



**L. Miguel Arellano
Castellanos**

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Summary of CV

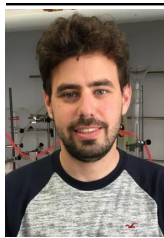
This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

L. Miguel Arellano holds a **Ph.D in Nanoscience and Nanotechnology** (2019) from the University of Castilla-La Mancha (UCLM, Spain) with “cum laude” and international mention since he spent four months as visiting researcher at the University of North Texas (UNT) at Texas (USA) under the supervision of Prof. D'Souza. His thesis has been awarded as **Best Ph. D. by the UCLM, RSEQ-UCLM and RSEQ-GENAM**. In addition, he holds a **Master's degree** in the same area (2015) and a **Bachelor degree in Organic Chemistry** (2013).

Currently, he is **Postdoctoral Researcher** (Margarita Fellow) at Universidad Complutense de Madrid (Spain) under the supervision of Prof. Nazario Martin working in the development and synthesis of new nanomaterials for biomedical applications. He was working as **Postdoctoral Researcher** in NanomedicineLAB at the ICN2 under the supervision of Prof. Kostas Kostarelos inside the Graphene Flagship program. His work involved the design and characterization of nanomaterials as vector systems for therapeutic applications. He has demonstrable solid experience in organic synthesis and in the field of material science, scientific software, and research tools. In addition, during his postdoc experience he learned team, order and laboratory management with ability to plan, organize and manage multiple priorities.

In general, his research covers mainly the functionalization and characterization of synthetic carbon allotropes (SCAs) and multi-step synthesis of macrocyclic compounds by means of covalent and non-covalent functionalization in order to extend the SCAs' functionalization knowledge and to obtain new architectures for applications in solar energy harvesting applications, molecular electronics, biosensors or nanomedicine.

Finally, he has attended as speaker to numerous national and international conferences. Additionally, he was awarded with some best poster awards in different symposiums and as recognized Ph. D. student from University of Castilla-La Mancha. He was reviewer of New Journal of Chemistry several times and served on the organizing committee of "XV Simposio de Jóvenes Investigadores Químicos" and "Semana de la Ciencia-UCLM". Finally, he has taught in the organic chemistry department and in several subjects, and he has co-directed several bachelor's degree Final Project and MS Thesis at the Faculty of Environmental Sciences and Biochemistry of the University of Castilla-La Mancha.



L. Miguel Arellano Castellanos

Surname(s): **Arellano Castellanos**
Name: **L. Miguel**
ORCID: **0000-0001-5701-3265**
ScopusID: **8684277900**
ResearcherID: **H-6930-2017**

Current professional situation

Employing entity: Universidad Complutense de Madrid **Type of entity:** University

Department: Organic Chemistry, Facultad de Química

Professional category: Postdoctoral Researcher (MS-fellow)

City employing entity: Barcelona, Spain

Start date: 01/01/2022

Dedication regime: Full time

Performed tasks: Synthesis and full characterization of 2D-materials for biomedical applications.

Previous positions and activities

	Employing entity	Professional category	Start date
1	ICN2 - Catalan Institute of Nanoscience and Nanotechnology	Postdoctoral Researcher	24/08/2020
2	Universidad de Castilla-La Mancha	PhD Student / Researcher	15/04/2019
3	Universidad de Castilla-La Mancha	PhD Student / Researcher	14/04/2015
4	University of North Texas	Invited Ph.D Researcher	21/08/2017
5	Universidad de Castilla-La Mancha	Organic Chemistry / Internship	01/10/2012
6	Universidad de Castilla-La Mancha	Organic Chemistry / Internship	15/01/2012
7	Universidad de Castilla-La Mancha	Organic Chemistry / Apprenticeship	01/06/2011
8	Universidad de Castilla-La Mancha	Organic Chemistry / Apprenticeship	01/06/2010

1 **Employing entity:** ICN2 - Catalan Institute of Nanoscience and Nanotechnology **Type of entity:** R&D Centre
Department: NanomedicineLab
Professional category: Postdoctoral Researcher
Start-End date: 24/08/2020 - 31/12/2021
Performed tasks: Synthesis and full characterization of graphene oxide materials for nanomedicine applications.

