Research visit at Yamada's Lab, University of Kyoto

Dr. Pablo Simón Marqués, CEMES-CNRS October, 9th – November, 5th

During one month, I got the opportunity to join Prof. HirokoYamada's group as a visiting researcher. Since the beginning, I felt pleased and welcomed by the Japanese team that make me feel comfortable along the journey. This was my first visit to the country and spending time within Uji and Kyoto was very special in order to be immersed in the culture and manners of Japan.

Thanks to the ICR-iJURC program, we could enlarge our previous collaboration with Yamada's group focused on the development of new precursor approach methodologies for the preparation of novel polycyclic aromatic hydrocarbons with potential applications in organic electronic devices. Most importantly, one of the exchange program goals was to be trained in the preparation of organic field-effect transistors (OFET), a type of device that my host mastered perfectly. The training started with the preparation of substrates and the deposition of the synthesized materials by multiple techniques like, spin-coating, drop-casting or dip-coating. After achieving polycrystalline thin-films we could continue with the deposition of gold electrodes by vacuum sublimation and finally the characterization of the devices. Taking advantage of the well-equipped lab at Kyoto University, I could run in parallel multiple experiments regarding the photophysical characterization of the organic compounds as well as other photochemical experiments.

Overall, it was scientifically and personally a great experience that I would recommend to other researchers envisioning to enhance their internationalization and to start new collaborations with worldwide leading groups.

I would like to keep the last words to acknowledge Prof. Yamada and her team, as well as the ICR-iJURC Short-term Exchange Program, for giving me this fruitful opportunity that I will remember for life.