. 6, pp. 44921 - 44931. Science Edition - CHEMISTRY, MULTIDISCIPLINARYRSC Publishing, 20/04/2016.

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 8

**Impact source:** ISI

**Impact index in year of publication:** 3.108

**Format:** Journal

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

**Corresponding author:** Yes

**Category:** Science Edition - CHEMISTRY, MULTIDISCIPLINARY

**Journal in the top 25%:** No

- 18** Jing Cui; Daniel E. Martínez-Tong; Alejandro Sanz; Tiberio A. Ezquerra; Esther Rebollar; Aurora Nogales. Relaxation and Conductivity in P3HT/PC71BM Blends as Revealed by Dielectric Spectroscopy. Macromolecules. 49 - 7, pp. 2709 - 2717. Science Edition - POLYMER SCIENCEACS Publications, 23/03/2016.

**Type of production:** Scientific paper

**Position of signature:** 2

**Total no. authors:** 6

**Impact source:** ISI

**Format:** Journal

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

**Corresponding author:** No

**Category:** Science Edition - POLYMER SCIENCE

**Impact index in year of publication:** 5.835**Journal in the top 25%:** Yes

- 19** Daniel E. Martínez-Tong; Christian Ruziè; Yves Geerts; Michele Sferrazza. Structural Evolution of an Organic Semiconducting Molecule onto a Soft Substrate. *ChemPhysChem*. 17 - 8, pp. 1174 - 1179. Science Edition - PHYSICS, ATOMIC, MOLECULAR & CHEMICAL Wiley, 19/02/2016.

**Type of production:** Scientific paper**Position of signature:** 1**Total no. authors:** 4**Impact source:** ISI**Impact index in year of publication:** 3.075**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Science Edition - PHYSICS, ATOMIC, MOLECULAR & CHEMICAL**Journal in the top 25%:** Yes

- 20** Álvaro Rodríguez-Rodríguez; Michelina Soccio; Daniel E. Martínez-Tong; Tiberio A. Ezquerra; Benjamin Watts; Mari-Cruz García-Gutiérrez. Competition between phase separation and structure confinement in P3HT/PCDTBT heterojunctions: Influence on nanoscale charge transport. *Polymer*. 77, pp. 70 - 78. Science Edition - POLYMER SCIENCE Elsevier, 09/09/2015.

**Type of production:** Scientific paper**Position of signature:** 3**Total no. authors:** 6**Impact source:** ISI**Impact index in year of publication:** 3.586**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - POLYMER SCIENCE**Journal in the top 25%:** Yes

- 21** Daniel E. Martínez-Tong; Álvaro Rodríguez-Rodríguez; Aurora Nogales; Mari-Cruz García-Gutiérrez; Francesc Pérez-Murano; Jordi Llobet; Tiberio A. Ezquerra; Esther Rebollar. Laser Fabrication of Polymer Ferroelectric Nanostructures for Nonvolatile Organic Memory Devices. *ACS Applied Materials & Interfaces*. 7 - 35, pp. 19611 - 19618. Science Edition - NANOSCIENCE & NANOTECHNOLOGY ACS Publications, 17/08/2015.

**Type of production:** Scientific paper**Position of signature:** 1**Total no. authors:** 8**Impact source:** ISI**Impact index in year of publication:** 7.145**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** Yes**Category:** Science Edition - NANOSCIENCE & NANOTECHNOLOGY**Journal in the top 25%:** Yes

- 22** Jean Spièce; Daniel E. Martínez-Tong; Michele Sferrazza; Aurora Nogales; Simone Napolitano. Are Polymers Glassier upon Confinement?. *Soft Matter*. 11, pp. 6179 - 6186. Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY RSC Publishing, 12/06/2015.

**Type of production:** Scientific paper**Position of signature:** 2**Total no. authors:** 5**Impact source:** ISI**Impact index in year of publication:** 3.798**Format:** Journal**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee**Corresponding author:** No**Category:** Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY

- 23** D. E. Martínez-Tong; M. Soccio; A. Sanz; C. García; T. A. Ezquerra; A. Nogales. Ferroelectricity and molecular dynamics of poly(vinylidene fluoride-trifluoroethylene) nanoparticles. *Polymer*. 56, pp. 428 - 434. Science Edition - POLYMER SCIENCE Elsevier, 26/11/2014.

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 6

**Impact source:** ISI

**Impact index in year of publication:** 3.562

**Format:** Journal

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

**Corresponding author:** Yes

**Category:** Science Edition - POLYMER SCIENCE

**Journal in the top 25%:** Yes

- 24** D. E. Martínez-Tong; A. S. Najar; M. Soccio; A. Nogales; N. Bitinis; M. A. López-Manchado; T. A. Ezquerra. Quantitative Mapping of Mechanical Properties in Poly(lactic Acid)/Natural Rubber/Organoclay Bionanocomposites as Revealed by Nanoindentation with Atomic Force Microscopy. *Composites Science and Technology*. 104, pp. 34 - 39. Science Edition - MATERIALS SCIENCE, COMPOSITESElsevier, 06/09/2014.

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 7

**Impact source:** ISI

**Impact index in year of publication:** 3.569

**Format:** Journal

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

**Corresponding author:** Yes

**Category:** Science Edition - MATERIALS SCIENCE, COMPOSITES

**Journal in the top 25%:** Yes

- 25** Daniel E. Martínez-Tong; Jing Cui; Michelina Soccio; Carolina García; Tiberio A. Ezquerra; Aurora Nogales. Does the Glass Transition of Polymers Change Upon 3D Confinement?. *Macromolecular Chemistry and Physics*. 215 - 17, pp. 1620 - 1624. Science Edition - POLYMER SCIENCEWILEY-VCH Verlag GmbH & Co, 17/07/2014.

**Type of production:** Scientific paper

**Corresponding author:** Yes

**Impact source:** ISI

**Impact index in year of publication:** 2.616

**Format:** Journal

**Category:** Science Edition - POLYMER SCIENCE

**Journal in the top 25%:** No

- 26** D. E. Martínez-Tong; B. Vanroy; M. Wübberhorst; A. Nogales; S. Napolitano. Crystallization of Poly(l-lactide) Confined in Ultrathin Films: Competition between Finite Size Effects and Irreversible Chain Adsorption. *Macromolecules*. 47 - 7, pp. 2354 - 2360. Science Edition - POLYMER SCIENCE28/03/2014.

**Type of production:** Scientific paper

**Position of signature:** 1

**Total no. authors:** 5

**Impact source:** ISI

**Impact index in year of publication:** 5.800

**Format:** Journal

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

**Corresponding author:** No

**Category:** Science Edition - POLYMER SCIENCE

**Journal in the top 25%:** Yes

- 27** M. Soccio; N. Alayo; I. Martín-Fabiani; D. R. Rueda; M. C. García-Gutiérrez; E. Rebollar; D. E. Martínez-Tong; F. Pérez-Murano; T. A. Ezquerra. On the assessment by grazing-incidence small-angle X-ray scattering of replica quality in polymer gratings fabricated by nanoimprint lithography. *Journal of Applied Crystallography*. 47 - 2, pp. 613 - 618. Science Edition - CRYSTALLOGRAPHY19/03/2014. Available on-line at: <<http://dx.doi.org/10.1107/S160057671400168X>>.

**Type of production:** Scientific paper

**Position of signature:** 7

**Total no. authors:** 9

**Impact source:** ISI

**Impact index in year of publication:** 3.984

**Format:** Journal

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

**Corresponding author:** No

**Category:** Science Edition - CRYSTALLOGRAPHY

**Journal in the top 25%:** Yes



- 28** Daniel E Martinez-Tong; Michelina Soccio; Alejandro Sanz; Carolina Garcia; Tiberio A Ezquerra; Aurora Nogales. Chain Arrangement and Glass Transition Temperature Variations in Polymer Nanoparticles under 3D-Confinement. *Macromolecules*. 46 - 11, pp. 4698 - 4705. Science Edition - POLYMER SCIENCEACS, 30/05/2013.  
**Type of production:** Scientific paper  
**Position of signature:** 1  
**Total no. authors:** 6  
**Impact source:** ISI  
**Impact index in year of publication:** 5.927  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No  
**Category:** Science Edition - POLYMER SCIENCE  
**Journal in the top 25%:** Yes
- 29** Daniel E Martinez-Tong; Michelina Soccio; Mari Cruz Garcia-Gutierrez; Aurora Nogales; Daniel R. Rueda; Nerea Alayo; Francesc Perez-Murano; Tiberio A. Ezquerra. Improving information density in ferroelectric polymer films by using nanoimprinted gratings. *Applied Physics Letters*. 102, pp. 191601. Science Edition - PHYSICS, APPLIEDAIP, 13/05/2013.  
**Type of production:** Scientific paper  
**Position of signature:** 1  
**Total no. authors:** 8  
**Impact source:** ISI  
**Impact index in year of publication:** 3.515  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** Yes  
**Category:** Science Edition - PHYSICS, APPLIED  
**Journal in the top 25%:** Yes
- 30** Estrella Laredo; Alfredo Bello; Jonas Dias; Mario Grimau; Daniel Martinez-Tong; Defeng Wu; Liang Wu. Effect of cold-crystallization on the AC and DC conductive properties of polylactide biocomposites with carboxylic or neat large aspect ratio MWCNT. *Polymer Composites*. 34 - 1, pp. 67 - 76. Science Edition - MATERIALS SCIENCE, COMPOSITESWiley, 10/12/2012.  
**Type of production:** Scientific paper  
**Position of signature:** 5  
**Total no. authors:** 7  
**Impact source:** ISI  
**Impact index in year of publication:** 1.455  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No  
**Category:** Science Edition - MATERIALS SCIENCE, COMPOSITES  
**Journal in the top 25%:** No
- 31** Daniel E. Martinez-Tong; Michelina Soccio; Alejandro Sanz; Tiberio A. Ezquerra; Nadia Lotti; Andrea Munari; Aurora Nogales. Towards homogeneous dynamics in incompatible blends by selective transesterification. *Soft Matter*. 8 - 25, pp. 6723 - 6730. Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARYRSC, 21/05/2012.  
**Type of production:** Scientific paper  
**Position of signature:** 1  
**Total no. authors:** 7  
**Impact source:** ISI  
**Impact index in year of publication:** 3.909  
**Format:** Journal  
**Degree of contribution:** Author or co-author of article in journal with external admissions assessment committee  
**Corresponding author:** No  
**Category:** Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY  
**Journal in the top 25%:** Yes
- 32** Aurora Nogales; Daniel E. Martínez-Tong. Crystallization in Nanoparticles. Controlling the Morphology of Polymers. pp. 163 - 180. Springer, ISBN 978-3-319-39320-9  
**DOI:** 10.1007/978-3-319-39322-3  
**Type of production:** Book chapter  
**Position of signature:** 2  
**Format:** Book