2 **Employing entity:** Universidad de Castilla-La Mancha **Type of entity:** University
Professional category: PhD Student / Researcher
Start-End date: 15/04/2019 - 30/10/2019 **Duration:** 6 months

Performed tasks: Functionalization of carbon nanotubes and graphene towards Donor-Acceptor hybrid materials and composites for light harvesting and photovoltaic applications.

3 **Employing entity:** Universidad de Castilla-La Mancha **Type of entity:** University

Professional category: PhD Student / Researcher

Start-End date: 14/04/2015 - 14/04/2019

Duration: 4 years

Performed tasks: The main research covers the functionalization and characterization of synthetic carbon allotropes such as fullerenes, nanotubes, graphene and well as doped graphene materials for optoelectronic applications and light harvesting devices, and for the design of new biosensors.

4 **Employing entity:** University of North Texas **Type of entity:** University

Professional category: Invited Ph.D Researcher

Start-End date: 21/08/2017 - 19/12/2017

Duration: 4 months

Performed tasks: Supramolecular functionalization of carbon nanostructures with different photosensitizers for light energy harvesting and photovoltaic. Characterization of the molecular materials synthesized by the use of steady-state and time resolve techniques.

5 **Employing entity:** Universidad de Castilla-La Mancha **Type of entity:** University

Professional category: Organic Chemistry / Internship

Start-End date: 01/10/2012 - 20/07/2013

Duration: 7 months

Performed tasks: Synthesis of 1,3,5-triazines derivatives for highly sensitive ratiometric fluorescent detection of Hg²⁺ and Zn²⁺ in aqueous solution.

6 **Employing entity:** Universidad de Castilla-La Mancha **Type of entity:** University

Professional category: Organic Chemistry / Internship

Start-End date: 15/01/2012 - 15/07/2012

Duration: 7 months

Performed tasks: Synthesis of 1,3,5-triazines derivatives using microwave irradiation at the Microwaves and suitable chemistry laboratory.

7 **Employing entity:** Universidad de Castilla-La Mancha **Type of entity:** University

Professional category: Organic Chemistry / Apprenticeship

Start-End date: 01/06/2011 - 30/07/2011

Duration: 2 months

8 **Employing entity:** Universidad de Castilla-La Mancha **Type of entity:** University

Professional category: Organic Chemistry / Apprenticeship

Start-End date: 01/06/2010 - 30/07/2010

Duration: 2 months



Education

University education

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

- 1 University degree:** Higher degree
Name of qualification: Master's Degree in Molecular Nanoscience and Nanotechnology
Degree awarding entity: Universidad de Castilla-La Mancha **Type of entity:** University
Date of qualification: 22/06/2015
- 2 University degree:** Higher degree
Name of qualification: B.S. Degree, Chemistry
Degree awarding entity: Universidad de Castilla-La Mancha **Type of entity:** University
Date of qualification: 07/11/2013

Doctorates

Doctorate programme: Ph.D. in Molecular Nanoscience and Nanotechnology (cum laude)
Degree awarding entity: Universidad de Castilla-La Mancha **Type of entity:** University
Date of degree: 16/12/2019
European doctorate: Yes **Date of certificate:** 16/12/2019
Thesis director: Fernando Langa
Recognition of quality: Yes
Special doctorate award: Yes

Teaching experience

Experience supervising doctoral thesis and/or final year projects

- 1 Project title:** Functionalization of N-Doped graphene with electroactive units. Synthesis and Characterization
Type of project: End of course project
Entity: Universidad de Castilla-La Mancha **Type of entity:** University
Student: Alba María Peco Rodrigo
Obtained qualification: 8.8
Date of reading: 25/06/2018
- 2 Project title:** Carbon Nanostructures: Functionalization of Graphene. Photoinduced electron transfer. Application in organic photovoltaic cells.
Type of project: Master's thesis
Entity: Universidad de Castilla-La Mancha **Type of entity:** University

