## HOST UNIVERSITY INFORMATION

**Name of the institution**
Universidad de Burgos

**Address**
C/ Hospital del Rey, s/n

**Telephone**
+34 947 259 043

**Website**
www.ubu.es

## TRAINING PLACEMENT INFORMATION

**Department**
Chemistry

**Description of activities**
1- Preparation of inorganic molecular materials, as directed by the researchers, for:
   - In vitro and, where appropriate, in vivo testing of the antiproliferative activity of prepared materials (with pharmacological application in mind: antitumour, antifungal, antibacterial)
   - The preparation of organic-organic hybrid materials with chromogenic properties (thinking of sensors with different application possibilities: environmental pollution control, occupational safety, civil safety or food safety by different chemical agents or pathogens such as fungi or bacteria)

2- Preparation of organic-inorganic hybrid materials containing inorganic molecular materials with antiproliferative activity, as indicated by the researchers, for:
   - In vitro and, where appropriate, in vivo testing of the antiproliferative activity of prepared materials (with the application of materials in biomedicine in mind)

3- Preparation of organic-inorganic nanomaterials for teenagers, as indicated by the researchers, for:
   - In vitro and, where appropriate, in vivo testing of the antiproliferative activity of prepared materials (thinking about the pharmacological application, biomedicine: antitumour, antifungal, antibacterial)

4- Use of analytical techniques and databases to characterize the purity and other properties of prepared materials

**Working language**
English, Spanish

**Location**
Facultad de Ciencias / Laboratorio de Química Inorgánica/Orgánica

**Duration (minimum of 15 days)**
From: 15/09/2018 for 3 months

**Training hours / week**
Mornings/Afternoons

**Number of placements**
2

**Does the university provide accommodation?**
☐ No

**Does it offer any grant/stipend?**
☐ No
## Placement Offer Form UBU04

<table>
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<tr>
<th>Placement offer for</th>
<th>☐ First call</th>
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### Candidate's Profile

<table>
<thead>
<tr>
<th>Maximum age limit</th>
<th>Not applicable</th>
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<tbody>
<tr>
<td>Skills required</td>
<td>Autonomous work, use of scientific databases, basic understanding of scientific articles, work in the laboratory of synthesis and characterization of chemical compounds, writing of scientific results report</td>
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<tr>
<td>Degree (master, PhD, Post Doc)</td>
<td>Master, PhD</td>
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