



**Personal information**

First name(s) / Surname(s) **Marina Spinu**  
 Address(es) No.3-5, Str. Manastur, 400372, Cluj-Napoca, Romania  
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 E-mail marina.spinu@gmail.com  
 Nationality Romanian  
 Date of birth 12 April 1958  
 Gender female

**Desired employment /  
Occupational field** **veterinary medicine**

**Work experience**

Dates 1998-2009  
 Occupation or position held professor  
 Main activities and responsibilities Teaching responsibilities within the Department of Infectious diseases (lectures, clinical and laboratory activities) with undergraduate, master and doctoral students, PhD advisor, Research- submission of research proposals in the field of infectious diseases of farmed animals and wildlife (surveillance, diagnosis, control), immunology, welfare and connective fields; director or team member of research grants  
 Peer reviewing research grants on behalf of the national Council of research and Innovation  
 Contributing to elaboration of developmental strategies of the Faculty as a Chancellor, member of the Faculty Board and University Senate  
 Consultant/trainer for private farmers in matters concerning infectious diseases (surveillance, diagnosis, control) of bovine, swine, sheep and goats, chickens  
 Name and address of employer USAMV FMV, Calea Manastur 3-5 Cluj Napoca Romania 600372  
 Type of business or sector Governmental  
 Dates 1995-1998  
 Occupation or position held Senior lecturer

Main activities and responsibilities	Teaching responsibilities within the Department of Infectious diseases (lectures, clinical and laboratory activities) with undergraduate and master students, Research- submission of research proposals in the field of infectious diseases of farmed animals and wildlife (surveillance, diagnosis, control), immunology or connective fields; director or team member of research grants Peer reviewing research grants on behalf of the national Romanian Council of research and innovation Contributing to elaboration of educational programs of the Faculty as a Chancellor, member of the Faculty Board and University Senate Consultant/trainer for private farmers in matters concerning infectious diseases (surveillance, diagnosis, control) of bovine, swine, sheep and goats, chickens
Name and address of employer	USAMV FMV, Calea Manastur 3-5 Cluj Napoca Romania 600372
Type of business or sector	Governmental
Dates	1992-1995
Occupation or position held	Lecturer
Main activities and responsibilities	Teaching responsibilities within the Department of Infectious diseases (lectures, clinical and laboratory activities) with undergraduate vet students and students of the Veterinary College (technicians) Team member in research grants, contributing to submission of research proposals in the field of infectious diseases of farmed animals, immunology or connective fields
Name and address of employer	USAMV FMV, Calea Manastur 3-5 Cluj Napoca Romania 600372
Type of business or sector	Governmental
Dates	1985-1992
Occupation or position held	assistant
Main activities and responsibilities	Teaching responsibilities within the Department of Infectious diseases (clinical and laboratory activities) Memeber in research teams of research grants
Name and address of employer	USAMV FMV, Calea Manastur 3-5 Cluj Napoca Romania 600372
Type of business or sector	Governmental
Dates	1984-1985
Occupation or position held	researcher - Immunology
Main activities and responsibilities	Researches in equine infectious anemia and bovine leucosis (improvement of laboratory diagnostic tests)
Name and address of employer	Pasteur Institute Bucharest, Cluj branch, Fac. of Vet. Sci., Str. Manastur No.3-5, Cluj-Napoca, Romania
Type of business or sector	Governmental
Dates	1982 – 1984
Occupation or position held	Field veterinarian
Main activities and responsibilities	Surveillance and prevention of transmissible diseases, diagnosis and therapy of various diseases in farmed and small animals, implementation of disease control measures in the field
Name and address of employer	Alba county Veterinary Direction, Ministry of Agriculture, Romania
Type of business or sector	Governmental
<b>Education and training</b>	
Dates	1990-1991
Title of qualification awarded	PhD
Principal subjects/occupational skills covered	Veterinary immunology
Name and type of organisation providing education and training	Romanian Academy of Agriculture and Forestry
Level in national or international classification	PhD
Dates	1997-2005
Title of qualification awarded	PhD
Principal subjects/occupational skills covered	Immune physiology

