

CURRICULUM VITAE



LUIZA SPIRU, MD, PhD

- Marital status: Married, two children
- Nationality: ROMANIAN
- Place and date of Birth: Constanta–ROMANIA, 05.08.1962
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EDUCATION

- 1981-1987 - Faculty of Medicine, “Carol Davila” University of Medicine and Pharmacy Bucharest,
- 1987 - M.D., Thesis: “Procaine effects on plasmalemmal Ca²⁺ pump in human erythrocytes”
- 1997 - Ph.D., Thesis: “Leukocyte surface alterations in senescence”.
- 1998 - Second PhD, Thesis: Apoptosis of Alzheimer Disease -
- 1998 -1999 – Gerontopsychiatry Specialisation, Toulouse France, Day Hospital for Memory Impairment Diseases, Prof. Bruno Vellas, PJ Ousset
- 2000 - Gerontopsychiatry, National Center of Postuniversity Improvement of MDs, Health Ministry, Romania
- 2003 - Leadership Management International, MBA-LMI, Waco Texas,
- 2004 –Romanian College of Security and Defence

PROFESSIONAL COMPETENCES

- Grant in Cell Biology, Neuro-Psycho-Pharmacology, Cadiz UMF, Spain. 1992;
- Heart Ultrasonography, UMF “Carol Davila”, 1996
- Cardiology emergencies, UMF “Carol Davila”, 1996
- Grant, IT in medical services, Tempus Phare, Greece, 1997
- Grant in Geronto-Psychiatry, Tempus Phare, Geriatric Dpt, Karolinska Institute, Sweden, 1998
- General Ultrasonography, UMF “Carol Davila”, 1998
- Obstetrics – Gynecology – UMF “Carol Davila”, 1999
- Geriatry/Gerontologics – Actualities in Diagnosis Evaluation and Treatment of the Elders, UMF “Carol Davila”, 2000
- CEM in Memory Impairment, Washington DC 2000;
- Grant Tempus Phare in Memory Impairment, Geronto-Psychiatry, Geriatry, Dpt. Of Internal Medicine and Clinic Gerontology, Alzheimer’s disease Dpt., Toulouse Hospital, 2000
- Grant Tempus Phare in Geronto-Psychiatry, KASPAC, Neurotec, Suedia, 2000
- Geriatry/Gerontology – Standardised Geriatric Evaluation, UMF “Carol Davila”, 2001
- Physio-kineto-therapy – Laser biostimulation, UMF “Carol Davila”, 2001
- Medical Rehabilitation, UMF “Carol Davila”, 2001
- CME – Bucharest Medical Physician College 2002
- Geriatry/Gerontology – Differential Diagnosis of Alzheimer Dementia - UMF “Carol Davila”, 2002
- Grant in Geriatrics, International Institute on Aging, United Nations – Malta, INIA, 2002
- Health Services Management, UMF „Carol Davila” 2003
- CME in Memory Impairment, Philadelphia, 2004

SUMMARY OF QUALIFICATIONS

- 1994 - Physician, Internal Medicine and Geriatrics, "Ana Aslan" National Institute of Geriatrics and Gerontology
- 1990 - Assistant Professor of Cell Biology and Histology, Bucharest "Carol Davila" University of Medicine and Pharmacy
- 1998- Geriatric and Gerontology specialist
- 1999- Senior Physician in Internal Medicine
- 2000- Senior Physician in Geriatrics
- 2000- Associate Professor in Geriatrics and Gerontology, Nephrology and Internal Medicine, UMF "Victor Babes" Timisoara, Romania
- 2002- Gerontopsychiatrist

