



## Curriculum vitae Europass

### Personal informations

Name / Surname

**Cernea Mihai Sorin**

### Occupational field

### Education and training

### Didactic degree / scientific title

University professor / Doctor of veterinary medicine

### Name and address of employer

University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca, Faculty of Veterinary Medicine, Str. Mănăştur Nr.3-5, 400372 Cluj-Napoca, România

### Didactic activity

Course holder of:

- Pharmacology and Pharmacy1
- Pharmacology and Pharmacy 2
- Therapeutics
- Veterinary Management and Marketing

Study program in Romanian and English language,  
Department of Clinical and Paraclinical Sciences, Faculty of Veterinary Medicine,  
USAMV Cluj-Napoca

### Occupation or position held

Course owner / Discipline coordinator

### Education and Training

#### Studies

- Liceul Industrial Nr. 7, Cluj Napoca, High school diploma (1980-1984)
- Faculty of Veterinary Medicine Cluj-Napoca, USAMV Cluj-Napoca, Bachelor's degree (1986-1991)
- Master's degree – specialization " Morphopathological and laboratory diagnostic (2002-2004)
- Graduation certificate of the Department for the training of teaching staff (2004)
- Doctorate in Veterinary Medicine (2003-2006)
- Habilitation thesis, habilitation certificate (2022)

#### Specializations and qualifications

- International training courses (no. 16) in the field of infectious and parasitic diseases in animals, pharmacology, management, marketing and European veterinary legislation, 1994-2002
- Socrates-Erasmus doctoral training course, Universidade Tecnica de Lisboa – Faculdade de Medicina Veterinaria, 2004
- Training internship at Universidade Tecnica de Lisboa – Faculdade de Medicina Veterinaria, 2007
- Internship at University Of Copenhagen - Faculty Of Life Sciences - International Equine Parasite Drug Resistance, 2008
- Internship at Universidade Tecnica de Lisboa – Faculdade de Medicina Veterinaria, CIISA, 2008 and 2009

### Professional experience

**Period / Function or position held / Name of employer**

- S.C. Agroindustrială Batoș S.A., Mureș County, Romania, veterinary epizootologist, November 1991 to November 1992
- C.S.V. Ciuruleasa, Alba County, Romania; head of the veterinary health district, November 1992 to January 1994;
- SC Provet Consulting s.r.l., Director, veterinarian, February 1994 to September 2003;
- USAMV Cluj, assistant professor, Pharmacology and Pharmacy Discipline; Veterinary Management and Marketing, October 2003 to January 2005;
- USAMV Cluj, lecturer, Discipline responsible, Pharmacology and Pharmacy Discipline; Therapeutics (2013); Veterinary Management and Marketing, January 2005 to February 2015;
- USAMV Cluj, USAMV Cluj, associate professor, discipline coordinator, Pharmacology and Pharmacy Discipline; Therapeutics; Veterinary Management and Marketing, February 2015 -2022
- USAMV Cluj, professor, discipline coordinator, Pharmacology and Pharmacy Discipline; Therapeutics; Veterinary Management and Marketing, October 2022- to date
- Member of the Council of the Faculty of Veterinary Medicine, USAMV Cluj-Napoca 2020-2024; 2024 - to date
- Vice Director of the Department of Clinical and Paraclinical Sciences, from 2020 to the present