Name and type of organisation providing education and training	University Babes Bolyai Cluj-Napoca, Romania
Level in national or international classification	PhD
Dates	2008
Principal subjects/occupational skills covered	« Age- and administration route-dependent effects of certain vegetal extracts on the innate cell-mediated immune response in chickens»
Name and type of organisation providing education and training	Faculty of Veterinary Science, Department of Microbiology and Infectious diseases, Budapest, Hungary, financed by the Hungarian Academy of Sciences
Dates	2007
Principal subjects/occupational skills covered	« Age- and dose-dependent effects of certain vegetal extractions on the innate cell-mediated immune response in chickens»
Name and type of organisation providing education and training	OAI Institute for Animal Health, Debrecen, financed by the Hungarian Academy of Sciences
Dates	2005
Principal subjects/occupational skills covered	« Immunomodulating properties of Calendula officinalis and Echinacea angustifolia extractions in antigen primed hens»,
Name and type of organisation providing education and training	OAI Institute for Animal Health, Debrecen, financed by the Hungarian Academy of Sciences
Dates	2005
Principal subjects/occupational skills covered	«Age dependence of immune response to flea X. conformis in M. crassus»
Name and type of organisation providing education and training	Ramon Science Center, Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev
Dates	2004
Principal subjects/occupational skills covered	« Action mechanisms of immunomodulating vegetal extracts»
Name and type of organisation providing education and training	Szent Istvan University, Faculty of Veterinary Medicine, Budapest, financed by the Hungarian Academy of Sciences
Dates	2004
Principal subjects/occupational skills covered	«Immune response to fleas in wild desert rodents»
Name and type of organisation providing education and training	Ramon Science Center, Jacob Blaustein Institutes for Desert Research, Ben-Gurion University of the Negev ARI Fellow
Dates	September 1-5, 2003
Principal subjects/occupational skills covered	« Distance counselling in higher education»
Name and type of organisation providing education and training	Oberursel, Germany
Dates	1999
Principal subjects/occupational skills covered	"Epidemiology and European Community Veterinary Legislation",
Name and type of organisation providing education and training	Iasi, Romania within the framework of Tempus JEP 12425
Dates	1998
Principal subjects/occupational skills covered	"Community legislation in force. Veterinary regulations. Public health and environment protection"

Name and type of organisation providing education and training | Lisbon, Portugal

Dates | October 1998

Principal subjects/occupational skills covered | "Sustainable development of small zootechnical farms "

Name and type of organisation providing education and training | Little Rock, Arkansas, USA

Dates | September-October 1994

Principal subjects/occupational skills covered | "Small farm management for a sustainable agriculture"

Name and type of organisation providing education and training | Little Rock, Arkansas, USA

Dates | January-July 1992

Principal subjects/occupational skills covered | "Investigations of the immune system in hens under hot climate"

Name and type of organisation providing education and training | University Ben-Gurion, Beer-Sheva, Israel

Dates | April-May 1987

Principal subjects/occupational skills covered | Novelties in Immunology, University of Medical Sciences

Name and type of organisation providing education and training | Cluj-Napoca, Romania,

**Personal skills and competences**

Mother tongue(s) | **Romanian**

Other language(s)

Self-assessment

European level (\*)

**English**

**Russian**

**Hungarian**

**French**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user	C2	Proficient user
A2	Basic user	A2	Basic user	A1	Basic user	A1	Basic user	A1	Basic user

(\*) Common European Framework of Reference for Languages

Social skills and competences | Team work: I was part of numerous projects which involved team work and collaboration with other teams.  
 Communications: As a group and project leader I have very good communicating skills as these are necessary for a good management of the projects.  
 Intercultural skills: My work with foreign scientists dates for almost 20 years

Organisational skills and competences | Development and consolidation of management performances of university and SME employees, according to the objectives of these organisations within regional development, Cluj-Napoca, Romania, post graduate course Leonardo da Vinci program, 2004  
 1996- present - Member of the Professor's Council, FVM Cluj  
 2000- present - Chancellor, Faculty of Veterinary Medicine, Cluj-Napoca; Member of the University Senate, Cluj-Napoca  
 2000- 2008 County Board member of the Romanian College of Veterinarians  
 2002 - present Member of The Doctors' Council of the Hungarian Academy of Sciences

Technical skills and competences | EAEVE expert (European Ass. of Establishments for veterinary Education)-Clinical sciences, EFSA expert (European Food Safety Authority)

Computer skills and competences | Over - medium level of skills in Microsoft Office and Microsoft Windows

