R&D Profile Form

Name of the Organisation	Dipartimento di Scienze Biomediche Sperimentali e Cliniche dell'Università degli Studi di Firenze
Organisation Short Name	DSBSC, Univerisity of Florence
Organisation Type	Academic
Country	Italy
Fields of Activity	Role of protein tyrosine phosphorylation in different biological processes such as survival, proliferation, adhesion and motility, in normal or neoplastic cells. Role of Mitogen-Activated Protein Kinases (MAPK), ERK5 in particular, in biological processes relevant for cancer growth. Mechanisms of signaling by the Colony-Stimulating Factor 1 Receptor in macrophages and cancer cells. Inhibition of tumor growth by kinase inhibitors.
Skills and Expertise Offered	Expert in signal transduction in cancer cells and in particular in the regulation of cell survival, proliferation, migration which are biological processes important for tumor growth and development. Molecular biology techniques. Cell culture. Cell biology assay. Confocal microscopy. Flow cytometry. Incubation in hypoxia. She supervised the thesis work of several students of Biological Sciences, Medical Biotechnologies, as well as the PhD program in Experimental and Clinical Oncology. E.R. is also in charge of teaching General Pathology at the School of Medicine of Florence University.
Keywords	Tyrosine kinase receptor, Mitogen activated protein kinase, Colony-Stimulating factor 1 Receptor, Macrophage Colony-Stimulating factor, ERK5, kinases, protein phosphorylation, signalling, kinase inhibitors, cancer, molecular basis of disease, myeloid leukemia, melanoma, breast cancer.
Previous FP Projects Participated	none
Topic(s) Interested	Life Sciences, health, cancer, inflammation, signal stransduction, molecular therapy, resistance mechanisms, biological basis of cancer,
Contact Person	Elisabetta Rovida, PhD Department of Experimental and Clinical Biomedical Sciences University of Florence Viale G. B. Morgagni, 50 50134 Florence

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	Italy
Position in the Organisation	Assistant Professor in General Pathology and Principal Investigator
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