**Research and development projects**

**Director / responsible**

- UEFISCDI NR. 131PED/2025; Program 5.7 - Partnership for Innovation Subprogram 5.7.1 - Partnerships for Competitiveness Demonstrative experimental project; Versatile in vitro system for testing anthelmintic resistance in soil-transmitted zoonotic nematodes in companion animals, Period 2025-2027, value 226609 RON
- SERODOPA THERAPEUTICS, INC Address: 747 SW 2nd Avenue, IMB 41, Suite 342 Gainesville, Florida 32601, United States of America. Federal ID number 82-3084436. Comparative analysis according to doses, ratio and sex, of the antagonistic effect of Naloxone, Nalbuphine and Yohimbine in rats treated with overdose of Fentanyl and Xylazine. Project Manager - Cernea Mihai. NR. 31371/07.12.2023. Period 2024-2025, 45994 USDollars
- SERODOPA THERAPEUTICS, INC Address: 747 SW 2nd Avenue, IMB 41, Suite 342 Gainesville, Florida 32601, United States of America. Federal ID number 82-3084436. Comparative efficacy of three opioid antagonist substances in rats treated with supratherapeutic doses of Fentanyl. Project Manager - Cernea Mihai. NR. 8203/20.05.2020. Period 2020, 20100 USDollars
- SERODOPA THERAPEUTICS, INC Address: 747 SW 2nd Avenue, IMB 41, Suite 342 Gainesville, Florida 32601, United States of America. Federal ID number 82-3084436. Comparative evaluation depending on dose, ratio and sex, of the antagonistic and antinociceptive effect of Naloxone and Nalbuphine in rats treated with Fentanyl. Project Manager - Cernea Mihai. NR. 3399/01.03.2021. Period 2021, 15015 USDollars
- Proiect PN II, Idei, cod ID 58, NR. 412 / 2007 - The implementation of biomathematical models for monitoring and predicting the chemoresistance of digestive strongyles and therapeutic alternatives without polluting components. Project Manager - Mihai Cernea period 2007-2010, 496.339 lei RON
- Microbiome Labs Physicians Exclusive, LLC. 101 E Town Place, Suite 210 Saint Augustine, FL 32092, a Wyoming Limited Liability Company, USA. Evaluation of the effect of a probiotic product with sporulated bacilli on endotoxemia in dogs with intestinal dysbiosis - pilot study. Scientific manager - Mihai Cernea. Nr 30130/ 18.12.2018. Period 2018-2019. 9752 EURO

## Member of the research team

- Proiect CNCSIS de tip E, Director Prof. Dr. Vasile Cozma, cod 211, 2004 - dezvoltarea unui laborator destinat purificarii de antigene parazitare utilizabile in imunoprofilaxia si imunodiagnosticul parazitozelor majore la animale
- Proiect CNCSIS de tip A, Nr contract 33372/28.06.2004; 43726/18.11.2004, Director Grand - Prof. Dr. Vasile Cozma, Cod CNCSIS: 756, 2004-2006 - Cercetări privind diagnosticul, epidemiologia și controlul hidatidozei-echinococozei la animale, in nord vestul și centrul Romaniei
- Proiect CNCSIS de tip A, Tema 3, Cod CNCSIS: 1124, Director Proiect: Sef lucrări Dr. Cristina Cernea, 2006-2008 - Alternative ale tratamentelor antiparazitare la animale, prin utilizarea extractelor din plante provenite din flora Romaniei
- Proiect CEEX, CORINT (Modulul III), Nr contract - 105/2006, Director Prof. Dr. Ioan Marcus, 2006-2008 - The promotion of an integrated approach with respect to the compared cellular and tissue pathology researchs for the adjustment of the local thematics to the European standards (acronim: PATHCERO)
- Proiect CEEX, Tipul de proiect – VIASAN, Nr. contract 185/2006, Director: Prof. Dr. Vasile Andreica, UMF Iuliu Hațieganu Cluj-Napoca, Responsabil USAMV Cluj-Napoca: Prof Dr. Cornel Cătoi, 2006-2008 - Infecția cu Helicobacter pylori la om și animale - posibilități de transmitere a infecției, implicații în patologia umană și veterinară, tipizarea tulpinilor bacteriene, testarea rezistenței la antibiotice (HELICOPAT- EPID)
- Proiect PN II, Capacități, Prof. Dr. Cătoi Cornel USAMV, FMV Cluj, 2007-2009 - Dezvoltarea capacității de cercetare și de expertiză a laboratorului de medicină legală veterinară prin modernizare tehnică și metodologică; acreditarea laboratorului – MELVET
- Proiect PN II, Nr. 61-002/2007, Director Prof Dr. Marcus Ioan, USAMV Cluj-Napoca, 2007-2010 - The obtaining and characterization of new target-nanomedicines with naphtoquinonic active substances
- Proiect PN II, Nr. 52105/2008, Director proiect: Prof. univ. dr. ing. Oroian Teofil, 2008-2011 - Aprecierea fenotipică și caracterizarea genetică prin tehnici moleculare a unor populații de mistreți Sus scrofa ferus cu stabilirea factorilor de impact asupra ecosistemelor din areal, pentru evitarea vulnerabilității genetice a speciei
- CONTRACT DE CERCETARE, nr. 16199/16.12.2012 - Compania Romvac - Expert științific - Mihai Cernea. Testarea clinică și preclinică a produsului Romvac Parakill - suspensie antiparazitară, perioada 2010, valoare 5300 RON
- CONTRACT DE CERCETARE, nr. 16198/16.12.2012 - Compania Romvac - Expert științific - Mihai Cernea. Testarea clinică și preclinică a produsului Romvac Romoxibendazol 15% - pulbere, perioada 2010, valoare 5000 RON
- CONTRACT DE CERCETARE, nr. 16197/16.12.2012 - Compania Romvac - Expert științific - Mihai Cernea. Testarea clinică și preclinică a produsului Romvac Romoxibendazol 15% - comprimate perioada 2010, valoare 5000

