Information to be requested from all CA17104 participants:

Indicate your Working Group(s) in COST Action17104:	**WG4**
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Linkedin	
Expertise relevant for this COST Action:	Safety pharmacology, toxicology, cardiovascular pharmacology, patch-clamp electrophysiology
Available facilities to conduct work, relevant for this COST Action:	Patch-clamp set-up, Langendorff isolated heart system, Multi-chamber tissue bath system, Tissue and cell culture facility, Animal facility, UV-Vis Spectrophotometer, HPLC, Fluorimeter, Flow cytometer, Fluorescence and Optical Microscopes
Matherials/Methods that could be shared with other members of this COST Action:	Vascular cell lines, enzymatically isolation of vascular and cardiac cells. Cell-based methods to assess (viability, cell cycle, patterns of cell death, mitochondrial dysfunction, redox state; Ca^{2+} handling). Patch-clamp analysis of ionic currents [Na^{+}, Ca^{2+}, K^{+} channels, i.e. Kv11.1(hERG) - the target of virtually all QT interval-prolonging torsadogenic drugs] in single cell. Computational methods for molecular docking and dynamics simulations to predict drug interaction with ion channel protein. Evaluation of vascular responsiveness to various agents (in aorta rings, single myocytes) Evaluation of cardiac function (left ventricular pressure, coronary perfusion pressure) and damage (CK, troponin T, NT-proBNP), electrocardiogram in Langendorff-perfused heart.

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).