

Researcher / Enterprise profile form



Date 9 June 2005

Valid until: 31 12 2006

CONTACT DETAILS

Research organisation / Enterprise	Company
Organisation Name	SimeTRA Pharm LTD.
Department	
Address City Country	POB 408 South Industrial zone Kyriat shemona Israael
www address	www.simetrapharm.com

Researcher / Contact person	Researcher: Dr. (Mrs.) Sarit Larisch Contact person: (Mrs.)Keren Slijper
Name / Surname	
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ORGANISATION TYPE

Research organisation type	<input type="checkbox"/> Research Organisation	Is your company a Small and Medium Sized Enterprise (SME*)?	v YES <input type="checkbox"/> NO
	<input checked="" type="checkbox"/> Company		
	<input type="checkbox"/> Other	Number of employees:	5

SMEs go LifeSciences
Activities supporting SME participation in the instruments particularly Integrated Projects and Networks of Excellence - in the areas of Life Sciences in the 6th Framework Programme

www.smesgolifesciences.org

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- Description of research activity:

SimeTRA Pharm is searching for drugs that will specifically trigger the apoptotic process in cancer cells. SimeTRA is developing drugs based on ARTS, a proprietary powerful pro-apoptotic protein. ARTS is a highly potent pro-apoptotic protein that acts mainly through antagonizing Inhibitor of Apoptosis Proteins (IAPs). In living cells, ARTS resides in mitochondria, but in response to pro-apoptotic stimuli it is released and directly binds to IAPs, thereby inhibiting their ability to prevent apoptosis. Significantly, we have found that ARTS is a tumor suppressor in childhood Acute Lymphoblastic Leukemia (ALL), lymphoma and possibly other malignancies as well.

SimeTRA's first products will be focused on treating Hematopoietic cancers (Leukemia, Lymphoma and Myeloma).

SimeTRA is currently focusing on structure - function studies of the ARTS protein as a basis for creating an ARTS mimetic molecule. Small ARTS derived peptides are currently being tested for binding and neutralizing IAPs as well as for their selective apoptotic activity in various cancer cells. The company intends to start testing the relevant peptides and small molecules in an animal model starting Q2/2006, and plans to start pre-clinical studies by Q1/2007 and phase I clinical studies during Q4/2007.

Former participation in an FP European project?

YES NO

Project title / Acronym:

Activities performed:

* Your enterprise is an SME if:

-it has **less than 250 employees**

-it has either an **annual turnover not exceeding €40M, or an annual balance sheet total not over €27M**

-it is **less than 25% owned by a non SME** (unless these are financial investors, such as banks or venture capitalists)

EXPERTISE/COMMITMENT OFFERED

Keywords specifying the expertise:

Apoptosis, IAP – antagonists, IAP - agonists

Description of the expertise:

Using molecular biology, cellular biology and biochemistry assays for research and development of selective anti-cancer drugs

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Commitment offered

Research Demonstration Training
 Technology Dissemination Other:

EXPECTATIONS

Term commitment

Short (< 1 year) Medium (1 to 3 years) Long (more than 3 years)

Expected results for your organisation:

Establishing long term relationships with other European SME's. Collaboration with companies that own technologies which could contribute to our efforts for making anti-cancer drug based on ARTS. For example, NMR or crystallography of the ARTS molecule. Establishing combination of therapies aimed at restoring apoptosis selectively to cancer cells.

I agree with the publication of my data!

PLEASE FILL IN THE PROFILE FORM AND RETURN IT TO:

Adva Schwartz

ISERD

email: adva@iserd.org.il

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