**Additional information****Published Books:**

1. Vasiu C., Spînu Marina - 1995 - Legislație și Deontologie Veterinară (Veterinary legislation and deontology), Editura Casa Cărții de Știință, Cluj
2. Spînu Marina - 1998 - Măsuri strategice de supraveghere, profilaxie și combatere a bolilor la animale (Strategic surveillance measures, prophylaxis and control of animal diseases), Editura Casa Cărții de Știință, Cluj
3. Spînu Marina - 1999 - Sistemul legislativ al Uniunii Europene, Regelementări veterinare (The legislative system of the EU: veterinary provisions), Editura Casa Cărții de Știință, Cluj
4. Ghergariu S., Pop A., Kadar L., Spînu Marina - 1999 - Manual de laborator clinic veterinar (Clinical laboratory manual), Editura ALL, București
5. Ghergariu S., Pop A., Kadar L., Spînu Marina - 2000 - Manual de laborator clinic veterinar (Clinical laboratory manual), Editura ALL, București
6. Spînu Marina - 2000 - Legislație veterinară (Veterinary legislation), Ed. Todesco, Cluj
7. Spînu Marina - 2001 - Reglementări legislative sanitare veterinare (Veterinary legal provisions), Ed. Todesco, Cluj
8. Brudașcă Gh.F., Spînu Marina - 2003 - Fauna de interes cinegetic, Vol.I - Vânatul cu pene (Fauna of interest for hunting: Vol.I Feathered game), Ed. Risoprint, Cluj
9. Brudașcă Gh.F., Spînu Marina - 2004 - Legislație sanitară veterinară (Veterinary legislation), Ed. Risoprint, Cluj
10. Editor Radu Moga-Mânzat - 2005 - Boli virotice și prionice ale animalelor (Viral and prionic diseases of animals) Ed. Brumar, Timișoara
11. Răpuntean Gh., Spînu Marina, Spînu O. - 1994 - Lucrări practice de Imunologie (Practicals in Immunology), Tipo Agronomia, Cluj
12. Spînu Marina, Dobrea V. - 1998 - Legislație veterinară, Îndrumător practic (Veterinary legislation: a practical textbook), Editura Casa Cărții de Știință, Cluj
13. Spînu Marina, Dobrea V. - 2000 - Îndrumător practic de legislație veterinară (Practical veterinary legislation), Ed. Todesco, Cluj
14. Spînu Marina, Dobrea V. - 2001 - Practicum de legislație veterinară internă și internațională (Internal and international veterinary legislation practicum), Ed. Todesco, Cluj
15. Șandru Carmen Dana, Spînu Marina, Brudașcă Gh.F. - Documente legislative sanitare veterinare interne și comunitare - 2004 - Ed. Risoprint, Cluj

**Research Projects:**

1. FP6 -6th Framework Programme of the European Union - Priority SPP/5.4.6, Porcine Circovirus Disease, Specific Support Action NMSACC-PCVD 518432 (prolonged 2009), participant
2. FP7- Cooperation Work Program: Food, Agriculture and Fisheries and Biotechnology: Novel technologies for surveillance of emerging and reemerging infections of wildlife, 2008-2012, associate partner (accepted), team leader
3. Influence of acclimation process on the immune system of Angora goats imported to NW Romania- National Council for Research and Inventions, 1995-1998, research team member
4. Studies on interrelations between antiviral and antibacterial reactivity in mink with Aleutian disease- National Council for Research and Inventions, 1998-1999, coordinator
5. In vivo and in vitro influence of several vegetal extractions on immune system in chickens- Ministry of Education and Research, 1998-2000, research team member
6. The use of in vitro systems as an alternative to in vivo tests on animals - 2000-2002, National Council for Research and Inventions, coordinator
7. Comparative evaluation of diagnostic methods in bovine and human tuberculosis. Estimation of bovine tuberculosis significance as a zoonotic risk factor - National Council for Research and Inventions, 200-2002, coordinator
8. Immuno-metabolic reactivity in antigen-primed chicken during alcoholic Calendula officinalis treatment - Ministry of Education and Research, 2003-2005, coordinator
9. Complex exploratory Research Project 100/2006 BIORADHIP, Composite biomaterials for radiotherapy and simultaneous hyperthermia, research team member
10. Complex exploratory Research Project ADEXPLANT 99/2006, director
11. National Research Council, code 874, Phylogenetic position influences the immunomodulating qualities of certain vegetal extractions in farmed herbivores, director, 2007-2008
12. National Research Council, code 1121, Quantitative and qualitative modelling of the interrelation cytokines-suspended avian cell cultures, 2006-2008
13. National Research Council, Complex Exploratory Research Project Arthropodes parasite in wild animals and their involvement in transmission of Lyme Disease: molecular and ecopidemiology, biology and development of new experimental models (team leader)

