

Profile # 000

Profile # 000 - KIRIKKALE UNIVERSITY - SELCUK UNIVERSITY - Turkey

Date: 2005/12/22

Deadline: 2006/03/1

Contact

Organisation (s)	KIRIKKALE UNIVERSITY SELCUK UNIVERSITY	Department	MICROBIOLOGY & IMMUNOLOGY FACULTY OF VETERINARY MEDICINE
Contact person(s)	Prof Dr Ersin ISTANBULLUOGLU (KIRIKKALE UNIVERSITY) - Prof Dr Osman ERGANIS (SELCUK UNIVERSITY)		
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Country	Turkey		

Organisation

Type:	Universities & Research Organisations & Private poultry production sectors
Is a Small and Medium Sized Enterprise (SME)?	YES
Number of Employees	140
Description of research activity:	<ul style="list-style-type: none">• Basic research on structure, virulence factors, immunogenicity, epidemiology of avian influenza (AI) virus• Development and implementation of early warning system and risk assesment concerning AI, determine the role of wild birds and back yard poultry flock in AI in Turkey.• Development of diagnostic kits and a vaccine against H5N1.• Development of simulation models to measure economic impact of an AI epidemic on Turkish Poultry Industry
Former participation in an FP European project?	NO

Research topics

• Conducting studies to examine the moluculer biology and epidemiology of the avian influenza virus in Turkey
• Standardization of diagnostic tests and development of diagnostic kids such as PCR and ELISA
• Establishing libraries of antigenitically and genetically charecterized AI virus isolate in Turkey
• Determine the imigratory patens and resting areas or wild bird in Turkey
• Development of H5N1 AI vaccine for commercial and back yard poultry flocks
• Reinforcement of the Community and national reference laboratories network for avian influenza (CA)
• Review of national pandemic plans and compare its charecteristics with the plan of EU.

Expertise/commitment offered

Keywords specifying the expertise:	Avian influenza, vaccine, epidemiology, network, national reference laboratory
Description of the expertise:	<p>Department of Microbiology laboratory's basic expertise are vaccine development against different animal infections such as <i>Escherichiae coli</i> and <i>S. gallinarum</i> & <i>S. enteritidis</i> vaccine for poultry, <i>Salmonella typhimurium</i> vaccine for sheep and cattle, <i>Staphylococcal mastitis</i> vaccine for ruminants, <i>Rhodococcus equi</i> vaccine for horse, <i>Ornithobacterium rhinotrachale</i> vaccine for turkeys and chickens, and some diagnostic antigen & kits development.</p> <p>Epidemiological investigations and diagnosis of poultry diseases and other animal infections. Vaccinations strategies for poultry, Serological monitoring of Poultry Diseases.</p> <p>Our Research Interests Are Focused In:</p> <ul style="list-style-type: none"> - Influenza vaccine development for avian species - Improved diagnosis and early warning systems - Reinforcement of the Community and national reference laboratories network for avian influenza <p>NATIONAL COLLABORATIONS WITH:</p> <p>a) Department of Microbiology & Immunology, Faculty of Veterinary Medicine, Kirikkale University, / Prof Dr Ersin ISTANBULLUOGLU (eistan@superonline.com)</p> <p>b) Department of Microbiology & Immunology, Faculty of Veterinary Medicine, Selcuk University, / Prof Dr Osman ERGANIS (erganis@selcukedu.tr), Doc Dr U Sait UCAN, Doc Dr H.Huseyin HADIMLI</p> <p>b) Veterinary Control & Research Institute, Bornova "Reference Laboratory of Avian Influenza in Turkey" The Institute was isolated and identified to the avian influenza infection in Turkey / Dr Hanefi ERTURUN DVM, Dr Zeyyad MISIRLIOGLU DVM, Huseyin ATIK DVM,</p> <p>c) Veterinary Control & Research Institute, Konya " Diagnostic Laboratory of Poultry Diseases" / Dr Leyla GULER DVM, Dr Gulsen ORHAN DVM.</p> <p>d) Department of Microbiology & Immunology, Faculty of Veterinary Medicine, Ankara University Prof Dr Mehmet AKAN (mehmetakan@veteriner.ankara.edu.tr)</p> <p>e) Department of Microbiology & Immunology, Faculty of Veterinary Medicine, Ankara University Doc Dr Mustafa Hasoksuz (hasoksuz@istanbul.edu.tr)</p> <p>f) Department of Virology, and Department of Microbiology, Faculty of Veterinary Medicine, Firat University Prof Dr Yusuf BOLAT, Doc Dr Aykut Ozdarendeli (.....@firat.edu.tr)</p> <p>g) Small and Medium Sized Enterprise (SME) : Poultry (Meat / Egg) Production Companies in Turkey, BOLCA H_ND_ (Bolu), BANVIT (Balıkesir), AZ_M (Konya), and Vetal Vaccine Production Company (vetal@vetal.com.tr, web page: http://www.vetal.com.tr Adiyaman)</p>
	Research, training

Expectations

Term commitment:	Medium (1 - 3 years)
Expected results for your organisation:	prevention from avian influenza and vaccine production, improved diagnostic techniques Collaboration with other universities and research institutes with similar or complementary research interests and the participation in European Programmes.