WORK EXPERIENCE

- 1992 - PhD FELLOW, Laboratory of Electron Microscopy, Department of Cell Biology, Faculty of Medicine, University of Cadiz, Spain
- 1998-1999 – Neuropsychological evaluation for organic demencias (France – Alzheimer Center, Toulouse)
- 1998 – Contractor & Legal Administrator of the S-JEP 12507, Tempus Phare ROMGER, coordinated by "Carol Davila" University of Medicine & Pharmacy for Academic recognition of Romanian Geriatric specialisation and creating an University College of Geriatrics & Gerontology
- 1998 – Training in TAE Psychology and gerontopsychiatry of cognitive decline, Karolinska Institute, Sweden, Ref: Prof. Bengt Winblad, MD, PhD, Prof. Ove Almkvist, Md, PhD
- 1999 - Clinical Investigator for Alzheimer research in the European Study (SANOFI-Sintelabo Recherche)
- 1999, 2000, 2001 – Organizer of the Romanian National Conference of Geriatrics
- 1999 - International Evaluator in Alzheimer Dementia and other related disorders
- 1999 – 2003 - Head of "Ana Aslan" University Geriatrics Department in "Ana Aslan" National Institute of Geriatrics & Gerontology
- 2000 - Editor of the first instrument for Romania of clinical diagnosis in Alzheimer Disease- "Clinical tests in Alzheimer Disease"
- 2000 – Editor of the Romanian Geriatric Treatise
- 2000 – Coordinator for Romania of the European Community, 5th Framework: ICTUS (Impact of Cholinergic Treatment Use) - **QLK6-CT-2002-02645**, DESCRIPA (Development of screening guidelines and diagnostic criteria for predementia Alzheimer's disease) - **QLK6-CT-2002-02645**, EADC (European Alzheimer's Disease Consortium) - **QLK6-CT-2001-30003**.
- 2000- Head of "Carol Davila" College of Geriatrics and Gerontology
- 2000- Editor "Brain Aging international Journal", English version
- 2000- Editor Book of Proceedings of Alzheimer's Disease and Related Disorders, Research Advances, for the American Alzheimer Association
- 2001- President "Ana Aslan" International Foundation
- 2001- Executive President "Ana Aslan" International Academy of Aging
- 2002 – Coordinator of the First Alzheimer Unit in Romania
- 2002 - Delegate Foreign Affairs Ministry to the Ministerial Conference of Aging, Berlin
- 2002 - Delegate Foreign Affairs Ministry to the Second World Assembly of Aging, Madrid,
- 2002 - Invited speaker of the Pharmaceutical Companies: Novartis Pharma, Pfizer, Lundbeck Export A/S, Sicomed
- 2002 – Director and host of the TV production "Doctor in Charged", Antena 1 TV
- 2002 – Manager ASLAN Anti-Aging Resort in Thailand

- 2003 - Head of the Gerontopsychiatry Department, "Elias" University Emergency Hospital
- 2003 – Organizer of the biannual International Conference of Brain Aging
- 2003 – Organizer of the annual International Training on Brain Aging
- 2003 - Editor "Brain Aging international Journal", Romanian version
- 2003 – Head of the Day Center for Diagnosis and Treatment of Memory Impairment - "Elias" University Emergency Hospital
- 2003 – Head of the External Department of Anti-Aging & Welbeing, Olanesti Geriatric Clinic
- 2003– Initiator of the National Program for Memory Impairment Diseases
- 2004 - Contractor Clinic Study Exelon, Novartis Pharma, no. 412/16.02.2004
- 2004 – Executive Vice-President of South-East European Countries Society of Brain Aging
- 2005 - Principal investigator - A Randomized Double Blind Placebo Controlled, Parallel Group Study Evaluating Paliperidone Palmitate in the Prevention of Recurrence in Subjects With Schizophrenia, Protocol R09270PSY3001
- 2005 – Head of the Residencial Hospital of Alzheimer's Disease and Memomory Impairment
- 2005 – 2007 – Organizer of the International Training for Trainers in Dementias in 3 Modules
- 2005 – Evaluator "Policy Aspects of Research & Sustainable Development" - European Commission
- 2006 – team leader and principal investigator of the EC project: K4CARE (Knowledge-Based Homecare eServices for an Ageing Europe), IST-2004-026968 FP6-CE
- 2006 – team leader and principal investigator of the EC project: SHARE-it (Supported Human Autonomy for Recovery and Enhancement of cognitive and motor abilities using information technologies) IST-2005-2.6.2 FP6-CE
- 2006 – investigator of Astra Zeneca Clinical Study ,A Multicenter,Randomized,Parallel-group,Double-Blind,Placebo-Controlled Phase 3 Study of Efficacy and Safety of Quetiapine Fumarate and Lithium as Monotherapy for up to 104 weeks Maintenance Treatment of Bipolar 1 Disorder in Adults Patients
- 2007 – team leader and principal investigator of the EC project: EADNI (European Alzheimer's Disease Neuroimaging Initiative)
- 2007 – Coordinator and principal investigator of the clinical study "Evaluation of safety and efficacy of Memantine in moderate to severe Vascular and Mixed Dementia", no FAA2001EBX1
- 2007 – organizer of the International Training Workshop on Memory Impairment: Prevention in Brain Aging; Bucharest: Parliament Palace, May 5 ;
- 2007 – organizer of the International Training Workshop on Memory Impairment: Depression & Dementia; Reviewed Short Diagnosis Instruments in Geronto-Neuropsychiatry; Actualities in Preventing and Treating the Memory Impairments; Bucharest, Infoturism, September 22