**Total no. authors:** 2**Degree of contribution:** Author or co-author of chapter in book**Corresponding author:** No

- 33** Daniel E. Martínez-Tong; Alejandro Sanz; Jaime Martin; Tiberio A. Ezquerra; Aurora Nogales. Non-equilibrium Structure Affects Ferroelectric Behavior of Confined Polymers. Non-equilibrium Phenomena in Confined Soft Matter. pp. 189 - 206. Springer, ISBN 978-3-319-21947-9

**DOI:** 10.1007/978-3-319-21948-6**Type of production:** Book chapter**Format:** Book**Position of signature:** 1**Degree of contribution:** Author or co-author of chapter in book**Total no. authors:** 5**Corresponding author:** No

- 34** Jean Spièce; Daniel E. Martínez-Tong; Simone Napolitano. The thinner, the glassier. Atlas of Science. 16/11/2015. Available on-line at: <<http://atlasofscience.org/the-thinner-the-glassier/>>.

**Type of production:** Web Article**Position of signature:** 2**Total no. authors:** 3**Corresponding author:** No

### Works submitted to national or international conferences

- 1** **Title of the work:** Shaping polymer surfaces by laser interactions: formation and nano mechanical properties of LIPSS in controlled environments  
**Authors (by signature order):** Daniel E Martinez-Tong; Mikel Sanz; Esther Rebollar  
**End date:** 04/10/2019, Yes,  
En: TNT2019. Donostia, pp. 30/09/2019. Basque Country (Spain): FUNDACION PHANTOMS,
- 2** **Title of the work:** The Magic of BDS  
**Authors (by signature order):** Daniel E Martinez-Tong  
**End date:** 12/09/2019, Yes,  
En: SFB840 Seminar Series (invited lecture). Bayreuth, pp. 12/09/2019. Oberfranken (Germany): Universität Bayreuth, University.
- 3** **Title of the work:** Mapping the ionic conductivity of a solid polymer electrolyte by non-contact AFM  
**Authors (by signature order):** Daniel E Martinez-Tong; Paul Markus; Georg Papastavrou; Angel Alegria  
**End date:** 31/05/2019, Yes,  
En: Nanospain 2019. Barcelona, pp. 28/05/2019. Catalonia (Spain): FUNDACION PHANTOMS,
- 4** **Title of the work:** Structure, dynamics and barrier performance relationship in furan-based polyesters  
**Authors (by signature order):** Michelina Soccio; Giulia Guidotti; Nadia Lotti; Valentina Siracusa; Mari Cruz García-Gutiérrez; Edgar Gutiérrez; Tiberio A. Ezquerra; Daniel E. Martínez-Tong; Angel Alegria; Andrea Munari  
**Legal deposit:** Italy  
**End date:** 13/03/2019,  
Milan. En: Milan Polymer Days. Milan, pp. 11/03/2019. (Italy): University of Milan,
- 5** **Title of the work:** Estudio de propiedades dialécticas de polímeros con resolución lateral nanométrica usando microscopio de fuerza atómica  
**Authors (by signature order):** Daniel E. Martínez-Tong; Paul Markus; Angel Alegria  
**Legal deposit:** Venezuela  
**End date:** 23/11/2018, Yes,

Caracas. En: LXVIII convención anual de AsoVAC. Caracas, pp. 21/11/2018. (Venezuela): AsoVAC, Associations and Groups.