**Student:** Pablo Andrés Aldana Véliz**Obtained qualification:** 9.0**Date of reading:** 22/07/2016

Scientific and technological experience

Scientific or technological activities

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

- 1** **Name of the project:** Desing and synthesis of new electroactive molecules based on perovskites for solar cells (SBPLY/17/180501/000254)

Entity where project took place: Universidad de Castilla-La Mancha **Type of entity:** University

City of entity: Toledo, Spain

Name principal investigator (PI, Co-PI....): Fernando Langa de la Puente

Funding entity or bodies: Junta de Comunidades de Castilla - La Mancha **Type of entity:** Regional

Start-End date: 01/09/2018 - 18/11/2021

Total amount: 153.996 €
- 2** **Name of the project:** Consolidado-Grupos I+D (2019-GRIN-26968)

Entity where project took place: Universidad de Castilla-La Mancha **Type of entity:** University

City of entity: Toledo, Spain

Name principal investigator (PI, Co-PI....): Fernando Langa de la Puente

Funding entity or bodies: Universidad de Castilla-La Mancha **Type of entity:** University

Start-End date: 25/01/2019 - 31/05/2020

Total amount: 15.777,6 €
- 3** **Name of the project:** Adquisition of a new mass spectrum MALDI-TOF/TOF

Entity where project took place: Universidad de Castilla-La Mancha **Type of entity:** University

City of entity: Toledo, Spain

Name principal investigator (PI, Co-PI....): Fernando Langa

Funding entity or bodies: Agencia estatal de Investigación **Type of entity:** State agency

Start-End date: 01/01/2018 - 31/12/2019

Total amount: 506.600 €
- 4** **Name of the project:** Carbon nanostructures and pi-conjugated systems for molecular electronic and photovoltaics applications (BES-2014-068934)

Entity where project took place: Universidad de Castilla-La Mancha **Type of entity:** University

City of entity: Toledo, Castile-La Mancha, Spain

Name principal investigator (PI, Co-PI....): Fernando Langa de la Puente

**Funding entity or bodies:**

Ministerio de Economía y Competitividad:
PROYECTOS DE I+D

Type of entity: State agency

Start-End date: 15/04/2015 - 14/04/2019

Total amount: 82.400 €

5 Name of the project: European Graphene Flagship (WP: Biomedical Technologies)

Entity where project took place: FUNDACION PRIVADA INSTITUT CATALA DE NANOTECNOLOGIA

Name principal investigator (PI, Co-PI....): Kostas Kostarelos

Funding entity or bodies:

European Graphene Flagship

Start date: 24/08/2020

Scientific and technological activities

Scientific production

Publications, scientific and technical documents

1 Altay Unal 1; Bayrakdar; Nazir; Besbinar; Gurcan; Lozano; Arellano; Yalcin; Panatli; Celik; Alkaya; Agan; Fusco; Suzuk Yildiz; Gemma Delogu; Can Akcali; Kostarelos; Yilmazer. Graphene Oxide Nanosheets Interact and Interfere with SARS-CoV-2 Surface Proteins and Cell Receptors to Inhibit Infectivity. Small. 17, pp. 2101483 - 2101496. 2021.

Type of production: Scientific paper

Format: Journal

2 Luis M. Arellano; Habtom B. Gobeze; María J. Gómez-Escalonilla; José Luis G. Fierro; Francis D'Souza; Fernando Langa. Triplet photosensitizer-nanotube conjugates: synthesis, characterization and photochemistry of charge stabilizing, palladium porphyrin/carbon nanotube conjugates. Nanoscale. 12, pp. 9890 - 9898. 2020.

Type of production: Scientific paper

Format: Journal

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

Impact source: ISI

Category: Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY

Impact index in year of publication: 6.895

Journal in the top 25%: Yes

Position of publication: 50

No. of journals in the cat.: 314

3 Myriam Barrejón; Luis M. Arellano; Francis D'Souza; Fernando Langa. Bidirectional charge-transfer behavior in carbon-based hybrid nanomaterials. Nanoscale. 11, pp. 14978 - 14992. 2019.