**Main publications resulting from research projects**

- Mihai Cernea, Romeo T. Cristina, Laura C. Ștefănuț, Luís M. Madeira de Carvalho, Marian A. Taulescu and Vasile Cozma. Screening for anthelmintic resistance in equid strongyles (Nematoda) in Romania. *Folia Parasitologica*, 2015, 62: 023 doi: 10.14411/fp.2015.023
- Victoria Buza, Laura Cătană, Sanda Maria Andrei, Laura Cristina Ștefănuț, Ștefan Răileanu, Maria Cătălina Matei, Ion Vlasiuc, Mihai Cernea In vitro anthelmintic activity assessment of six medicinal plant aqueous extracts against donkey strongyles. *Journal of Helminthology*, 2020, 94, e147, 1–7. <https://doi.org/10.1017/S0022149X20000310>.
- Maria-Catalina Matei; Sanda Maria Andrei; Victoria Buza; Mihai Sorin Cernea; Daria Antonia Dumitras; Daniela Neagu; Horatiu Rafa; Cristian Paul Popovici; Andrei Radu Szakacs; Adrian Catinean; Eugen Stefanut; Laura Cristina Stefanut. Natural Endotoxemia in Dogs—A Hidden Condition That Can Be Treated with a Potential Probiotic Containing *Bacillus subtilis*, *Bacillus licheniformis* and *Pediococcus acidilactici* : A Study Model. *Animals* 2021, Volume 11, Issue 5, 1367. <https://doi.org/10.3390/ani11051367>
- Michael Voronkov, Georgiy Nikonov, Janna Ataiants, Levon Isakulyan, Cristina Stefanut, Mihai Cernea, John Abernethy. Modifying naloxone to reverse fentanyl-induced overdose. *International Journal of Pharmaceutics* 611 (2022) 121326
- Maria-Cătălina Matei , Sanda Andrei, Victoria Buza, Mihai Cernea\*, Daria Antonia Dumitraș, Daniela Neagu, Horațiu Rafa, Cristian Paul Popovici, Raluca Pop, Adrian Căținean, Eugen Ștefănuț, Laura Cristina Ștefănuț. Evaluation Of Endotoxemia, Soluble Cd14 And Il-1β In Dogs With Intestinal Dysbiosis That Were Treated With Probiotics: A Prospective Study. *FARMACIA*, (2021), Vol. 69, 6. pp 1153-1158
- Mihai Cernea, Luís M. Madeira de Carvalho, Vasile Cozma, Laura Cernea Cristina, Ștefan Răileanu, Radu Silberg, Adrian Gut . Atlas de Diagnostic al Strongilidozelor la Ecvine / Atlas of Diagnosis of Equine Strongylidosis / Atlas de Diagnóstico da Estrongilidose Equina. Ed. AcademicPres, Cluj-Napoca. ISBN 978-973-744-127-0
- Mihai Cernea. Chimiorezistența în strongilidoze la ecvine, 2007, Ed. Risoprint, Cluj-Napoca, ISBN: 978-973-751-497-4

