



Erasmus+ Traineeship

EMPLOYER INFORMATION	
Name of Organization	University of Murcia
UMU Contact Person and e-mail	José Ginés Hernández Cifre jghc@um.es
UMU Address	Facultad de Química, Campus de Espinardo, 30100 Murcia
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ENTERPRISE JOB DESCRIPTION	
Name of enterprise	Organometallic Chemistry Group / Grupo de Química organometálica
Duration	3 months or longer
Working Hours	25–35 h/week
Project Description	Organometallic chemistry, homogeneous catalysis, luminescent materials and photochemistry



Tasks of the Erasmus intern	<ul style="list-style-type: none">• Synthesis and structural characterization of new organometallic palladium, platinum or gold compounds.• Study of new Pd-catalyzed cascade reactions.• Photophysical studies on new organoplatinum complexes. Study of new photoinduced reactions. <p>The student will receive training in some of the following techniques:</p> <p>a) Techniques for the synthesis and purification of organometallic, coordination and organic compounds.</p> <p>b) Structural characterization techniques (NMR and IR spectroscopies, mass spectrometry, X-ray diffraction).</p> <p>c) Photophysical characterization techniques (absorption/emission spectroscopy, excited-state lifetime and quantum yield measurements).</p>
Requirements	<p>The student should be able to communicate fluently and to read and write research reports in English.</p> <p>Basic knowledge on inorganic, coordination and organometallic chemistry is required.</p> <p>Basic knowledge on NMR spectroscopy is desirable.</p>
What do we offer	<p>We are a research group with 40-years experience in training of pre- or post-graduate students.</p> <p>We offer well-equipped laboratories, individualized training and a friendly working atmosphere.</p>
Website	<p>https://curie.um.es/curie/catalogo-ficha.du?seof_codigo=1&perf_codigo=10&peva_cod=003&titulo=Ciencias+Experimentales&sec_codigo=&cods=E046*03</p> <p>Also: https://www.um.es/ggo/</p> <p>Contact: Dr. Juan Gil Rubio (jgr@um.es; Tel. +34 868 88 74 56)</p>



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