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Category: Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY

Impact index in year of publication: 6,895

Journal in the top 25%: Yes

Position of publication: 50

No. of journals in the cat.: 314

4 Luis M. Arellano; Sue Yue; Pedro Atienzar; María J. Gómez-Escalonilla; Francisco J. Ortega-Higueruelo; José Luis G. Fierro; Hermenegildo García; Fernando Langa. Modulating Charge Carrier Density and Mobility in Doped Graphene by Covalent Functionalization. ChemComm. 55, pp. 9999 - 10002. 2019.

Type of production: Scientific paper

Format: Journal



Impact source: ISI

Impact index in year of publication: 5,996

Position of publication: 34

Category: Science Edition - CHEMISTRY, MULTIDISCIPLINARY

Journal in the top 25%: Yes

No. of journals in the cat.: 177

- 5** Habtom B. Gobeze; Luis M. Arellano; Ana María Gutiérrez-Vílchez; María J. Gómez-Escalonilla; Ángela Sastre-Santos; Fernando Fernández-Lázaro; Fernando Langa; Francis D'Souza. Occurrence of excited state charge separation in a N-doped graphene–perylene diimide hybrid formed via ‘click’ chemistry. *Nanoscale Adv.* 1, pp. 4009 - 4015. 2019.

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: Pending

- 6** Luis M. Arellano; Luis Martín-Gomis; Habtom B. Gobeze; Desiré Molina; Cristina Hermosa; María J. Gómez-Escalonilla; José Luis G. Fierro; Ángela Sastre-Santos; Fernando Langa; Francis D'Souza. Edge-on and face-on functionalized Pc on enriched semiconducting SWCNT hybrids. *Nanoscale*. 10, pp. 5205 - 5213. 2018.

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 6,970

Position of publication: 41

Category: Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY

Journal in the top 25%: Yes

No. of journals in the cat.: 293

- 7** Luis M. Arellano; Myriam Barrejón; Habtom B. Gobeze; María J. Gómez-Escalonilla; Jose Luis G. Fierro; Francis D'Souza; Fernando Langa. N-Doped graphene/C60 covalent hybrid as a new material for energy harvesting applications. *Chem. Sci.* 9, pp. 8221 - 8227. 2018.

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 9,556

Position of publication: 19

Category: Science Edition - CHEMISTRY, MULTIDISCIPLINARY

Journal in the top 25%: Yes

No. of journals in the cat.: 172

- 8** Juan Pablo Martínez; María Vizuite; Luis M. Arellano; Albert Poater; F. Matthias Bickelhaupt; Fernando Langa; Miquel Solà. Regioselectivity of the Pauson–Khand reaction in single-walled carbon nanotubes. *Nanoscale*. 10, pp. 15078 - 15089. 2018.

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 6,97

Position of publication: 41

Category: Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY

Journal in the top 25%: Yes

No. of journals in the cat.: 293

- 9** Luis M. Arellano; Myriam Barrejón; Habtom B. Gobeze; María J. Gómez-Escalonilla; José Luis G. Fierro; Francis D'Souza; Fernando Langa. Charge stabilizing tris(triphenylamine)-zinc porphyrin-carbon nanotube hybrids: synthesis, characterization and excited state charge transfer studies. *Nanoscale*. 9, pp. 7551 - 7558. 2017.