LANGUAGES

English, French, Spanish, Greek

PROFESSIONAL MEMBERSHIP

- European Society of cell Biology, 1992
- New York Academy of Sciences, 1994
- Romanian Geriatrics and Gerontology Foundation, 1992
- European Society for Electron Microscopy, 1993
- Romanian Society of Immunology, 1996
- European Alzheimer's Society, 1998
- Alzheimer Association, 1998
- Who's Who, 1999
- International Psychogeriatrics Association, 2001
- Who's Who Women, 2003
- South-East European Countries Society in Brain Aging, 2004
- The World Society of Anti-Aging Medicine, 2005
- European Organisation of Scientific Anti-Aging Medicine, 2005

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PUBLICATIONS

- Gerontology 1998, second edition, editors Ioan Romosan, Iosif A. Szucsik-Dinamis Print Timisoara;
- Gerontonefrology, Teora Publishing House – first author + Professors Dr. Romosan, A. Ciocalteu
- Gerontogastroenterology, Teora Publishing House – first author + Professors Romosan, Sinescu, Irinel Popescu
- Deleanu Roxana, Luiza Spiru, L. Nat: Analisis through flow citometry of Fibroblast-like Sinoviocytes in Rheumatoid Poliarthritis, National Medical Magazine, vol. II, no. 56, p. 94-97, 1999.
- Luiza Spiru, Bruno Vellas, Pierre Jean Ousset, "Observation Book for the Patients with Alzheimer Disease", First Edition, "Carol Davila" University of Medicine and Pharmacy Publishing House, 2000
- Luiza Spiru, Bruno Vellas, Pierre Jean Ousset, "Observation Book for the Patients with Alzheimer Disease", Second Edition, "Carol Davila" University of Medicine and Pharmacy Publishing House, 2000
- Luiza Spiru, Bruno Vellas, Pierre Jean Ousset, "Clinical Tests in Alzheimer Disease", 1st Edition, "Carol Davila" University of Medicine and Pharmacy Publishing House, 2001
- Luiza Spiru, Ioan Romosan, Geriatrics Treatise, Vol. I, Solness Publishing House, 2002
- Luiza Spiru, Ioan Romosan, Geriatrics Treatise, Vol. II, Solness Publishing House, 2002
- Luiza Spiru, National Program for the Memory Impairment Diseases and His Strategic Value Regarding the Alingment to the European and International Health Policy