**Scientific and didactic activity**

**Invited presentations in the plenary of national and international scientific events and guest professor**

- Universidade Técnica de Lisboa, Faculdade de Medicina Veterinária, 2007
- Congres AMVAC/RoSAVA, 2010
- Congres AMVAC/ RoSAVA, 2012
- Universidade Técnica de Lisboa, Faculdade de Medicina Veterinária - Seminario de CIISA , 2008
- European Multicolloquium of Parasitology XI, USAMV Cluj, 2012
- "Anti-microbial resistance –Urgent need to act in human and veterinary medicine" on Wednesday, 22 April 2015 from 14.30 until 16.30 in the European Parliament in room A3E-2
- AMSV - 2nd Swine Day Romania 25 -26 October 2019 - Cluj-Napoca, ROMANIA
- Cursuri de pregătire continua AGMVR/CMVRO „Medicamente de uz veterinar: „Legislație europeană, perioada de așteptare, consecințe pentru sănătatea publică”, 2014
- Cursuri de pregătire continua AGMVR/CMVRO „circulația și utilizarea produselor medicinale veterinare ”, 2012
- Cursuri de pregătire continua AGMVR/CMVRO „Utilizarea antibioticelor la animalele de fermă și fenomenul antibioretistență”, 2016
- Cursuri de pregătire continua AGMVR/CMVRO „Legislația substanțelor și produselor stupefiante și psihotrope în medicina veterinară (2021)
- ISI articles: 17 of which 10 as first author / corresponding / senior author.
- ISI proceeding articles: 8, of which 3 as first author.
- BDI articles: 95, of which 25 as first author and 70 co-author.

**Published scientific papers**

**Books / didactic manuals / laboratory guides published**

**Citations in ISI and BDI journals**

**Coordinator / supervisor of undergraduate and dissertation theses**

**Awards achieved**

**Membership in scientific societies / member on the board of some professional and scientific societies / member on the board of some journals**

**Foreign language**

**Other competencies**

- Books and chapters in specialized books: 5 of which 1 at an international publisher and 4 as first author at national publishers.
- Didactic manuals/monographs: 5 of which 5 as first author
- Laboratory guidelines: 5 of which 1 as first author and 4 as co-author
- În reviste ISI = 115
- În reviste BDI = 78
- 82 undergraduate theses
- 7 dissertation theses
- Premiul Traian Savulescu - Atlas de Diagnostic al Strongilidozelor la Ecvine / Atlas of Diagnosis of Equine Strongylidosis / Atlas de Diagnóstico da Estrongilidose Equina. autori M. Cernea, L. M. Madeira de Carvalho și V. CozmaEd. AcademicPres, Cluj-Napoca. ISBN: 978-973-751-497-4
- Premiul Ioan Adamesteanu - Atlas de Diagnostic al Strongilidozelor la Ecvine / Atlas of Diagnosis of Equine Strongylidosis / Atlas de Diagnóstico da Estrongilidose Equina., autori M. Cernea, L. M. Madeira de Carvalho și V. Cozma, apărută în Editura Academic Pres, 2008
- Premiul - Profesor Bologna - Editia a IV - a 2011
- Premiul - "Prof. Dr. Eugen Muresan" 2010
- Premiul - Sef de lucrari al anului 2007-2008
- General Association of Veterinarians from Romania, since 1993
- College of Veterinarians from Romania, since 1998
- Romanian Society of Cell Biology, since 2017
- Reviewer Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Veterinary Medicine series
- Reviewer Acta parasitologica IF= 1,440 (2020)
- Member of the scientific team and peer review - Veterinary medicine - [http://ro.veterinarypharmacon.com/page/descarca\\_revista/110](http://ro.veterinarypharmacon.com/page/descarca_revista/110)
- Reviewer Scientia Parasitologica, Cluj-Napoca, Scientia Parasitologica Pro Vita Foundation in Cluj-Napoca, Romania

**English (language certificate with international recognition, level B2, no. 725 of 16.09.2020)**

Comprehension		Speech		Writing
Listening	Reading	Conversation	Oral speech	Written expression
B2	B2	B2	B2	B2

- Quality Enhancement Through Skills Training – the Zenger Miller course completed with the Achieving Sales Excellence diploma
- Director of the Pharmacovigilance Laboratory within FMV, from 2011 until now

21.04.2026  
Cluj-Napoca

Cernea Mihai Sorin