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2. Date and place of birth: 12.03. 1975 Born in Piatra-Neamt Romania

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4. Employment:

1998 – 2000 Francisc I.Rainer Anthropological Research Institute, Romanian Academy, Bucharest - Research scientist (full time)

2000 – 2004 Institute of Genetics, University of Bucharest - research scientist (full time)

2000 – present Francisc I.Rainer Anthropological Research Institute, Romanian Academy, Bucharest - Research scientist (part time)

2007- present Carol Davila University of Medicine and Pharmacy, Bucharest, Faculty of Dentistry, Biology-Genetics Chair - Assistant professor (full time)

5. Education and professional experience:

- 1994 – 1998 Faculty of Biology, University of Bucharest, Specialization in Genetics, Bachelor of science in Molecular Biology

- 2000 Faculty of Biology, University of Bucharest, Master in Genetics

- 2004 - 2007 Ph.D. school “Functional Neuroimaging: from cells to systems”, Institute of Advanced Biomedical Technologies, Department of Clinical Sciences and Bioimaging, G. d’Annunzio Chieti University – Pescara ITALY, PhD in Medical Genetics

- 2001 - 2008 *Francisc I.Rainer* Anthropological Research Institute, Romanian Academy, Bucharest, Medical Anthropology Department, PhD in Medical Science (Field of Anthropology)

- 2004 - 2007 Institute of Advanced Biomedical Technologies (ITAB), Department of Clinical Sciences and Bioimaging and Aging Research Center (CeSI), Genetics Department, *G. d’Annunzio* Chieti University – Pescara ITALY - Microarray technology: microarray experiments design, microarray processing, scanning, quantitation, data normalization and analysis (hierarchical clustering molecular networks generation). Automated sequencing and SNaPshot analysis : ABI PRISM 310 and 3100 Genetic Analyzers. Denaturing High Performance Liquid Chromatography: Transgenomic WAVE DNA Fragment Analysis System. Quantitative Real Time-PCR. Multiplex ligation-dependent probe amplification. DNA and RNA isolation and purification. PCR techniques (PCR-RFLP, PCR-SSCP, semiquantitative RT-PCR, mutant enriched – PCR PCR, multiplex- PCR). Nucleic Acids Electrophoresis

Single strand conformation polymorphism and heteroduplex analysis. Denaturing gradient gel electrophoresis. Enzymatic digestion. Spectrofotometry. Blotting techniques. Cloning techniques.

- June 2003, visiting researcher, study meeting and short talk, Human Genome Diversity and Population Genetics, Tor Vergata University of Rome.

- Postgraduate Courses: Medical Etno-Antropology, Anthropological Genetics, Forensic Genetics

- 2000 Medical, genetic and antropological fieldwork in the isolated population from Hateg Romanian Carpathian Region, the work in cooperation with Victor Segalen University of Bordeaux 2 researchers.

6. Research grants:

- Principal investigator – A research study regarding human spermatogenesis failure due to Y chromosome microdeletions in Romanian population, 2002-2004, funded by The National University Research Council - Romanian Ministry of Education and Research (www.cncsis.ro) .

- Co-investigator: Molecular genetic investigation into a small Romanian isolated population with high incidence of Wilson disease, 2005-2007, funded by The National University Research Council - Romanian Ministry of Education and Research (www.cncsis.ro) .

- Co-investigator: Molecular genetics investigations regarding PAX9 gene mutations and teeth agenesis, 177, 2004-2006, funded by Academy of Medical Science - Romanian Ministry of Education and Research (www.viasan.ro).
- Co-investigator: Study of immunogenetics components of the patients affected by rheumatoid arthritis in Romanian Populations, 2003-2005, funded by Academy of Medical Science - Romanian Ministry of Education and Research (www.viasan.ro).
- Co-Investigator: Research study concerning the molecular mechanisms involved in male infertility, 2003-2005, funded by Academy of Medical Science - Romanian Ministry of Education and Research (www.viasan.ro).
- Co-investigator: K-ras mutations in breast and ovarian cancer: correlation with serum level of VEGF and FGF, 2003-2005, funded by Academy of Medical Science - Romanian Ministry of Education and Research (www.viasan.ro).
- Co-investigator - Excellence research center in genital tumorigenesis, 2003-2005, funded by Academy of Medical Science - Romanian Ministry of Education and Research (www.viasan.ro).
- Co-investigator – Epidemiological study concerning osteoporosis in urban population, 2003-2004, funded by Romanian Academy - Romanian Ministry of Education and Research (www.acad.ro).
- Co-investigator: DGGE and mutation detection, 2002-2004, funded by The National University Research Council - Romanian Ministry of Education and Research (www.cnscis.ro).
- Co-investigator: Diachronic anthropological study in isolated population from Transylvania (Clotova Hateg Carpathian Region) between 1850-2000, 2001-2003, funded by The National University Research Council - Romanian Ministry of Education and Research (www.cnscis.ro).
- Co-investigator: Hormonal, biochemical and body features in young women (20-30 years old), 2001-2002, funded by The National University Research Council - Romanian Ministry of Education and Research (www.cnscis.ro).

7. Books (in romanian language):

INCURSIUNE IN ANTROPOGENEZA, Constantin Balaceanu-Stolnici, Cristiana Glavce, Florina Raicu, Ligia Apavaloae, Editura Medicala, 2006, ISBN: 973-39-0568-2

METODE SI PRINCIPII IN GENETICA MOLECULARA, Relu Cocos, Laurentiu Bohiltea, Florina Raicu, Daniela Neagos, Editura Medicala, 2006, ISBN: 973-39-0584-4

8. Journal publications:

- Tete S, Mastrangelo F, Scioletti AP, Tranasi M, Raicu F, Paolantonio M, Stuppia L, Vinci R, Gherlone E, Ciampoli C, Sberna MT, Conti P. . Microarray expression profiling of human dental pulp from single subject. Clin. Invest. Med, 31(2), pp. E:55-61, 2008.
- Florina Raicu, R. Giuliani, V. Gatta, C. Palka, P. Guanciali Franchi, P. Lelli-Chiesa, S. Tumini, L. Stuppia, A Novel Mutation in the Ligand-Binding Domain of the Androgen Receptor gene (L790P) associated with Complete Androgen Insensitivity Syndrome, Asian Journal of Andrology Jul;10(4), pp. 687-691, 2008.
- A Ferlin, F Raicu, V Gatta, D Zuccarello, G Palka, C Foresta, Male infertility: role of genetic background, review, 2007, Reproductive BioMedicine Online, Vol 14. No 6. 734-745
- Varzari A, Stephan W, Stepanov V, Raicu F, Cojocaru R, Roschin Y, Glavce C, Dergachev V, Spiridonova M, Schmidt HD, Weiss E. Population history of the Dniester-Carpathians: evidence from Alu markers, 2007, Journal of Human Genetics, 52(4):308-16
- Vinci G, Raicu F, Popa L, Popa O, Cocos R, McElreavey K., A deletion of a novel heat shock gene on the Y chromosome associated with azoospermia, 2005, Molecular Human Reproduction, Apr;11(4):295-8
- Popa LO, Di Giacomo F, Popa OM, Raicu F, Coman N. Multiplex PCR for the assignment of some major branches of the Y chromosome tree, 2005, Journal of Genetics Dec;84(3):303-6.
- Florina Raicu , L. Popa , Pompilia Apostol , D. Cimponeriu , Letitia Dan , Elena Ilinca , Laura Luana Dracea , B. Marinescu , L. Gavrilă, Screening for microdeletions in human Y chromosome -AZF candidate genes and male infertility, Journal of Cellular and Molecular Medicine. Vol 7, No 1, 2003 pp. 43-48 ISSN 1582-1838