Type of production: Scientific paper

Format: Journal

Impact source: ISI

Impact index in year of publication: 7,233

Position of publication: 30

Category: Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY

Journal in the top 25%: Yes

No. of journals in the cat.: 285



- 10** Esther Sánchez-Tirado; Luis M. Arellano; Araceli González-Cortés; Paloma Yáñez-Sedeño; Fernando Langa; José M. Pingarrón. Viologen-functionalized single-walled carbon nanotubes as carrier nanotags for electrochemical immunosensing. Application to TGF-beta 1 cytokine. *Biosens. Bioelectron.* 98, pp. 240 - 247. 2017.
Type of production: Scientific paper **Format:** Book
Impact source: ISI **Category:** Science Edition - CHEMISTRY, ANALYTICAL
Impact index in year of publication: 8,173 **Journal in the top 25%:** Yes
Position of publication: 2 **No. of journals in the cat.:** 81
- 11** Irene Ojeda; Myriam Barrejón; Luis M. Arellano; Araceli González-Cortés; Paloma Yáñez-Sedeño; Fernando Langa; José M. Pingarrón. Grafted-double walled carbon nanotubes as electrochemical platforms for immobilization of antibodies using a metallic-complex chelating polymer: Application to the determination of adiponectin cytokine in serum. *Biosens. Bioelectron.* 74, pp. 24 - 29. 2015.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - CHEMISTRY, ANALYTICAL
Impact index in year of publication: 7,476 **Journal in the top 25%:** Yes
Position of publication: 3 **No. of journals in the cat.:** 75
- 12** Luis M. Arellano; Luis Martín-Gomis; Habtom B. Gobeze; Myriam Barrejón; Desiré Molina; María J. Gómez-Escalonilla; José Luis G. Fierro; Minfang Zhang; Masako Yudasaka; Sumio Iijima; Francis D'Souza; Fernando Langa; Ángela Sastre-Santos. Peripheral versus axial substituted phthalocyanine-double-walled carbon nanotube hybrids as light harvesting systems. *J. Mater. Chem. C.* 3, pp. 10215 - 10224. 2015.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - MATERIALS SCIENCE, MULTIDISCIPLINARY
Impact index in year of publication: 5,066 **Journal in the top 25%:** Yes
Position of publication: 37 **No. of journals in the cat.:** 271
- 13** Sandra Gómez Esteban; Pilar de la Cruz; Ana Aljarilla; Luis M. Arellano; Fernando Langa. Panchromatic Push-Pull Chromophores based on Triphenylamine as Donors for Molecular Solar Cells. *Org. Lett.* 13, pp. 5362. 2011.
Type of production: Scientific paper **Format:** Journal
Impact source: ISI **Category:** Science Edition - CHEMISTRY, ORGANIC
Impact index in year of publication: 5,862 **Journal in the top 25%:** Yes
Position of publication: 6 **No. of journals in the cat.:** 56

Works submitted to national or international conferences

- 1** **Title of the work:** Heteroatom Functionalization of N- and B-Doped Graphene
Name of the conference: Electrochemical Society Meeting (239th ECS)
Type of participation: Participatory - invited/keynote talk
City of event: Digital Meeting,
Date of event: 30/05/2021
End date: 03/06/2021
 Luis M. Arellano; Myriam Barrejón; María J. Gómez-Escalonilla; Fernando Langa.
- 2** **Title of the work:** Heteroatom Functionalization of N- and B-Doped Graphene
Name of the conference: Electrochemical Society Meeting (237th ECS)
Type of participation: Participatory - invited/keynote talk
City of event: Montreal, Canada
Date of event: 10/05/2020



End date: 14/05/2020

Fernando Langa; Luis M. Arellano; Myriam Barrejón; María J. Gómez-Escalonilla.

- 3** **Title of the work:** Observation of Hall effect in Doped Graphene
Name of the conference: XXXVII Reunión Bienal de la Real Sociedad Española de Química
Type of participation: 'Participatory - poster
City of event: San Sebastián, Spain
Date of event: 26/05/2019
End date: 30/05/2019
Luis M. Arellano; María J. Gómez-Escalonilla; Hermenegildo García; Fernando Langa.

- 4** **Title of the work:** N-Doped Graphene/C60 covalent hybrid as a new material for energy harvesting applications
Name of the conference: XV Simposio de Jóvenes Investigadores Químicos
Type of participation: Participatory - oral communication
City of event: Toledo, Spain
Date of event: 05/11/2018
End date: 08/11/2018
Luis M. Arellano; Myriam Barrejón; María J. Gómez-Escalonilla; Fernando Langa.

