

Two PhD positions in the Romero-Nieto Group

Two PhD positions in the development of new π -extended six-membered phosphorus heterocycles for materials applications.

This project will be a part of an international consortium of five research groups focusing on the investigation of new phosphorus-based systems for optoelectronic applications. The goal will be to develop novel advanced systems to open up new research possibilities in material science. Candidates should have advanced synthetic skills in organic molecules. Fluency in English is required.

Reference papers:

- *Angew. Chem. Int. Ed.*, 2021, 60, 766-773
- *Angew. Chem. Int. Ed.*, 2018, 130, 15377-15381
- *Angew. Chem. Int. Ed.*, 2015, 54, 15872-15875

Requirements for the PhD candidates:

- Applicants should have a background in synthetic organometallic/organic chemistry
- Experience with the manipulation of air- and moisture-sensitive compounds is highly desirable
- Master's degree in organic chemistry
- Minimum qualifications from **Bachelor** studies above 7.5/10 are preferable
- Strong analytical and problem-solving skills
- Proficiency in written and spoken English
- Strong organizational and time-management skills
- Commitment to the project and willingness to learn and develop new skills as required
- Candidates should have a great enthusiasm for science, be proactive and communicative (in English). They should be team players with an open-minded attitude and strong social skills
- A commitment to the project and the ability to lead and mentor graduate students as needed
- Fluency in written and spoken English.

How to apply: CV and contact details of two referees in a single pdf should be sent to romeronietogroup@gmail.com. For the PhD candidates, the CV should include the mark of the Bachelor's degree. All candidates will be interviewed via Teams.

We offer: The PhD position have an initial duration of 2 years, with the possibility of extension until the end of the PhD. Successful candidates will receive a salary in accordance with the UCLM guidelines. If you have further questions, please contact us through the provided email address. The research program will start as soon as the positions are filled.

About the group and the city:

The group is highly international and the communication is in English. It operates within a collaborative team environment, where candidates will have the opportunity to work independently on their research, while receiving guidance and support from senior researchers as needed. The project will involve the development of skills in synthetic chemistry, photophysical investigations, and effective communication of scientific results. Candidates will have the opportunity to present their work at seminars and international conferences, which will help to further enhance their skills and knowledge.

The group is based at the Faculty of Pharmacy in Albacete, which is a modern and well-equipped institution. Albacete is situated in the region of Castilla-La Mancha, and is known for its excellent transportation links, with high-speed train services and direct connections to cities such as Cuenca, Madrid, Valencia, Alicante, and Murcia. Additionally, the beautiful beaches of Alicante can be reached within just 55 minutes by train. The Sierra de Alcaraz mountain range is located approximately 80 km south of Albacete, offering numerous hiking opportunities with peaks reaching up to 2000 meters in height. The city is surrounded by picturesque villages, including Alcalá del Júcar, Ayna, and Bogarra. Living in Albacete is affordable and offers a vibrant social scene, with all major amenities located within walking distance, making it an ideal location for achieving a good life-work balance.

More information about the group can be found on the web: romero-nieto.com and on Twitter: [@cromeronieto](https://twitter.com/cromeronieto)

Albacete location:

Alcalá del Júcar:



Ayna:

