



# EU Funded Research Project

## Partner Search Form

Date:	Deadline:
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### Contact

Organization	Agriculture Research Center, Plant Pathology Research Institute, Virus and Phytoplasma Research Dept, Molecular biology Lab., 9, Gamaa St., Giza., Egypt.	Department Virus and Phytoplasma Research Department	
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Familiar with the European Framework Programme?  YES  NO

### PROJECT

1) <b>Title:</b> Development of genetic system for crop improvement through a system biology approach	<b>Acronym:</b>
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<b>Project type</b>	<input checked="" type="checkbox"/> Large-scale integrating collaborative project <input type="checkbox"/> Targeted to SMEs <input type="checkbox"/> Coordination and Support Action <input type="checkbox"/> Other (Marie Curie Actions, ERA-NET...)	<input type="checkbox"/> Small or medium-scale focused research collaborative project <input type="checkbox"/> Network of Excellence <input type="checkbox"/> Research for the benefit of SMEs
<b>Status</b>	<input checked="" type="checkbox"/> Planned for submission	<input type="checkbox"/> Running project
<b>Call references</b>	1 <sup>st</sup> Call <input checked="" type="checkbox"/> 2 <sup>nd</sup> Call	

<b>Priorities' Main Research Areas</b> (Topics from Workprogramme)	Call identifier: <i>FP7-KBBE-2007-2A</i> <ul style="list-style-type: none"><li>• <i>KBBE-2007-1-1-03</i>: Development of genetic system for crop improvement through a system biology approach</li></ul>
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<b>Keywords</b>	Molecular Virology, Molecular breeding, Molecular Markers, Sharka Virus, abiotic stress, Molecular biological techniques, Antibody engineering, Tospovirus, Insects, crop improvement, Research and Development.
<b>Partners already involved</b>	NON
<b>Project budget (for the running projects)</b>	NON
<b>Commitment/Work to be offered</b>	<p>1- Mapping disease resistance genes using polymorphic DNA markers restriction fragment length polymorphism (RFLP) map, random-amplified polymorphic DNA (RAPD), amplified fragment length polymorphism (AFLPs) and sequence characterized amplified regions (SCAR's).</p> <p>2- Marker assisted selection of breeding lines that contain chromosome segments associated with disease resistance</p> <p>3- Plant transformation with genetically engineered expression cassette (transgenic plants).</p> <p>4- Design the sequences of of Ribozymes, antisense-RNA, plantibodies, Phage display, coat protein expression, etc.</p>
<b>Experience</b>	<ol style="list-style-type: none"> <li>1) Recipient of the Outstanding Researcher Award, ARC, Egypt (May 2005).</li> <li>2) Principal Investigator of the Project entitled "The use of Molecular biology in development of recombinant antibodies for use in the production of diagnostic packaging materials (kits) specific for potato viruses" (Submitted to ASRT, Egypt).</li> <li>3) Member of the American Association for the Advancement of Science (AAAS).</li> <li>4) Member of Egyptian Society of Virology.</li> <li>5) Member of Egyptian Society for Microbiology.</li> <li>6) Recipient of Research and Training Fellowship, General Botany/Microbiology and Molecular Biology of RNA and DNA Viruses. Michigan State University and Cornell University, USA (1993).</li> </ol>

### Profile of Partner Sought

<b>Role</b>	<input checked="" type="checkbox"/> technology development <input type="checkbox"/> research <input type="checkbox"/> training <input type="checkbox"/> dissemination <input type="checkbox"/> demonstration <input type="checkbox"/> other
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If another role expected, please specify it here

<b>Country /region</b>	France , Germany, Italy, Romania, Turkey
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<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>	The partners experience required should be acquainted with Early Plant health, warning systems, remote sensing, Pest managements, Genomics, and Proteomics.

**I agree with the publication of my data**

**Please fill-in and return it to:**

**Egyptian National Scientific & Technical Information Network (ENSTINET)**

**By email to: [fp7@sti.sci.eg](mailto:fp7@sti.sci.eg)**

**By fax. To: (+202) 7947807**