

Parte A. Personal Information		Date CVA		October 2018
Name	JOSE CRISTOBAL LOPEZ PEREZ			
ID Number	XXXXXXX	Edad	62	
Researcher ID numbers	Researcher ID	K-2260-2014		
	Orcid Code	0000-0003-0370-4727		

A.1. Current Position

Institution	CONSEJO SUPERIOR INVESTIGACIONES CIENTIFICAS CSIC			
Center	INSTITUTO QUIMICA ORGANICA GENERAL IQOG			
Address	JUAN DE LA CIERVA 3, 28024 MADRID			
Phone number	912587616	e-Mail	jc.lopez@csic.es	
Current Position	Research Professor, CSIC		Initial date	APRIL 2010
	Associate Profesor, Univ. of Alcalá (UAH)			2015 to date
Espec. cód. UNESCO	2306			
Key words	Carbohydrates, Organic Synthesis, Glycosidation, Natural Products, BODIPY fluorophores			

A.2. Education

BS/PhD	University	Year
BS in Chemistry	COMPLUTENSE MADRID (UCM)	1980
PhD in Chemistry	UCM	1986

A.3. JCR articles, h Index, thesis supervised ...

J. C. Lopez has co-authored: 13 Book chapters; 128 publications (114 publications, 9 review articles) in peer-reviewed international journals. E.g. 3 x Journal American Chemical Society; 20 x Chemical Communications; 14 x Journal of Organic Chemistry; 6 x Organic Letters; 4 x Chemistry A European Journal; 1 x Chemical Reviews.

h Index = 29; 2911 Citations (Scopus Author ID: 35500953800)

Average citations per year (last five years) 115.

Six, "6-Year Research-Periods" with positive evaluation from the Ministerio de Educación y Ciencia: last year evaluated: 2018.

Supervised PhD Thesis 10, last 10 years 4.

Publications: 128, of which Q1 publications: 74.

Part B. CV SUMMARY (max. 3500 characters, including spaces)
Postdoctoral formation:

- *Institut Chimie des Substances Naturelles (ICSN-CNRS). Gif sur Yvette, France: October 1985-January 1988 (Dr. Gabor Lukacs).*
- *Chemistry Department, Duke University, EEUU, February 1988-December 1990 (Prof. Bert Fraser-Reid)*
- *Chemistry Department, Duke University, EEUU, January 1992-July 1994, Visiting Professor.*

Positions held:

- *Tenured Researcher (CSIC): March 1990*
- *Associate Professor, Organic Chemistry Dept, Faculty of Pharmacy, UAH, 1995-2012; 2016-2021.*
- *Research Scientist (CSIC): 2003*
- *Research Professor (CSIC): April 2010-to date.*

Parte C. Relevant Merits (referred to last five years)
C.1. Publications

1. C. Uriel, C. Permingeat, A. M. Gomez, E. García Martínez de la Hidalga, J. Bañuelos, I. García-Moreno, J. C. López, "Access to 2,6-dipropargylated BODIPYs as "clickable" congeners of pyrromethene-567 dye: photo-stability and synthetic versatility" *Organic Letters* **2021**, 23, 6801-6806. <https://doi.org/10.1021/acs.orglett.1c02380>

2. A. M. Gomez, C. Uriel, A. Oliden-Sánchez, J. Bañuelos, I. García-Moreno, J. C. López, "A Concise Route to Water-Soluble 2,6-Disubstituted BODIPY Carbohydrate Fluorophores by Direct Ferrier-Type

C-Glycosylation” *Journal of Organic Chemistry* **2021**, *86*, 9181-9188.
<https://doi.org/10.1021/acs.joc.1c00413>

3. C. Uriel, C. Permingeat, J. Ventura, E. Avellanal-Zaballa, J. Bañuelos, I. Garcia-Moreno, A. M. Gomez, J. C. López, “*BODIPYs as Chemically Stable Fluorescent Tags for Synthetic Glycosylation Strategies towards Fluorescently Labeled Saccharides*” *Chemistry a European Journal* **2020**, *26*, 5388-5399. <https://doi.org/10.1002/chem.201905780>.

