


Information to be requested from all CA17104 participants:

	
Indicate your Working Group(s) in COST Action17104:	WG2 (Chair of the CA17104)
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Link to webpage with biography:	
Link to webpage with group description:	<u>NOPhArm (DRUG DESIGN- NO Prodrugs and hybrids)</u>

Orcid ID or Scopus ID	orcid.org/0000-0001-6726-1254
Linkedin / Google Scholar	
Expertise relevant for this COST Action:	<p>The group has developed a solid expertise in designing NO-donors and multi-target drugs. In the last decade we developed anticancer agents joined either with NO-donors (e.g. NO-doxorubicine) or with NO photodors</p> <p>The ability to bind and modulate multiple biological targets within a single molecule offers several distinct advantages compared to combination therapies, most importantly consistent and predictable pharmacokinetics.</p>
Available facilities to conduct work, relevant for this COST Action:	<p>Fully equipped organic synthesis labs.</p> <p>Wide array of analytical instrumentation including multiple HPLC chromatographs (analytical, semi-preparative and preparative), NO-sensitive electrodes, Sirius GlpKa microtitration apparatus.</p> <p>In-house access to main spectroscopic techniques for structural characterization and purity assessment (NMR, MS/LC-MS, FT-IR, UV).</p> <p>Instrumentation for <i>in vitro</i> biochemical and pharmacological assays.</p>
Materials/Methods that could be shared with other members of this COST Action:	<p>On the basis of the available facilities we can share our expertise in the design and synthesis of multitarget drugs, NO-donors and NO-donor photosensitisers, as well as their physico-chemical characterisation</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).