- 5** **Title of the work:** N-Doped Graphene/C60 covalent hybrid as a new material for energy harvesting applications
Name of the conference: VIII Jornadas Doctorales de la UCLM
Type of participation: 'Participatory - poster
City of event: Cuenca, Spain
Date of event: 16/10/2018
Luis M. Arellano; Myriam Barrejón; María J. Gómez-Escalonilla; Fernando Langa.

- 6** **Title of the work:** Linking Fullerene C60 on N-doped Graphene surface. Synthesis and Characterization
Name of the conference: XII Young Science Symposium
Type of participation: Participatory - oral communication
City of event: Ciudad Real, Spain
Date of event: 13/06/2018
End date: 15/06/2018
Luis M. Arellano; Myriam Barrejón; María J. Gómez-Escalonilla; Fernando Langa.

- 7** **Title of the work:** Linking Fullerene C60 on N-doped Graphene surface. Synthesis and Characterization
Name of the conference: XVII Escuela Nacional de Materiales Moleculares
Type of participation: 'Participatory - poster
City of event: Torremolinos, Spain
Date of event: 11/02/2018
End date: 15/02/2018
Luis M. Arellano; Myriam Barrejón; María J. Gómez-Escalonilla; Fernando Langa.

- 8** **Title of the work:** New nanoarchitectures based on Graphene
Name of the conference: XXXVI Reunión Bienal de la Real Sociedad Española de Química
Type of participation: Participatory - oral communication
City of event: Sitges, Spain
Date of event: 25/07/2017
End date: 29/07/2017
L. Miguel Arellano; Fernando Langa.



- 9** **Title of the work:** Joining together Graphene and fullerene
Name of the conference: XII Young Science Symposium
Type of participation: Participatory - oral communication
City of event: Ciudad Real, Spain
Date of event: 07/07/2017
End date: 09/07/2017
L. Miguel Arellano; Fernando Langa.
- 10** **Title of the work:** Electron-Donor Behavior of Carbon Nanotubes and Graphene
Name of the conference: Electrochemical Society Meeting (231st ECS)
Type of participation: Participatory - invited/keynote talk
City of event: New Orleans, United States of America
Date of event: 28/05/2017
End date: 01/06/2017
Luis M. Arellano; Myriam Barrejón; María J. Gómez-Escalonilla; Fernando Langa.
- 11** **Title of the work:** Modifying the properties of graphene & carbon nanotubes through chemical modification
Name of the conference: NanoPortugal 2017 (NanoPT 2017)
Type of participation: Participatory - oral communication
City of event: Oporto, Portugal
Date of event: 01/02/2017
End date: 03/02/2017
L. Miguel Arellano; Myriam Barrejón; María J. Gómez-Escalonilla; Fernando Langa.
- 12** **Title of the work:** Funcionalización de nanotubos de pared doble con ftalocianinas
Name of the conference: XIII Simposio de Jóvenes Investigadores Químicos
Type of participation: Participatory - poster
City of event: Logroño, Spain
Date of event: 08/11/2016
End date: 11/11/2016
L. Miguel Arellano; Myriam Barrejón; María J. Gómez-Escalonilla; Fernando Langa.
- 13** **Title of the work:** New nanoarchitecture based on Graphene: synthesis and characterization
Name of the conference: VI Jornadas Doctorales de la UCLM
Type of participation: Participatory - poster
City of event: Toledo, Spain
Date of event: 18/10/2016
L. Miguel Arellano; Fernando Langa.
- 14** **Title of the work:** Linking electroactive units to carbon nanostructures
Name of the conference: A Journey through Carbon Nanostructures: From Fullerenes to Graphene
Type of participation: Participatory - poster
City of event: Toledo, Spain
Date of event: 27/07/2016
L. Miguel Arellano; Myriam Barrejón; María J. Gómez-Escalonilla; Fernando Langa.
- 15** **Title of the work:** New nanoarchitecture based on Graphene: synthesis and characterization
Name of the conference: EsMolNa (European School on Molecular Nanoscience).
Type of participation: Participatory - oral communication
City of event: Tordesillas, Spain