ARTICLES

1. Procaine effect on Ca-Mg ATP-aza from red cell membrane L.M. Popescu, Luiza Spiru, M. Hinescu, I. Dinulescu, *Revue Roumaine de Biochimie*, 24 April-June 1987
2. Mechanism of neutrophil activation Cialacu V, Luiza Spiru, *Modern Medicine* 2,2, 87-90, 1995.
3. Differences between phospholipases C and D activities in human neutrophils. Cialăcu V, Luiza Spiru, M.I. Danila, I. R Deleanu, L.M Popescu, *Immunology Letters*, 55, 1-3, 117-118, 1997
4. Divalent ions and actin polymerization in human neutrophils M.I. Danila, V. Cialăcu, I. R. Deleanu, Luiza Spiru, L.M. Popescu – *Immunology Letters*, 55, 1-3 117, 1997
5. Phenotyping of Reumatoid Synovial Membrane Cells, Deleanu I. R., M.I. Danila, Luiza Spiru, V. Cialăcu, L. M. Popescu *Immunology Letters*, 56, 1-3, 1997
6. High blood pressure effect on geriatric patients.
7. Modifications of immunologic parameters in senescent population – Romanian Academy Magazine – under print
8. Variation of cognitive functions in hospitalized Alzheimer disease patients
9. Practical aspects of geronto-nephrology
10. Longitudinal Study on DA – L’annee gerontologique 2000
11. Luiza Spiru, *Controlling and Overcoming Brain Aging*, *Brain Aging International Journal*, Vol. 1, nr. 1(2002);
12. Luiza Spiru, B. Winblad, K. Iqbal, *Brain Aging International Journal*, *Editorial*, Vol. 1, nr. 2 / 2002;
13. Luiza Spiru, B. Vellas, P.J. Ousset, *Effects of Hospitalization on Cognitive Function, Activities of Daily Living Capacity and Behavior in Alzheimer’s Disease Patients: a Longitudinal Study*, *Brain Aging International Journal*, Vol. 1, nr. 1 (2002);
14. Luiza Spiru, B. Winblad, *Aging policies*, *Brain Aging International Journal*, Vol. 2, nr. 2 / 2003;
15. Luiza Spiru, S.I.Dragulescu, I. Romosan, I.A.Szucsik, M. Cocora, M. Gaspar, D. Maximov, *Carotid Endarterectomy in Elderly Patients. Surgical Experience in a Hospital-Based Study*, *Brain Aging International Journal*, Vol. 3, Nr. 4 (2003);
16. Luiza Spiru, *Editorial – Remarks on Aging and Senescence*, *Brain Aging International Journal*, Vol. 3, No 2, / 2003
17. Luiza Spiru, B. Winblad, K. Iqbal, *Why The First International Conference of Brain Aging?*, *Brain Aging International Journal*, Vol. 3, No 3, / 2003
18. Luiza Spiru, I. Romosan, *Cell Senescence and its Consequences in Nephrology*, *Brain Aging International Journal*, Vol. 3, No 4, 2003
19. Luiza Spiru, I. Romosan, C. Dascau, *Hypertension and Lifestyle Modifications in the Elderly*, *Brain Aging International Journal*, Vol. 4, No 1, 2004
20. Luiza Spiru, F. Cristescu, R. Dudau, P. Patrascu, *Prevalence of Co-Morbidities in Mild Cognitive Impairment (MCI)*, *Brain Aging International Journal*, Vol. 4, No 1 (2004);