- Glavce Cristiana, Françoise Roville-Sausse, Florina Raicu, Modifications de la typologie cephalo-faciale pendant la croissance (4-12 ans), Biometrie Humaine et Anthropologie, Paris, 2005, T.23, 1-2: 35-42
- Olguța Chiricea, Ligia Apăvăloae, Cristiana Glavce et Florina Raicu, L'évaluation des valeurs corporelles anthropométriques d'un village de Roumanie, Biometrie Humaine Anthropologie, Paris, 2003, vol. 21, no 1-2 (8 ref.), pp. 7-16 ISSN 1279-7863
- Luis O. Popa, Olivia M. Popa, Florina Raicu, Elena Pisica, Oana P. Popa, Dumitru Murariu - Sex identification in humans by variable- stringency PCR of Y chromosome specific alpha satellite -Travaux du Museum d'Histoire Naturelle Grigore Antipa, Vol. 38, pp.541-546, 2005

10. International presentations and symposiums:

- V. Gatta, F. Raicu, A. P. Scioletti, A. Ferlin, C. Foresta, G. Palka, L. Stuppia, Gene expression profiling of normal and pathological testis by microarray analysis. THE AMERICAN SOCIETY OF HUMAN GENETICS, 58TH ANNUAL MEETING, Philadelphia, Pennsylvania, USA, November 11-15, 2008
- F. Raicu, R. Cocos, A. Sendroiu, D. Neagoș, R. Crețu, C. Glavce, L. Bohîlțea, I. Sendroiu. High prevalence of Wilson disease in a small mountain village in Romania. In EUROPEAN HUMAN GENETICS CONFERENCE, CCIB Barcelona SPAIN. 2008.
- Gatta, F. Raicu, A. Scioletti, A. Ferlin, G. Palka, C. Foresta, L. Stuppia. Expression profiling of normal and pathological testis by microarray analysis. In EUROPEAN HUMAN GENETICS CONFERENCE, CCIB Barcelona SPAIN. 2008
- Raicu F, V. Gatta, A. Ferlin, C. Foresta, G. Palka, L. Stuppia, Expression profiling of human normal testis by microarray technology, EUROPEAN HUMAN GENETICS CONFERENCE, 2007, June 16-19, Nice Acropolis Center FRANCE
- Gatta V., Raicu F., Antonucci I., Scioletti A., Giuliani R., Ferlin A., Foresta C., Palka G., Stuppia L., Analisi dei profili di espressione testicolare in pazienti infertili mediante microarray, 2007, 1-16 novembre, X Congresso Nazionale SIGU, Montecatini Terme, ITALIA
- S. Schipor, R. Cocos, E. Păune-Bușe, I. Nicolae, R. Crețu, A. Ștefănescu-Winterlike, F. Raicu, The relationship between the -765G>C COX-2 polymorphism and the development of cutaneous inflammatory process, EUROPEAN HUMAN GENETICS CONFERENCE, 2007, June 16-19, Nice Acropolis Center FRANCE
- R. Cocos, F. Raicu, D. Neagoș, Identification of reduced copy number of DAZ genes in a group of Romanian idiopathic infertile men, EUROPEAN HUMAN GENETICS CONFERENCE, 2007, June 16-19, Nice Acropolis Center FRANCE
- Varzari A, Kharkov V, Stephan W, Raicu F, Dergachev V, Puzyrev VP, Stepanov V, Weiss E. Alu polymorphisms and Y-chromosome variation in the Dniester-Carpathian region. The 9th International Meeting on Human Genome Variation and Complex Genome Analysis, Barcelona, SPAIN, September 6-8, 2007
- Florina Raicu, Valentina Gatta, Ivana Antonucci, Anna Paola Scioletti, Rossella Giuliani, Alberto Ferlin, Carlo Foresta, Liborio Stuppia, Giandomenico Palka, Analisi dei profili di espressione testicolare mediante microarray in pazienti con diverse forme di alterazione della spermatogenesi, 2006, 8-10 novembre, IX Congresso Nazionale SIGU, Venezia, ITALIA
- Rossella Giuliani, Ivana Antonucci, V. Gatta, A.P. Scioletti, F. Raicu, G. Tiboni, M De Santo, L. Stuppia, G. Palka, Individuazione della seconda mutazione del gene CFTR in pazienti con CBAVD a fecondazione assistita, 2006, 8-10 novembre, IX Congresso Nazionale SIGU, Venezia, ITALIA
- A.P. Scioletti, A. Pasquadibisceglie, V. Gatta, I. Antonucci, R. Giuliani, F. Raicu, G. D'Amato, L. Stuppia, G. Palka, Profili di espressione di ovociti umani freschi e congelati analizzati mediante tecnica del microarray, 2006, 8-10 novembre, IX Congresso Nazionale SIGU, Venezia, ITALIA
- O. Scarciolla, L. Stuppia, M. V. De Angelis, S. Murru, F. Raicu, R. Giuliani, M. Pace, I. Antonucci, A. P. Scioletti, I. Torrente, P. Grammatico, M.C. Rosatelli, A. Uncini, G. Palka, B. Dallapiccola, Spinal muscular Atrophy (sma) genotyping by gene dosage using Multiple Ligation-dependent Probe Amplification (mLPA), European Human Genetics Conferences 2006 Amsterdam, The Netherlands May 6-9, 2006
- L. Popa, F. di Giacomo, O. Popa, F. Raicu, N. Coman; Remarkable homogeneity of the human Y chromosome P lineage at the level of alphoid heteroduplex polymorphic system, European Human Genetics Conferences 2006 Amsterdam, The Netherlands May 6-9, 2006
- V. Gatta, I. Antonucci, R. Giuliani, F. Raicu, C. Palka, E. Morizio, V. Mokini, R. Fischetto, P. Guanciali-Franchi, G. Calabrese, L. Stuppia, G. Palka, Analisi di delezioni del gene SHOX in pazienti affetti da discondrostenosi di Leri-Weill mediante tecnica MLPA, VIII Congresso Nazionale S.I.G.U., 28-30 sept. 2005, Le Meridien Chia Laguna, Domus de Maria, Cagliari, Italia
- Schmidt H.D., Glavce C., Raicu F., Apavaloae L., Grasa, C., Frequencies of some Genetic Markers in an Aromun Population in Dobruja, European Anthropological Association 14th International Congress Human variability: A bridge between sciences and humanities, 1-5 September, 2004, Komotini, Greece