Cover Feature: <https://doi.org/10.1002/chem.202000766>

4. E. Avellanal-Zaballa, J. Ventura, L. Gartzia-Rivero, J. Bañuelos,* I. García-Moreno, C. Uriel, A. M. Gómez,* J. C. López*, “*Towards Efficient and Photostable Red-Emitting Photonic Materials Based on Symmetric all-BODIPY-Triads, -Pentads, and -Hexads*” *Chemistry a European Journal* **2019**, *25*, 1495-14971. <http://dx.doi.org/10.1002/chem.201903804>.

5. J. C. Lopez, M. Del Rio, A. Oliden, J. Bañuelos, I. Lopez-Arbeloa, I. García Moreno, A. M. Gómez, “*Solvent-Sensitive Emitting Urea-Bridged bis-BODIPYs: Ready access by a One-Pot Tandem Staudinger/Aza-Wittig Ureation*” *Chemistry a European Journal* **2017**, *23*, 15711-15720. <http://dx.doi.org/10.1002/chem.201703383>

Inside front cover: <https://doi.org/10.1002/chem.201704232>.

C.2. Research Projects and Grants

1. Title: *Carbohidratos y Bodipys: Explorando las Propiedades Mejoradas de Nuevos Glicobodipys.(GLICOBODPROP)*

Funding Entity: Subdirección General de Proyectos de Investigación. Ministerio de Ciencia, Innovación y Universidades. Referencia: RTI2018-094862-B-I00

Participant Entities: CSIC

Duration: January 2019–December 2021

Participation: Principal Investigator (with a co-IP)

Amount funded: 92.000 Euros

2. Project Title: *Carbohidratos y sondas fluorescentes como herramientas en Química y Biología: Aplicación en terapia fotodinámica y partículas magnéticas*

Funding organism: Dirección General de Investigación Científica y Técnica. Ministerio de Economía y Competitividad. Project Reference: *CTQ2015-66702-R*

Participant organisms: CSIC

Length of time: January 2016–December 2018

Type of participation: Principal Investigator (PI)

Funding amount: 78.650 Euros

C.3. Patents

1. Inventors: A. M. Gomez, J. C. López, C. Uriel

Title: *Derivados de 4,4-difluoro-4-bora-3^a,4^a-diazas-indaceno*

Patent application number: P202030300

Country of priority: Spain Date of priority: 2020, Titular entity: CSIC.

2. Inventors: A. M. Gomez, J. C. López, M. Del Rio Alcalde, F. Lobo

Title: *Procedimiento de preparación de derivados de BODIPY sustituidos en la posición C-8*

Patent application number: P201530488

Country of priority: Spain Date of priority: 2015, Titular entity: CSIC.

C.4. Ph.D Theses, Supervision (last 5 years)

1. Title: *Desarrollo de nuevas estrategias para la síntesis de nucleósidos y de sondas fluorescentes conjugables.*

PhD student: Maria del Carmen del Rio Alcalde

University: University of Alcalá (UAH). Faculty of Pharmacy, Chemistry Dept. Date: 07/2017.

2. Title: *Diseño, síntesis y reactividad de nuevos sistemas Ferrier-Nicholas en derivados de piranosas.*

PhD student: Silvia Miranda Alcázar

University: University of Alcalá (UAH). Faculty of Pharmacy, Chemistry Dept. Date: 03/2019.

C.5. Teaching on Ph.D courses

Master on “*Drug Discovery*” (UCM, CEU San Pablo, UAH). 2012–2013; 2013–2014; 2014–2019.

Universidad de Alcalá (UAH) Master on “*Química Fina*” 2012–2015.

C.6. Book Chapters.

13 Book chapters: 9 of them in the last 10 years: *Specialist Periodical Reports. Royal Society of Chemistry*: 4 Chapters 2017, 2016, 2012 y 2009; *Springer-Verlag*: 2 Chapters 2008, 2011. *ACS Symposium Series* 1 Chapter 2007; *Wiley-VCH* 1 Chapter 2008; Elsevier, 2020.