COMMUNICATIONS

1. Signal mechanism in membrane cell, L.M Popescu, M. Hinescu, Luiza Spiru, C.M. Tigaret, second Conference on coloid and membranes, Cluj, 1988.
2. Phospholipase C – enzyme implicated in transmembrane signalisation L. M. Popescu, V. Athanasiu, I.I. Moraru, Luiza Spiru, C. Vidulescu – National Biochemistry Simposium, Bucharest, 1987.
3. Vasodilatator mechanism of heart vessels, extrusion pump of calcium, molecular effector – M.Hinescu, Musat, Constantinescu, M. Burghina, N. Ionescu, Luiza Spiru, I.I. Moraru, C.M. Tigaret, L.M. Popescu – The 7 th National Congress of Physiology, Bucharest 1987.
4. Extrusion pump of sarcolemal calcium, as functional modulator in smooth muscle vascularisation- M. Hinescu, S. Musat, S. Constantinescu, M. Burghina, Luiza Spiru, , N. Ionescu, I.I. Moraru, C.M. Tigaret, L.M. Popescu – The 7-th National Congress of Phisiology, Bucharest 1987.
5. Procaine action on red cell calcium pump, - M. Hinescu, Luiza Spiru, L. M. Popescu – Conference on drugs, Iasi, 1987.
6. Local anesthetics effect on calcium pump in old red cell membrane – Luiza Spiru, International Congress of Geriatrics- Gerontology, Bucharest Otopeni, 1990.
7. Considerations on calcium homeostasy. Procaine effects on calcium pumps from human red cell membrane. Consequences on cell aging – News in Neurophihopharmacology, Cadiz, 1992.
8. Immunohistochemical diagnosis of a case of secondary nephritic syndrome, R. Boaca, Luiza Spiru, I. R. Deleanu, M. I. Danila, V. Cialăcu, N. Ionescu – The 25 th National Conference of Immunology, Bucharest, 1996.
9. Featuring leucocytes populations from dental pulp, V. Cialăcu, A. Iliescu, Luiza Spiru, L.M. Popescu – The 25 th National Conference of Immunology, Bucharest, 1996.
10. Alterations of immunological parameters in elderly population, Luiza Spiru, V. Cialăcu, R. I. Deleanu, L. M. Popescu - The 25th National Conference of Immunology, Bucharest, 1996.
11. White cell phenotype from dental pulp, the 2nd Balcanic Simposium of flow citometry and images analysis, M. I. Danila, Luiza Spiru, I. R. Deleanu, V. Cialăcu, Becton Dickinson, Poiana Brasov, 1996.
12. Clinical-patogenical signification of monocit receptors for Fc fragment of Ig G molecule, in systemic eritematous lupus, Predeteanu D, R. Ionescu, E. Popescu, V. Cialăcu, Luiza Spiru, I. R. Deleanu – National Reumatology Conference with International Participation, Timisoara, 1997.
13. Sinoviocytes featuring in Rheumatoid Poliarthritis, Deleanu I.R, V. Cialăcu, Luiza Spiru, M.I. Danila, L. M. Popescu – The 26th National Conference of Immunology, Cluj, 1997
14. Variations of immune parameters in elderly population, Luiza Spiru, V. Cialăcu, M.I. Danila, I. R. Deleanu, n. Aloman, L.M. Popescu, Scientific communication session of Society of Cell Biology, Arad, 1997.
15. Human neutrophils activation through PLC and PLD, V. Cialăcu, Luiza Spiru, I.R. Deleanu, L.M Popescu - Scientific communication session of Society of Cell Biology, Arad, 1997.
16. Clinical patogenical signification of monocyte receptors for Fc fragment of Ig G molecule in systemic eritematous lupus, D. Predeteanu, R. Ionescu, E. Popescu, V. Cialăcu, Luiza Spiru, M. I. Danila – Natinal Conference of Reumatology with international participation, Timisoara, 1997.
17. Actine and divalent ions role in neutrophil phagocitation, M.I. Danila, V. Cialăcu, R.I. Deleanu, Luiza Spiru, L. M. Popescu – The 26th Natinal Conference of Immunology, Cluj, 1997.
18. PLC and PLD activation through different receptors in human neutrophils, V. Cialăcu, Luiza Spiru, M.I. Danila, I. R. Deleanu, L.M. Popescu – The 26th National Conference of Immunology, Cluj, 1997.
19. Cialăcu V, L. Spiru, I. R. Deleanu, L.M Popescu – Differences between Phospholipases C and D activities in Human Neutrophils, The 13rd European Congress of Immunology, Amsterdam, June, 1997