- Olguta Chiricea, Ligia Apavaloae, Cristiana Glavce, Florina Raicu L'évolution des valeurs corporelles anthropométriques d'un village de Transilvanie (Roumanie) étudiée à 2 moments différents (1954-2000), Colloque de la Société de Biométrie Humaine: "La Composition Corporelle", 18-19 November 2002, Paris, France
- Luis Popa, Ionela Moanta, Florina Raicu, Dan Cimponeriu, Apostol Pompilia, Gabi Bordeianu and Lucian Gavrilă, Alphoid heteroduplex polymorphism in sample populations of Romania, poster 571, Programme and Abstract book, Human Genome Meeting, Shanghai, China, 14-17 April, 2002
- F. Raicu, L. O. Popa, O. M. Popa, L. Ilincă, L. L. Drăcea, B. Marinescu, L. Gavrilă; A Romanian population study of 10 Y-chromosome STS loci from infertile men, EUROPEAN HUMAN GENETICS CONFERENCE 2004, International Congress Center, Munich, Germany, June 12 - 15, 2004.
- Raicu Florina, Cornelia Guja, Dolcoș Călin, Androgyne and biorhythmic typology in the process of sexual differentiation, IVth International Anthropological Congress of Ales Hrdlicka, "World Anthropology at the turn of Centuries", page 37, aug. 31- sept 4, 1999, Prague, Humpolec, Czech Republic.
- Guja Cornelia, Dolcos Calin, Raicu Florina - Anthropology of the individual - a possible point of convergence for anthropological sciences, IV th International Anthropological Congress of Ales Hrdlicka, "World Anthropology at the turn of Centuries", page 57, aug. 31- sept 4, 1999, Prague, Humpolec, Czech Republic.

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