

Enol López Hernández

PhD

“Synthesis and Chemical Reactivity”

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EXPERIENCE

- **Assistant Professor** at University of Valladolid, September 2023-currently.
- **K-RASKO Research SL**, February 2021- April 2022. Project Leader. Multidisciplinary tasks in the first steps of a drug discovery company. Acquisition of scientific equipment for a new laboratory, purchase managements, recruitment processes, team leadership, generation of synthetic routes for the preparation of new drug candidates.
- **The Janssen Pharmaceutical Companies of Johnson & Johnson-UCLM**, May 2019-January 2021. Postdoctoral Researcher. Development of new continuous flow methodologies for medicinal chemistry purposes.
- **University of Gakushuin** (Japan), January-March 2019: Postdoctoral Researcher in Akiyama's group. New catalytic methodologies based on chiral phosphoric acids.
- **University of Oviedo** (Asturias), 2014-2018: PhD Student under the supervision of Prof. Luis A. López and Prof. A. Ballesteros. New coinage metal catalyzed transformations via carbene intermediates: C-H bond functionalization and carbocyclization reactions.
- **University of Cambridge** (England), September-December 2017. Visiting PhD Student under the supervision of Prof. Steven V. Ley. Synthesis of Segetalin A under continuous flow.
- **SERIDA** (Asturias), April 2013: Undergraduate Practicum. Identification of meat biomarkers related with the pre- and post-sacrificial animal stress.

EDUCATION

- **PhD in Chemistry**. Synthesis and Chemical Reactivity, University of Oviedo, December 2018.
- **Master in Chemistry and Sustainable Development**. University of Oviedo, June 2014.
- **Bachelor Degree in Chemistry**. University of Oviedo, June 2014.

AWARDS AND GRANTS

- **Erasmus+ KO107** (2022).
- **Finalist** in Suschem-JIQ Awards Innova category (2022).
- **Extraordinary PhD Award**, University of Oviedo (2020).
- **San Alberto Magno Award**. Official Chemistry College from Asturias and León (2019).
- **Seal of Excellence** from European Comision in Marie Skłodowska-Curie actions (2019).
- **Finalist** in Suschem-JIQ Awards PreDoc category (2018).
- **Research Lilly Award** for PhD Students in Chemistry (2017).
- **Excellence Mobility Grant** for Professors and Researchers of the University of Oviedo (Santander Bank, 2017).
- Severo Ochoa Program **Predocctoral Grant**, 2014-2018.
- **MsC Grant**, for university fees for Master Students (Principality of Asturias, 2013).

SELECTED COURSES

- **MBA Business Administration**, UNIDEMA 2022.
- **Medicinal Chemistry**: The Molecular Basis of Drug Discovery, edX 2020.
- Position Yourself for Success - **DDI Training**, J&J 2020.
- Information **Security & Privacy** Training Course, J&J 2019.
- Records and **Information Management** Training, J&J 2019.
- **Occupational risk prevention** in R&D, 2019 (50 hours).
- **Cryptocurrency: Advanced Program**, 2018 (6 months).