20. L. Spiru, V. Cialăcu, M.I Danila, I. R. Deleanu, N. Aloman, L.M Popescu – Variations of immune parameters in aged population, Scientific Communication Session of National Society of Cell Biology, Arad, June, 1997
21. Deleanu. I.R., V. Cialăcu, L. Spiru, M.I. Danilă, L.M. Popescu – Featuring sinoviocytes in Rheumatoid Poliartritis – The 26 th National Conference of Immunology, Cluj, October, 1997.
22. Sinoviocytes featuring in rheumatoid poliartritis, R. Deleanu, V. Cialăcu, Luiza Spiru, M.I. Danila, L.M. Popescu - The 26th National Conference of Immunology, Cluj, 1997.
23. Distribution of leucocyte antigens in aged population, Luiza Spiru, V. Cialăcu, M. I. Danila, L. M. Popescu – Becton Dickinson, Halkidiki, 1998
24. Ca and Mg intervention in polimerisation dynamic of actins in human monocites, M.I. Danila, Luiza Spiru, V. Cialăcu, L.M. Popescu, - The 27th National Conference of Immunology, Timisoara, 1998.
25. Results of a longitudinal study for DA patients and cognitive parameters variation (Caon-1999 September)
26. *Distribution of leucocyte antigens in aged population*, Becton Dickinson, Haldkidiki, 1998
27. *Apoptosis in Brain Stem Cells During Human Embryonic Period*, Mechanisms of Cell Death 2000, 3rd Symposium of the International Cell Death Society, 2000, Madrid, Spania
28. *Anti-Fas Mediated Apoptosis in Human Neuronal Cultures*, 3rd Balkan Congress of Immunology, 2001, Atena, Grecia
29. *Culture of Human Embryonic Neural Stem Cells*, 11th International Congress of Immunology, Stockholm, Sweden, 2001
30. *The Benefits of the Alzheimer Unit of “Ana Aslan” Geriatric Department*, 3rd Hellenic National Alzheimer Disease and Related Disorders Conference, 2003
31. *Prevalence of Co-Morbidities in Mild Cognitive Impairment (MCI)- A Romanian Descriptive Study*, 8th International Springfield / Montreal Symposium on Advances in Alzheimer Therapy, 2004, Montreal, Canada
32. *Differences between phospholipases C and D activities in human neutrophils*, 13th European Immunology Meeting, 1997, Amsterdam, Olanda
33. *Human Neural Stem Cells in Vitro*, FEBS Anvanced Course „From Differentiation to Death of Nerve Cells”, 2001, Grecia
34. *Prevalence of Co-Morbidities in Mild Cognitive Impairment (MCI)- A Romanian Descriptive Study*, The 9th International conference on Alzheimer’s Disease and Related Disorders, 2004, Philadelphia, USA
35. *The Influence of Co-morbidity Factors in a MCI Risk Sample and their Influence on the MCI-alzheimer’s Dementia Conversion*; 8th International Conference on AD/PD 2007, Salzburg, Austria, March 14 –18, 2007
36. *Mild Cognitive Impairment. Is there available treatment? Should it be given?* 1st World Congress on Controversies in Neurology, September 6-9, 2007, Berlin, Germany
37. INTERNATIONAL TRAINING ON MEMORY IMPAIRMENTS, Module I – *New Tendencies in Dementias, Diagnosis and their Therapeutic Approach*; Module II – *Positive Diagnosis of Depression in Elderly*; Module III – *Management and Pharmacoconomics of Dementias* – 2005-2006
38. INTERNATIONAL WORKSHOPS ON MEMORY IMPAIRMENTS, *A Holistic Approach of Brain Aging, Prevalence of the co-morbidities factors of MCI in Romania*, Bucharest, Parliament Palace, May 5, 2007
39. INTERNATIONAL WORKSHOPS ON MEMORY IMPAIRMENTS, *Actualities in preventing and treating the memory impairment diseases; New and Short Diagnosis Instruments in Geriatrics and Neuropsychiatry*; Bucharest, Infoturism, September 22 2007