- 6** **Title of the work:** Dielectric properties of polymers with lateral resolution using an AFM approach: nanoDielectric Spectroscopy  
**Aut. region/ region organizing entity:** Basque Country  
**Authors (by signature order):** Daniel E. Martínez-Tong  
**Legal deposit:** Spain  
**End date:** Yes  
Donostia. En: POLYMAT seminar series 2018/2019 (Invited lecture). Donostia, pp. 16/11/2018. Basque Country (Spain): POLYMAT, R&D Centre.
- 7** **Title of the work:** Broadband Dielectric Spectroscopy for evaluating cyclic and other complex polymer architectures  
**Aut. region/ region organizing entity:** Basque Country  
**Authors (by signature order):** Daniel E. Martínez-Tong; Jordan Ochs; Angel Alegria; Fabienne Barroso-Bujans  
**Legal deposit:** Spain  
**End date:** 05/10/2018, Yes,  
Donostia. En: 10th ENCP international conference on nanostructured polymers and nanocomposites. Donostia, pp. 03/10/2018. Basque Country (Spain): ECNP, Associations and Groups.
- 8** **Title of the work:** BDS as an analytical tool for the analysis of polyethers with different architectures  
**Authors (by signature order):** Daniel E. Martínez-Tong; Jordan Ochs; Angel Alegria; Fabienne Barroso-Bujans  
**Legal deposit:** Belgium  
**End date:** 31/08/2018, Yes,  
Brussels. En: 10th Conference on Broadband Dielectric Spectroscopy and its Applications. Brussels, pp. 26/08/2018. (Belgium): Université libre de Bruxelles, University.
- 9** **Title of the work:** Molecular dynamics of novel poly(pentamethylene 2,5-furanoate): Exploring a complete landscape of molecular dynamics and finding unexpected results  
**Authors (by signature order):** Daniel E. Martínez-Tong; Michelina Soccio; Giulia Guidotti; Andrea Munari; Nadia Lotti; Angel Alegria  
**Legal deposit:** Belgium  
**End date:** 31/08/2018, Yes,  
Brussels. En: 10th Conference on Broadband Dielectric Spectroscopy and its Applications. Brussels, pp. 26/08/2018. (Belgium): Université libre de Bruxelles, University.
- 10** **Title of the work:** Laterally-resolved properties of all-polymer composites thin films by high-resolution atomic force microscopy  
**Aut. region/ region organizing entity:** Basque Country  
**Authors (by signature order):** Daniel E. Martínez-Tong; Edurne González; Beatriz Robles; José A. Pomposo; Angel Alegria  
**Legal deposit:** Spain  
**End date:** 21/03/2018, Yes,  
Donostia. En: Workshop on Functional Polymers. Donostia, pp. 19/03/2018. Basque Country (Spain): Donostia International Physics Center, Others.
- 11** **Title of the work:** Ionic transport of polymer electrolyte thin-films by nanoDielectric Spectroscopy  
**Authors (by signature order):** Daniel E. Martínez-Tong; Angel Alegria  
**End date:** 23/06/2017,



En: Surfaces and Interfaces Summer School. Donostia, pp. 20/06/2017. (Spain): Universidad del País Vasco, University.

- 12 Title of the work:** nanoDielectric Spectroscopy as a tool for the characterization of polymer electrolytes  
**Authors (by signature order):** Luis A. Miccio; Angel Alegria  
**End date:** 26/05/2017,  
En: E-MRS Spring meeting 2017. Strasbourg, pp. 22/05/2017. (France): European Materials Research Society,
- 13 Title of the work:** Exploring interfacial polarization phenomena in semicrystalline polymer thin films: from local to bulk dielectric measurements  
**Authors (by signature order):** Daniel E. Martínez-Tong; Luis A. Miccio; Angel Alegria  
**End date:** 16/09/2016,  
En: 9th International Conference on BROADBAND DIELECTRIC SPECTROSCOPY AND ITS APPLICATIONS.. Pisa, pp. 11/09/2016. (Italy): Departments of Physics and Engineering of the University of Pisa and National Research Council (CNR-IPCF),
- 14 Title of the work:** Laser fabrication of polymer ferroelectric nanostructures. Application for non-volatile organic memory devices  
**Authors (by signature order):** Jing Cui; Margarita Hernández; Daniel E. Martínez-Tong; Álvaro Rodríguez-Rodríguez; Aurora Nogales; Mari-Cruz García-Gutiérrez; Tiberio A. Ezquerro; Esther Rebollar  
**End date:** 02/09/2016,  
En: 10TH INTERNATIONAL CONFERENCE ON PHOTOEXCITED PROCESSES AND APPLICATIONS (ICPEPA-10). Brasov, pp. 29/08/2016. (Romania): National Institute for Laser, Plasma and Radiation Physics,
- 15 Title of the work:** Dielectric spectroscopy on nanostructured polymer thin films: macroscopic vs AFM based methods  
**Authors (by signature order):** Daniel E. Martínez-Tong  
**End date:** 09/06/2016,  
En: SoftComp Annual Meeting 2016. Ancona, pp. 06/06/2016. (Italy): Network of Excellence (NoE) SoftComp,
- 16 Title of the work:** Formation of polymer nanoparticles by UV pulsed laser ablation of poly(bisphenol A carbinato) in liquid environment  
**Authors (by signature order):** Daniel Martínez-Tong; Esther Rebollar; Mikel Sanz; Tiberio A. Ezquerro; Aurora Nogales; Marta Castillejo  
**End date:** 06/05/2016,  
En: E-MRS (European Materials Research Society) 2016, SPRING MEETING. Lille, pp. 02/05/2016. (France): European Materials Research Society,
- 17 Title of the work:** Simultaneous laser induced periodic nanostructuring and diffraction-assisted micropatterning of thin polymer films  
**Authors (by signature order):** Esther Rebollar; Jaime J. Hernández; Daniel Martínez-Tong; Mari-Cruz García-Gutiérrez; Tiberio A. Ezquerro; Marta Castillejo  
**End date:** 06/05/2016,  
En: E-MRS (European Materials Research Society) 2016, SPRING MEETING. Lille, pp. 02/05/2016. (France): European Materials Research Society,
- 18 Title of the work:** A characterization of poly (L-lactide) thin films via AFM, ellipsometry and X-ray Scattering  
**Authors (by signature order):** Daniel E. Martínez-Tong; J. Spièce; A. Nogales; M. Sferrazza; S. Napolitano  
**End date:** 10/09/2015,





