

# Partner Search Form

Date

Deadline

## CONTACT

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Are you familiar with the European Framework Programme?

YES  NO

## PROJECT

<b>Title</b>	Analysis of the RNA polymerase as potential marker of pathogenicity in highly pathogenic influenza virus		<b>Acronym</b> PBmarkflu
<b>Project type</b>	<input type="checkbox"/> Integrated Project	<input type="checkbox"/> Network of Excellence	<input checked="" type="checkbox"/> STREP
			<input type="checkbox"/> STREP-SME <input type="checkbox"/> Other:
<b>Status</b>	<input checked="" type="checkbox"/> planned for submission	<input type="checkbox"/> running EU project	
<b>Call references</b>	FP6-2005-SSP-5B-INFLUENZA	FP6-2005-SSp-5B	

**Priorities' Main Research Areas**

SCIENTIFIC SUPPORT TO POLICIES

**Workprogramme Topic (according to each priority workprogramme)**

8.1. B.2.2.Task 2 Defining molecular markers of pathogenicity in highly pathogenic influenza

**Project description**

Analysis of the RNA polymerase of the highly pathoinfluenza virus:  
 - genotyping of RNA-polymerases encoding genes (PA, PB1 and PB2) from virus isolated from human and avian species  
 - study of the impact of RNA polymerase mutants on the pathogenicity and on the intra- inter-species transmission  
 -- evaluation of RNA polymerase subunits as innovative drug target by means of computational approach  
 - design and synthesis RNA polymerase inhibitors to be used as new lead and or pharamacological tools.

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<b>Keywords</b>	influenza A RNA-polymerase; homology building; genotyping; drug design; pathogenic markers; heterocycle chemistry; nucleotide-mimetics synthesis; molecular modelling; viral enzymology; gene expression	
<b>Partners already involved</b>	Department of Medicinal Chemistry - University of Siena: Synthesis of heterocycles, nucleotido-mimetics; modified peptides; peptide-mimetics;  University of Napoli "Federico II": Computer aided drug design (Homology Building, Docking, Molecular mechanic and dynamics; semiempirical methods)  Molecular Genetics Institute-CNR -Pavia: DNA Enzymology & Molecular Virology Molecular-genetic analysis of gene expression	
<b>Project budget (for the running projects)</b>		<b>Budget reserved for SMEs</b>

## Profile of SME sought

<b>Role</b>	<input type="checkbox"/> technology development	<input checked="" type="checkbox"/> research	<input type="checkbox"/> training
	<input type="checkbox"/> dissemination	<input type="checkbox"/> demonstration	<input type="checkbox"/> other _
<b>Country /region</b>	Eu member, ACC		
<b>Start of partnership</b>	<input checked="" type="checkbox"/> start-up phase	<input type="checkbox"/> mid-term	<input type="checkbox"/> end-phase
<b>Expertise required</b>	- virus isolation from animal samples - genotyping of viral strains from human and animal samples - immunology studies on humans and avian species		

I agree with the publication of my data

YES       NO

PLEASE FILL IN THE PARTNER SEARCH FORM AND RETURN IT TO:

[nicolescu@apre.it](mailto:nicolescu@apre.it)

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