14. National Research Council, Exploratory Research Project PNII-ID - Antibacterial and regeneration stimulating character of phosphatic biomaterials, research team member
15. National Research Council, Exploratory Research Project PNII-ID -Studies on the influence of housing system and management practices on milking cows welfare, research team member
16. National Research Council, Cooperation Project - Program 4 - Phenotypic appreciation and genetic characterisation by means of molecular techniques of certain wildhog SUS SCROFA FERUS populations with the establishment of impact factors on the ecosystems within their areal to avoid the genetic vulnerability of the species

**Published Papers (selected):**

1. Spînu Marina , A. A. Degen, Dana Şandru , F.Brudaşcă – 2003 - Differences to antigen priming in humoral immune responses of Awassi sheep and Bedouin goats, Buletinul USAMV-CN,60/2003-09-18, p.231
2. Spînu Marina , A. A. Degen, F.Brudaşcă , Dana Şandru – 2003 - Food and water deprivation stress in hens influence total Ig concentrations after antigen priming depending on the breed Buletinul USAMV-CN,60/2003-09-18, p.332
3. Spînu Marina, Brudaşcă F., Giurgea Rodica, Opreş Anca - 2003 - Activitatea antibacteriană a serului sanguin de la pui cu micoplasmoză în relație cu nivelele imunoglobulinelor serice și ale complexelor imune circulante (CIC) Vol. SNBC
4. Spînu Marina, Brudaşcă F., Giurgea Rodica, Sandru Dana - 2003 - Evaluarea capacității de complexare a anticorpilor anti-micoplasma in varianta clasică și modificată a RAR și RAL, Vol. SNBC
5. Spînu Marina, Degen A. - 1993 - Effect of cold stress on performance and immune responses of Bedouin and White Leghorn hens. British Poultry Science, nr. 1., vol. 34, p. 177.
6. Spînu Marina, Degen A., Rosenstrauch A. - 1993 - Effect of warm drinking water on the performance and immunological responses of broiler hens raised at low air temperatures, British Poultry Science, vol. 34, p. 353-358.
7. Spînu Marina, Dobrea V., Brudaşcă Gh.F., Vasiu A., Opreş Anca – 1999 - Modificări ale indicilor de blastizare celulară in vitro sub influența unor extracte alcoolice vegetale la păsări – Bul Soc. Naționale de Biol.Cel., nr.27, iunie 1999, 168.
8. Spînu Marina, Giurgea Rodica –1999 – Efectele administrării extractelor alcoolice de Calendula officinalis și Echinacea angustifolia asupra unor indicatori ai metabolismului celular al organelor imunocompetente la puii de găină - Bul Soc. Naționale de Biol.Cel., nr.27, iunie 1999, 167.
9. Spînu Marina, Morar R., Brudaşcă F., Târta Felicia – 2003 - Dinamica răspunsului anti-grefă comparativ cu cea a imunoglobulinelor circulante, după tratamentul diferențiat cu Polivitarom la iepuri Vol. SNBC 2003
10. Spînu Marina, Opreş Anca, Şandru Carmen, Pop Maria – 2003 - Acțiunea extractului de propolis in vivo asupra unor efectori imuni la puii de găină stimulați antigenic, Vol. SNBC
11. Spînu Marina, Pop Carmen Monica, Brudaşcă F., Anca Opreş, Şandru Carmen – 2003 – Human type M. tuberculosis expresses increased immunopathogenic effects in Guinea pigs after corticosteroid treatment, European Respiratory Journal, vol.22, supplement 45, p.397
12. Spînu Marina, Pop M., Vasiu C., Brudaşcă Gh. F., Dobrea V., Boldizsar E., Dumitru C. - 1995 - Effects of adaption stress on lymphocyte blast transformation test in Angora goats, African Small Ruminant Network Newsletter, p.5
13. Spînu Marina, Rodica Giurgea – 1999 – Efectele administrării extractelor alcoolice de C.officinalis și E.angustifolia asupra unor indicatori ai metabolismului celular al organelor imunocompetente la puii de găină, Bul.Soc. Nat.de Biologie Celulară, 10-11 iun., Constanța, p.167
14. Spînu Marina, S.Beneveste, A.A. Degen – 2003 – Effect of density and season on stress and behaviour in broiler breeder hens, British Poultry Science, Vol.44, No.2, pp.170-174
15. Spînu Marina, Vasiu C., Pop M., Brudaşcă Gh. F., Dobrea V., Dumitru C., Boldizsar E. - 1995 - Paraspecific immune parameters in Angora goats adapted to different environments, African Small Ruminant Network Newsletter, p.8
16. Spînu, Marina, O. Spînu and A. A. Degen (1999). Haematological and immunological variables in a domesticated and wild subspecies of ostrich (*Struthio camelus*), British Poultry Science 40:613-618.
17. Spînu M; Benveneste S; Degen AA. Effect of density and season on stress and behaviour in broiler breeder hens .Source: BRITISH POULTRY SCIENCE Volume: 44 Issue: 2 Pages: 170-174 DOI: 10.1080/00071660301948