En: 6th International Conference on SYNCHROTRON RADIATION in POLYMER SCIENCE. Madrid, pp. 07/09/2015. Community of Madrid (Spain): Instituto de Estructura de la Materia, State agency.

- 19 Title of the work:** Competition between phase separation and structure confinement in P3HT/PCDTBT heterojunctions: Influence on nanoscale charge transport  
**Authors (by signature order):** A. Rodríguez-Rodríguez; M. Soccio; D. E. Martínez-Tong; T. A. Ezquerra; B. Watts; M. C. García-Gutiérrez  
**End date:** 10/09/2015,  
En: 6th International Conference on SYNCHROTRON RADIATION in POLYMER SCIENCE. Madrid, pp. 07/09/2015. Community of Madrid (Spain): Instituto de Estructura de la Materia, State agency.
- 20 Title of the work:** Crystallinity in poly (3-hexyl thiophene) nanoparticles  
**Authors (by signature order):** J. Cui; D. E. Martínez-Tong; T. A. Ezquerra; A. Nogales  
**End date:** 10/09/2015,  
En: 6th International Conference on SYNCHROTRON RADIATION in POLYMER SCIENCE. Madrid, pp. 07/09/2015. Community of Madrid (Spain): Instituto de Estructura de la Materia, State agency.
- 21 Title of the work:** Simultaneous laser induced periodic nanostructuring and diffraction-assisted micropatterning of thin polymer films  
**Authors (by signature order):** Daniel E. Martínez-Tong; Jaime J. Hernández; Daniel E. Martínez-Tong; Mari-Cruz García-Gutiérrez; Tiberio A. Ezquerra; Marta Castillejo  
**End date:** 04/09/2015,  
En: 13th Conference on Laser Ablation (COLA-2015). Cairns, pp. 31/08/2015. (Australia): Australian National University,
- 22 Title of the work:** Laser fabrication of polymer ferroelectric nanostructures for non-volatile organic memory devices  
**Authors (by signature order):** Daniel E. Martínez-Tong; Álvaro Rodríguez-Rodríguez; Aurora Nogales; Mari-Cruz García-Gutiérrez; Tiberio A. Ezquerra; Esther Rebollar  
**End date:** 15/05/2015,  
En: E-MRS 2015 Spring Meeting. Lille, pp. 11/05/2015. (France): European Materials Research Society,
- 23 Title of the work:** Improving information density in ferroelectric polymer films by using nanoimprinted gratings  
**Authors (by signature order):** Daniel E. Martínez-Tong; Michelina Soccio; Daniel R. Rueda; Aurora Nogales; Mari-Cruz García-Gutiérrez; Tiberio A. Ezquerra  
**End date:** 06/03/2015,  
En: APS March Meeting. San Antonio, pp. 02/03/2015. (United States of America): American Physical Society,
- 24 Title of the work:** Competition between phase separation and structure confinement in all polymer heterojunctions: Influence on charge transport  
**Authors (by signature order):** Álvaro Rodríguez-Rodríguez; Michelina Soccio; Daniel E. Martínez-Tong; Tiberio A. Ezquerra  
**End date:** 10/01/2015,  
En: 2015 EMN Polymer Meeting: energy materials nanotechnology. Orlando, pp. 07/01/2015. (United States of America): uahost,
- 25 Title of the work:** Point-by-point mechanical information on polymer blends  
**Authors (by signature order):** Daniel E. Martínez-Tong  
**End date:** 24/09/2014,  
En: Workshop de Microscopia AFM. Madrid, pp. 23/09/2014. (Spain): Telstar, S.A., Business.