Date of event: 29/06/2016

End date: 02/07/2016

L. Miguel Arellano; María J. Gómez-Escalonilla; Fernando Langa.

16 Title of the work: Funcionalización de nanotubos de carbono y grafeno. Propiedades y aplicaciones

Name of the conference: V Jornadas Doctorales de la UCLM

Type of participation: 'Participatory - poster

City of event: Ciudad Real, Spain

Date of event: 06/10/2015

L. Miguel Arellano; María J. Gómez-Escalonilla; Fernando Langa.

17 Title of the work: Grafted-double walled carbon nanotubes as electrochemical platforms for immobilization of antibodies using a metallic-complex chelating polymer

Name of the conference: XXXVI Reunión del Grupo de Electroquímica, XVII

Type of participation: Participatory - oral communication

City of event: Vigo, Spain

Date of event: 13/07/2015

End date: 15/07/2015

Irene Ojeda; Myriam Barrejón; L. Miguel Arellano; Araceli González-Cortés; Paloma Yáñez-Sedeño; Fernando Langa.

18 Title of the work: Ambipolar behaviour of Double-Walled Carbon Nanotubes in donor-acceptor nanohybrids

Name of the conference: ISNA16

Type of participation: Participatory - invited/keynote talk

City of event: Madrid, Spain

Date of event: 05/07/2015

End date: 10/07/2015

Myriam Barrejón; L. Miguel Arellano; María J. Gómez-Escalonilla; Angela Sastre; Francis D'Souza; Fernando Langa.

19 Title of the work: Linking electroactive units to carbon nanostructures: DWCNT-Pc hybrids

Name of the conference: IX Simposio Ciencia Joven

Type of participation: Participatory - oral communication

City of event: Ciudad Real, Spain

Date of event: 21/05/2015

End date: 22/05/2015

L. Miguel Arellano; Myriam Barrejón; María J. Gómez-Escalonilla; Fernando Langa.

20 Title of the work: Functionalizing Carbon Nanostructures

Name of the conference: 6th International Symposium: "Technologies for Polymer Electronics" TPE 1

Type of participation: Participatory - invited/keynote talk

City of event: Ilmenau, Germany

Date of event: 20/05/2014

End date: 22/05/2014

Fernando Langa; María J. Gómez-Escalonilla; María Vizuete; Myriam Barrejón; L. Miguel Arellano.

21 Title of the work: Green synthesis of 1,3,5-triazinylglycine derivatives. New chemosensors for mercury and zinc cations

Name of the conference: E2KW-2013

Type of participation: Participatory - oral communication

City of event: Toledo, Spain



Date of event: 20/11/2013

End date: 22/11/2013

Ana Sánchez-Migalló; José Ramón Ramírez; Aurelia Alañón; Antonio de la Hoz; L. Miguel Arellano; Amparo Ruíz-Carretero.

22 Title of the work: Derivados de Glicino 1,3,5-triazina como quimiosensores fluorescentes ratiométricos

Name of the conference: XXXIV Reunión Bienal de la Real Sociedad Española de Química

Type of participation: 'Participatory - poster

City of event: Santander, Spain

Date of event: 15/09/2013

End date: 18/09/2013

Ana Sánchez-Migalló; José Ramón Ramírez; Aurelia Alañón; Antonio de la Hoz; L. Miguel Arellano; Amparo Ruíz-Carretero.

R&D management and participation in scientific committees

Scientific, technical and/or assessment committees

- 1 Committee title:** Collaborator in "Semana de la Ciencia en la Facultad de Ciencias Ambientales y Bioquímica (UCLM) (Toledo, 2016)"
- 2 Committee title:** Collaborator in "Semana de la Ciencia en la Facultad de Ciencias Ambientales y Bioquímica (UCLM) (Toledo, 2018)"
- 3 Committee title:** Member of the Organizing Committee of the "XV Simposio de Jóvenes Investigadores Químicos" (Toledo, 2018)

Other achievements

Stays in public or private R&D centres

Entity: University of North Texas

Faculty, institute or centre: Faculty of Chemistry

City of entity: Texas, United States of America

Start-End date: 21/08/2017 - 19/12/2017

Duration: 4 months

Goals of the stay: Doctorate