**Annexes**

18. Khokhlova IS; Spinu M; Krasnov BR; et al. Immune response to fleas in a wild desert rodent: effect of parasite species, parasite burden, sex of host and host parasitological experience JOURNAL OF EXPERIMENTAL BIOLOGY Volume: 207 Issue: 16 Pages: 2725-2733 DOI: 10.1242/jeb.01090
19. Spînu Marina, Pop Carmen Monica, Brudaşcă F., Anca Opreş, Şandru Carmen. Human type M. tuberculosis expresses increased immunopathogenic effects in Guinea pigs after corticosteroid treatment, European Respiratory Journal, vol.22, supplement 45, p.397
20. Brudaşcă F., Spînu Marina, Pop Carmen Monica, Opreş Anca. Evaluation of diagnostic value of leukocyte migration inhibition test in experimentally infected Guinea pigs and naturally infected bovine, European Respiratory Journal, vol.22, supplement 45, p.340
21. Khokhlova IS; Spinu M; Krasnov BR; et al. Immune responses to fleas in two rodent species differing in natural prevalence of infestation and diversity of flea assemblages PARASITOLOGY RESEARCH Volume: 94 Issue: 4 Pages: 304-311 DOI: 10.1007/s00436-004-1215-4
22. Simon V.; Spinu M.; Stefan R. Structure and dissolution investigation of calcium-bismuth-borate glasses and vitroceramics containing silver JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE Volume: 18 Issue: 3 Pages: 507-512
23. Cadar D, Cságola A, Dán A, Deim Z, Spînu M, Miclăuş V, Kőbölkuti L, Czirják G, Tuboly T. Porcine circovirus type 2 and associated diseases in Romania ACTA VETERINARIA HUNGARICA Volume: 55 Issue: 1 Pages: 151-156
24. Niculae M.; M Spinu; Sandru D.; et al. Lamiaceae essential oils and alcoholic extracts and their effects on zoonotic multi rug-resistant bacteria PLANTA MEDICA Volume: 75 Issue: 9 Pages: 1051-1052
25. Niculae M.; Spinu M.; Sandru C.; et al. The bioactivity of herbal essential oils and ethanol extracts against Escherichia coli of animal origin PLANTA MEDICA Volume: 76 Issue: 12 Pages: 1322-1322
26. Cadar Daniel; Csagola Attila; Spinu Marina; et al. Prevalence of porcine circoviruses in Transylvanian wild boars, detected by real-time PCR ACTA VETERINARIA HUNGARICA Volume: 58 Issue: 4 Pages: 475-481
27. Niculae M.; Spinu M.; Rindt K. I; et al. In vitro antimicrobial efficacy of honeydew honey and Calendula officinalis L. against Pseudomonas aeruginosa PLANTA MEDICA Volume: 77 Issue: 12 Pages: 1458-1458
28. Kiss T, Cadar D, Krupaci AF, Bordeanu A, Brudaşcă GF, Mihalca AD, Mircean V, Gliga L, Dumitrache MO, Spînu M. Serological Reactivity to Borrelia burgdorferi Sensus Lato in Dogs and Horses from Distinct Areas in Romania VECTOR-BORNE AND ZOONOTIC DISEASES Volume: 11 Issue: 9 Pages: 1259-1262
29. Cadar D, Cságola A, Lorincz M, Tombácz K, Kiss T, Spînu M, Tuboly T. Genetic detection and analysis of porcine bocavirus type 1 (PoBoV1) in European wild boar (Sus scrofa) Virus Genes. 2011 Dec;43(3):376-9
30. Cadar D, Cságola A, Lórinicz M, Tombácz K, Spînu M, Tuboly T. Distribution and genetic diversity of porcine hokovirus in wild boars. Archives of Virology. DOI 10.1007/s00705-011-1125-6

Prof. Dr. M. Spînu  