- 26 Title of the work:** Analysis of the conductivity of conjugated polymer/fullerene based blends by dielectric spectroscopy  
**Type of event:** Conference  
**Authors (by signature order):** J Cui; D. E. Martínez-Tong; A. Sanz; T. A. Ezquerra; A. Nogales  
**Legal deposit:** Poland  
**End date:** 19/09/2014,  
Katowice. En: 8th International Conference on Broadband Dielectric Spectroscopy and its Applications. Wisla, pp. 14/09/2014. (Poland): Institute of Physics at the University of Silesia,
- 27 Title of the work:** Broadband Dielectric Relaxation of P(VDF-TrFE) Ferroelectric Nanoparticles  
**Type of event:** Conference  
**Authors (by signature order):** D. E. Martínez-Tong; M. Soccio; A. Sanz; A. Nogales; T. A. Ezquerra  
**Legal deposit:** Poland  
**End date:** 19/09/2014,  
Katowice. En: 8th International Conference on Broadband Dielectric Spectroscopy and its Applications. Wisla, pp. 14/09/2014. (Poland): Institute of Physics at the University of Silesia,
- 28 Title of the work:** Nanostructured Ferroelectric Polymers. Implications on ferroelectricity and relaxation  
**Type of event:** Conference  
**Authors (by signature order):** D. E. Martínez-Tong; M. Soccio; M. C. García-Gutiérrez; D Rueda; A. Sanz; A. Nogales; T. A. Ezquerra  
**Legal deposit:** Poland  
**End date:** 19/09/2014,  
Katowice. En: 8th International Conference on Broadband Dielectric Spectroscopy and its Applications. Wisla, pp. 14/09/2014. (Poland): Institute of Physics at the University of Silesia,
- 29 Title of the work:** Nanoscale structure-property relationships in all-polymer heterojunctions.  
**Authors (by signature order):** Mari-Cruz García-Gutiérrez; Álvaro Rodríguez-Rodríguez; Michela Soccio; Daniel Martínez-Tong; Tiberio Ezquerra; Benjamin Watts  
**End date:** 13/06/2014,  
En: 10th International Conference on Organic Electronics. Modena, pp. 11/06/2014. (Italy):
- 30 Title of the work:** Aluminum metal versus aluminum oxide fabricated by nanosecond pulsed laser deposition  
**Authors (by signature order):** Esther Rebollar; Mikel Sanz; Daniel E. Martínez-Tong; Mohamed Ouja; José F. Marco; Tiberio A. Ezquerra; Marta Castillejo  
**End date:** 30/05/2014,  
En: European Materials Research Society 2014 Spring Meeting. Lille, pp. 26/05/2014. (France): European Materials Research Society, Public Research Body.
- 31 Title of the work:** Chain configurations, glass transition and polymer dynamics in polymer nanoparticles under 3D-confinement  
**Authors (by signature order):** Aurora Nogales; Daniel E. Martínez-Tong; Michelina Soccio; Alejandro Sanz; Tiberio A. Ezquerra  
**End date:** 07/03/2014,  
En: APS March Meeting 2014. Denver, pp. 03/03/2014. (United States of America): American Physical Society, Public Research Body.
- 32 Title of the work:** Assessment of Replica Quality in Polymer Gratings Fabricated by Nanoimprint Lithography by means of Grazing Incidence Small Angle X-ray Scattering  
**Aut. region/ region organizing entity:** Catalonia



**Authors (by signature order):** Michelina Soccio; Ignacio Martin-Fabiani; Daniel R Rueda; Daniel E Martinez-Tong; Mari Cruz Garcia-Gutierrez; Aurora Nogales; Tiberio A Ezquerra; Nerea Alayo; Francesc Perez-Murano; Esther Rebollar

**Legal deposit:** Spain

**End date:** 23/10/2013,

Barcelona. En: Twelfth International Conference on Nanoimprint and Nanoprint Technology. Barcelona, pp. 21/10/2013. Catalonia (Spain): Catalan Institute of Nanotechnology, Technological Centre.

- 33 Title of the work:** Improving Control on Information Storage in Ferroelectric Polymer Films by using Nanoimprint Lithography

**Aut. region/ region organizing entity:** Catalonia

**Authors (by signature order):** Daniel E Martinez-Tong; Michelina Soccio; Mari Cruz Garcia-Gutierrez; Aurora Nogales; Daniel R Rueda; Tiberio A Ezquerra; Nerea Alayo; Francesc Perez-Murano

**Legal deposit:** Spain

**End date:** 23/10/2013,

Barcelona. En: Twelfth International Conference on Nanoimprint and Nanoprint Technology. Barcelona, pp. 21/10/2013. Catalonia (Spain): Catalan Institute of Nanotechnology, Technological Centre.

