

**Information to be requested from all CA17104 participants:**



<b>Indicate your Working Group(s) in COST Action17104:</b>	<b>WG2-</b> Synthesis and nanodelivery strategies for new therapeutic tools against MDR tumours
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<b>Surname:</b>	Pinto
<b>Department</b>	Chemical Sciences, Laboratory of Organic and Pharmaceutical Chemistry
<b>Primary Institution</b>	Faculty of Pharmacy of University of Porto
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<b>Link to webpage with biography:</b>	<a href="http://madalenapinto.com/">http://madalenapinto.com/</a>

<p><b>Link to webpage with group description:</b></p>	<p><a href="https://www2.ciimar.up.pt/team.php?id=226">https://www2.ciimar.up.pt/team.php?id=226</a> (not updated yet by CIIMAR) <a href="https://www2.ciimar.up.pt/research.php?team=27">https://www2.ciimar.up.pt/research.php?team=27</a> (not updated yet by CIIMAR)</p>
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<p><b>Orcid ID or Scopus ID</b></p>	<p><a href="http://orcid.org/0000-0002-4676-1409">http://orcid.org/0000-0002-4676-1409</a> <a href="https://www.scopus.com/authid/detail.uri?authorId=35591287300">https://www.scopus.com/authid/detail.uri?authorId=35591287300</a></p>
<p><b>Linkedin</b></p>	<p><a href="https://www.linkedin.com/in/madalena-pinto-14334836">linkedin.com/in/madalena-pinto-14334836</a></p>
<p><b>Expertise relevant for this COST Action:</b></p>	<p>Isolation of new compounds from marine origin as well as the design and synthesis of novel compounds based on marine natural products scaffolds to explore potential biological and pharmacological activities. Study of mechanisms of action on cellular and molecular levels, evaluation of biophysico-chemical parameters and application of suitable drug delivery systems. Among diversity of biological activities found during last years, we have focused on of our work in multidrug resistance (MDR) and small molecules to overcome MDR in cancer. Under my leadership, the research on "Natural Products and Medicinal Chemistry Group" has been developed predominantly in an interdisciplinary way comprising Organic Chemistry, Biology, Computer-aided Drug Design, X-Ray Crystallography and Drug Delivery Systems.</p>
<p><b>Available facilities to conduct work, relevant for this COST Action:</b></p>	<p>Organic Synthesis Laboratory, HPLC equipments, chiral analysis, computational chemistry software</p>
<p><b>Materials/Methods that could be shared with other members of this COST Action:</b></p>	<p>In-house library of diverse bioactive small molecules; virtual screening; novel chiral columns for HPLC</p>

NOTE: By submitting this form to the Grant Manager of CA17104, I agree that this information can be used within the scope of this COST Action (e.g. may be included on the webpage of CA17104).