PUBLICATIONS

1. Piper, B.; Martín, R.; Huertas-Alonso, A.J.; Linares, M.L.; **López, E.**; Llavería, J.; Díaz-Ortiz, A.; Dixon, D. J.; de la Hoz, A.; Alcázar, J. *Org. Lett.* **2023**, DOI: doi.org/10.1021/acs.orglett.3c01390.
2. Fernández-Peña, L.; González-Andrés, P.; G. Parte, L.; Escribano, R.; Guerra, J.; Barbero, A.; **López, E.**; *Mar. Drugs.* **2023**, 21, 402.
3. Fernández-Peña, L.; **López, E.**; Sánchez-González, A.; Barbero, A. *Molecules.* **2023**, 28, 3080.
4. Fernández-Peña, L.; Matos, M.J.; **López, E.** *Mar. Drugs.* **2023**, 21, 37.
5. Linares, M. L.; **López, E.**; Palao, E.; Alcázar, J. Flow Chemistry Opportunities for Drug Discovery. In *Flow and Microreactor Technology in Medicinal Chemistry*, **2022**, Alza, E. (Ed), Springer, Berlin, Heidelberg, pp 67-102.
6. **López, E.**; Bernardo, O.; López, L.A. *Tetrahedron Lett.* **2022**, 109, 154156.
7. **López, E.**; van Melis, C.; Martín, R.; Petti, A.; de la Hoz, A.; Díaz-Ortiz, A.; Dobbs, A. P.; Lam, K.; Alcázar, J. *Adv. Synth. Catal.* **2021**, 363, 4521.
8. **López, E.**; Alcázar, J. Flow Chemistry in Drug Discovery: Challenges and Opportunities, *Topics in Medicinal Chemistry*, **2021**, Springer, Berlin, Heidelberg, pp 1-22.
9. **López, E.**; Linares, L.; Alcázar, J. *Fut. Med. Chem.* **2020**, DOI: 10.4155/fmc-2020-0075.
10. Palao, E.; **López, E.**; Torres-Moya, I.; de la Hoz, A.; Díaz-Ortiz, A.; Alcázar, J. *Chem. Commun.* **2020**, 56, 8210.
11. Yamamoto, K.; **López, E.**; Barrio, P.; Borge, J.; López, L. A., *Chem. Eur. J.* **2020**, 16, 6999.
12. González-Pelayo, S.; **López E.**; Borge, J.; de los Santos, N.; López, L. A. *Eur. J. Org. Chem.* **2018**, 22, 2858.
13. González-Pelayo, S.; **López E.**; Borge, J.; de los Santos, N.; López, L. A. *Molecules*, **2018**, 23, 1335.
14. **López, E.**; Lonzi, G.; López, L. A. *Synthesis*, **2017**, 49, 4461.
15. **López, E.**; López, L. A. *Angew. Chem. Int. Ed.* **2017**, 56, 5121.
16. **López, E.**; Borge, J.; López, L. A. *Chem. Eur. J.* **2017**, 23, 3091.
17. **López, E.**; Suárez, T.; Ballesteros, A.; López, L. A. *Eur. J. Inorg. Chem.* **2017**, 225.
18. **López, E.**; González-Pelayo, S.; López, L. A. *Chem. Rec.* **2017**, 17, 312.
19. **López, E.**; Lonzi, G.; González, J.; López, L. A. *Chem. Commun.* **2016**, 52, 9398.
20. **López, E.**; González, J.; López, L. A. *Adv. Synth. Cat.* **2016**, 358, 1428.
21. López, L. A.; **López, E.** *Dalton Trans.* **2015**, 44, 10128.

22. **López, E.**; Lonzi, G.; López, L. A. *Organometallics*, **2014**, 33, 5924.
23. González, M. J.; **López, E.**; Vicente, R. *Chem. Commun.* **2014**, 50, 5379.

COMMUNICATIONS TO SCIENTIFIC MEETINGS AND ATTENDANCE AT CONGRESSES

- Flash Communication in **International Symposium of Synthesis and Catalysis**, 2023, University of Evora.
- **Research Seminar** in Vietnam Academy of Science and Technology, 2023.
- **Research Seminar** in Vietnam National University, 2023.
- **Flash and poster communication** in XXVII Reunión Bienal RSEQ (Royal Spanish Society of Chemistry), 2018, Santiago de Compostela.
- Research Presentation in **Eli Lilly**, 2017, Alcobendas.
- Invited oral Communication in **Lilly Awards Sesión**, XXXVI Reunión Bienal (RSEQ), 2017, Sitges.
- Spanish-Japanese Symposium on **Modern Synthetic Methodology**, 2017, Gijón.
- **Barluenga Lectureship** 2016, Oviedo.
- Flash Communication in SISOC XI. **11th Spanish-Italian Symposium on Organic Chemistry**, 2016, University of Basque Country.
- **Drugs are molecules**: Design, structure and function, 2015, Menéndez Pelayo International University, Santander.
- Poster Communication in **XXXV Reunión Bienal (RSEQ)**, 2015, Universidad de A Coruña.
- Third Symposium on **Selective Synthesis Mediated by Organometallic Compounds** (Honouring Professor José Barluenga), 2014, Universidad de Oviedo.
- **Biotechnology and health**: from the science and technology to the economic impact, 2014, Menéndez Pelayo International University, Santander.

OTHER INFORMATION

- Expertise in Office (Word, Excel, PowerPoint), Internet, Windows, ChemDraw, MestreNova, TopSpin, ACD, OpenLynx, WinGX, 3DX, SciFinder, Reaxys, etc.
- Drug discovery, flow chemistry and electrochemistry in flow, catalysis, single-crystal X-ray diffraction, LC-MS, GC-MS, chromatography, HPLC, NMR, glovebox, article and book chapter generation.
- Spanish: Native. English: Speaking and writing skills.
- Driving license and own car.
- LinkedIn profile: www.linkedin.com/in/enol-lópez-hernández