- 34 Title of the work:** Chain arrangement and glass transition temperature variations in polymer nanoparticles under 3D-confinement

**Aut. region/ region organizing entity:** Catalonia

**Authors (by signature order):** Daniel Martinez-Tong; Michelina Soccio; Alejandro Sanz; Carolina Garcia; Tiberio Ezquerra; Aurora Nogales; Simone Napolitano; Aurora Nogales

**Legal deposit:** Spain

**End date:** 26/07/2013,

Barcelona. En: 7th. International Discussion Meeting on Relaxation in Complex Systems. Barcelona, pp. 21/07/2013. Catalonia (Spain): Universitat Politècnica de Catalunya, University.

- 35 Title of the work:** Crystallization of PLLA confined in ultrathin films, competition of finite size effects and irreversible chain adsorption

**Aut. region/ region organizing entity:** Catalonia

**Authors (by signature order):** Daniel Martinez-Tong; Bram Vanroy; Basab Chattopadhyay; Yves Geerts; Michael Wübbenhorst; Aurora Nogales; Simone Napolitano

**Legal deposit:** Spain

**End date:** 26/07/2013,

Barcelona. En: 7th. International Discussion Meeting on Relaxation in Complex Systems. Barcelona, pp. 21/07/2013. Catalonia (Spain): Universitat Politècnica de Catalunya, University.

- 36 Title of the work:** Chain arrangement and glass transition temperature variations in polymer nanoparticles under 3D-confinement

**Authors (by signature order):** Daniel E Martinez-Tong; Michelina Soccio; Alejandro Sanz; Carolina Garcia; Tiberio A Ezquerra; Aurora Nogales

**End date:** 21/06/2013,

En: European Polymer Congress. Pisa, pp. 16/06/2013. (Italy): European Polymer Federation, Foundation.

- 37 Title of the work:** Towards homogeneous dynamics in incompatible blends by selective transfer

**Authors (by signature order):** Daniel E Martinez-Tong; Michelina Soccio; Alejandro Sanz; Tiberio A Ezquerra; Nadia Lotti; Andrea Munari; Aurora Nogales

**Legal deposit:** Germany

**End date:** 07/09/2012,

Leipzig. En: 7th Conference of the International Dielectric Society & 13th Conference on Dielectric & Related Phenomena. Leipzig, pp. 03/09/2012. (Germany): University of Leipzig, University.



- 38** **Title of the work:** Estudio de Potenciales para Dinámica Molecular de Nanoestructuras de Carbono: Nueva Propuesta para la Combinación de Potenciales  
**Authors (by signature order):** Carlo Guerrero; Daniel Martinez-Tong  
**Legal deposit:** Venezuela  
**End date:** 11/12/2009,  
Caracas. En: VII Congreso de la Sociedad Venezolana de Física. Caracas, pp. 07/12/2009. (Venezuela): Sociedad Venezolana de Física, Foundation.
- 39** **Title of the work:** Fabricación de Nanodiodos Basados en una Estructura Metal-Semiconductor con Contactos Metálicos Obtenidos Mediante Litografía por Haz de Electrones  
**Authors (by signature order):** Carlo Guerrero; Ramon Bueno; Daniel Martinez-Tong; Arnaldo Donoso; Elvis Hernandez  
**Legal deposit:** Venezuela  
**End date:** 11/12/2009,  
Caracas. En: VII Congreso de la Sociedad Venezolana de Física. Caracas, pp. 07/12/2009. (Venezuela): Sociedad Venezolana de Física, Foundation.

### Other dissemination activities

- 1** **Title of the work:** Semana de la Ciencia  
**Name of the event:** Semana de la Ciencia  
**Type of event:** Fairs and exhibitions  
**City of event:** San Sebastián, Spain  
**Date of event:** 07/11/2019  
**Organising entity:** Universidad del País Vasco **Type of entity:** University
- 2** **Title of the work:** Intolerancia a la Viscoelasticidad  
**Name of the event:** Semana de la Ciencia  
**Type of event:** Conferences given  
**Corresponding author:** Yes  
**City of event:** San Sebastián, Spain  
**Date of event:** 07/11/2018  
**Organising entity:** Universidad del País Vasco **Type of entity:** University  
Daniel E. Martínez-Tong.
- 3** **Title of the work:** Semana de la Ciencia  
**Name of the event:** Semana de la Ciencia  
**Type of event:** Fairs and exhibitions  
**City of event:** San Sebastián, Spain  
**Date of event:** 06/11/2018  
**Organising entity:** Universidad del País Vasco **Type of entity:** University
- 4** **Title of the work:** Semana de la Ciencia  
**Name of the event:** Semana de la Ciencia  
**Type of event:** Fairs and exhibitions  
**City of event:** San Sebastián, Spain  
**Date of event:** 02/11/2016  
**Organising entity:** Universidad del País Vasco **Type of entity:** University

