

**Search for a Spanish Partner for a
Bilateral R&D Project (this document will be shared with potential Spanish
companies)**

| Organization | |
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| Date of Request: | 01/03/2018 |
| Company name: | Veterinary Serum and Vaccine Research Institute |
| Contact person and title/ designation: | Dr/Amany Mohammed Abbas Researcher (virology) in Rabies department Have been Specified on vaccine research production |
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| Website: | www.vsvri.com |

SECTION 1: Your Company Profile

(Please give brief / to the point explanations. For more explanation on any point below, you may add a short paragraph as an annexure, with this document.)

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| Business Sector | Vaccine production and researches |
| Company mission or core functions | Vaccine to protect country animals from border disease |
| Date of establishment | 1903 |
| Ownership (if public and traded, add stock exchange and ticker symbol) | Governmental |
| Total number of employees | 1000 |
| Number of employees in R&D | 500 |
| Key products sold or services provided | Veterinary Vaccines production Live attenuated (bacterial-viral)vaccines Inactivated (bacterial-viral)vaccines For large animal (FMD-POX-RVF-BEF) Vaccines. For poultry (AI -Avian Influenza)-ND – IB-IBD Vaccines. For Pets (RABIES) |

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|------------------------------------|--|
| Company core technical competences | VSVRI institute as a research and production institute that help him to use all newly prodctive value research to improve governmental biological vaccine products According to high technology . |
| Key R&D programs and activities | <p>My expertise on vaccine production</p> <ul style="list-style-type: none"> • BHK21 -Vero MDBK –MDCK cell culture propagation • Different Viruses propagation on different types of tissue culture • Preparation of different inactivated and live vaccine • Using nano particles as adjuvant for inactivated rabies vaccine (Under patent). • PCR technique and RT-PCR. • ELISA technique for Ag Ab (antigen antibody detection). • SNT serum neutralization test • VNT virus neutralization test • FAT Fluorescent antibody technique • Quality control laboratories valid with ISO17025. <p>General: Cell culture production. Virus propagation on tissue culture Vaccine production by virus propagation(live and inactivated) Find quality proteins, antibodies, ELISA kits, laboratory reagents, and tools.</p> |
| Examples of accomplishments | <p>Use of newly adjuvants for vaccine production nano-adjuvant that is under patent with rabies vaccine Alternation from egg vaccine to tissue culture vaccine. Trials on nanovaccine production</p> |
| Company strategic orientation | <p>Governmental Orientation, the general strategy as well as the change management strategy. The observance of the sequence of actions and the conditions enabling the creation of the institute’s development program seems to be a reasonable way to achieve its substantial correctness.. The condition for the correctness of development programs and their effective implementation is also the used in</p> |

SECTION 2: Partner of Interest

(Please provide a brief summary of the prospective partner company or organization. This summary may address some or all of the points below)

Profile of ideal technology partner

- vaccine production on tissue culture

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| | <ul style="list-style-type: none"> • nano vaccine production • molecular engineering for monoclonal production for vaccine production . |
| Core technological competencies and expertise | Tools for nano particles production Ultra sonication,x-ray- ,Electron microscope - and researchers expertise |
| Other essential qualifications (e.g.: ownership, track records etc.) | Private companies. <i>Good track records in investment.</i> |
| If you have a list of companies with whom you are in contact or interested in contacting, please provide contact details | no |
| If you are interested in collaboration: please specify details and other important information you want to share with a potential company | Staff training Post doctoral ,Phd ,Master Peads |
| Interested areas of collaboration | Nano vaccine production |
| Specific R&D contribution you are seeking/offering | Any thing that will help the production as researchers ,available tools ,equipments |

Signature

Name: Amany El Zieny

Date: 01/03/2018