



*8th
meeting on
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biotechnology*

BOOK OF
ABSTRACTS

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BOOK OF ABSTRACTS OF THE 8TH MEETING ON MEDICINAL BIOTECHNOLOGY

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Mobile Application for Cardiovascular Risk Assessment

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Cardiovascular risk assessment plays a crucial role in the primary prevention of cardiovascular diseases, which are one of the leading causes of global morbidity and mortality. Modern society has benefited from portable and accessible means of assessing cardiovascular risk through contemporary technological trends. This effort is aligned with the scientific community's mission to reduce disability and mortality associated with cardiovascular pathologies, such as myocardial infarction or stroke, widely recognized in scientific literature. The development and incorporation of cardiovascular risk assessment tools can be consid-

ered accessible and effective strategies, both in the primary and secondary prevention of these diseases in the context of today's highly technological society, and can also contribute to a significant advance, supported by scientific evidence. This paper describes all phases of project development, covering the entire life cycle of a Web product development: project planning, state-of-the-art study, technical design process, prototyping and application development (methods and techniques, software implementation). This application may contribute to reducing cardiovascular risk and to the promotion of cardiovascular health literacy.

KEYWORDS: cardiovascular risk assessment, mobile application; public health

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