## R&D management and participation in scientific committees

### Organization of R&D activities

- 1** **Title of the activity:** The 11th Conference on Broadband Dielectric Spectroscopy and its Applications  
**Type of activity:** Conferencia **End date:** 11/09/2020  
**Convening entity:** Donostia International Physics Center **Type of entity:** Otros  
**City convening entity:** San Sebastián, Spain  
**Type of participation:** Organiser  
**Start-End date:** 06/09/2020 - 11/09/2020 **Duration:** 6 days
- 2** **Title of the activity:** 6th International Conference on Synchrotron Radiation in Polymer Science (SRPS6)  
**Type of activity:** Conference (Local Organiser Committee) **End date:** 10/09/2015  
**City of event:** Madrid, Community of Madrid, Spain  
**Convening entity:** Instituto de Estructura de la Materia **Type of entity:** State agency  
**Type of participation:** Organiser  
**Start-End date:** 07/09/2015 - 10/09/2015

## Other achievements

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

- 1** **Entity:** Università di Bologna **Type of entity:** University  
**Faculty, institute or centre:** DICAM  
**City of entity:** Bologna, Italy  
**Goals of the stay:** Colaboración  
**Start-End date:** 12/12/2019 - 13/12/2019 **Duration:** 2 days
- 2** **Entity:** Instituto de Química Física Rocasolano **Type of entity:** State agency  
**City of entity:** Madrid, Spain  
**Goals of the stay:** Colaboración  
**Start-End date:** 25/11/2019 - 27/11/2019 **Duration:** 3 days
- 3** **Entity:** Universität Bayreuth  
**City of entity:** Bayreuth, Oberfranken, Germany  
**Goals of the stay:** Colaboración  
**Start-End date:** 26/08/2019 - 13/09/2019 **Duration:** 15 days
- 4** **Entity:** Instituto de Química Física Rocasolano **Type of entity:** State agency  
**City of entity:** Madrid, Community of Madrid, Spain  
**Goals of the stay:** Colaboración  
**Start-End date:** 08/04/2019 - 12/04/2019 **Duration:** 5 days



- 5** **Entity:** Instituto de Química Física Rocasolano **Type of entity:** State agency  
**City of entity:** Madrid, Community of Madrid, Spain  
**Goals of the stay:** Colaboración  
**Start-End date:** 25/04/2018 - 27/04/2018 **Duration:** 3 days
- 6** **Entity:** Instituto de Química Física Rocasolano **Type of entity:** State agency  
**City of entity:** Madrid, Community of Madrid, Spain  
**Goals of the stay:** Short-stay  
**Start-End date:** 17/07/2017 - 21/07/2017 **Duration:** 5 days  
**Provable tasks:** Laser nanostructuring of PET surfaces and Lateral Force Microscopy measurements
- 7** **Entity:** Université libre de Bruxelles **Type of entity:** University  
**City of entity:** Brussels, Belgium  
**Goals of the stay:** Short-stay  
**Start-End date:** 11/07/2016 - 15/07/2016 **Duration:** 5 days  
**Provable tasks:** Broadband Dielectric Spectroscopy on PEO thin films
- 8** **Entity:** La Universidad del Zulia **Type of entity:** University  
**Faculty, institute or centre:** Centro de Modelado Científico - Facultad Experimental de Ciencias  
**City of entity:** Maracaibo, Venezuela  
**Goals of the stay:** Student  
**Start-End date:** 01/07/2007 - 31/07/2009 **Duration:** 2 years  
**Provable tasks:** Computational modeling of carbon nanostructure
- 9** **Entity:** Universidad Autónoma de Madrid **Type of entity:** University  
**City of entity:** Madrid, Community of Madrid, Spain  
**Goals of the stay:** Internship  
**Start-End date:** 15/09/2008 - 14/10/2008 **Duration:** 1 month  
**Provable tasks:** Molecular Dynamics Simulations
- 10** **Entity:** Université libre de Bruxelles **Type of entity:** University  
**City of entity:** Brussels, Belgium  
**Goals of the stay:** Short stay during PhD studies  
**Start date:** 08/10/2012 **Duration:** 67 days  
**Provable tasks:** Broadband Dielectric Spectroscopy on thin films

## Obtained grants and scholarships

- 1** **Name of the grant:** Juan de la Cierva - Incorporación  
**Aims:** Post-doctoral  
**Awarding entity:** Ministerio de Ciencia e Innovación. **Type of entity:** Ministerio Universidades  
**Conferral date:** 18/12/2018 **Duration:** 2 years  
**End date:** 18/12/2020  
**Entity where activity was carried out:** Universidad del País Vasco  
**Faculty, institute or centre:** Facultad de Ciencias Químicas



**2 Name of the grant:** JAE-Pre

**Aims:** Pre-doctoral

**Awarding entity:** Consejo Superior de Investigaciones Científicas

**Type of entity:** State agency

**Conferral date:** 01/12/2010

**Duration:** 3 years - 11 months

**End date:** 24/10/2014

**Entity where activity was carried out:** Instituto de Estructura de la Materia