

CURRICULUM VITAE

RALITSA STEFANOVA ZHIVKOVA

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EDUCATION

1985-1990	Sofia University "St. Kliment Ochridsky", Sofia, Bulgaria	Bachelor of Science Biology
1990	Sofia University "St. Kliment Ochridsky", Sofia, Bulgaria	Master of Science Ecology
2000 -2005	PhD Thesis : Human oocytes and pronuclear zygotes – ploid and pronuclear status after failed in vitro fertilization	PhD – Embryology

PROFESIONAL HISTORY

1993-1999	Medical University – Sofia, Bulgaria Medical Faculty, Department of Biology Laboratory of in vitro fertilization and preimplantation embryology	Assistant Professor
1999-2003	Medical University – Sofia, Bulgaria Medical Faculty, Department of Biology Laboratory of in vitro fertilization and preimplantation embryology	Senior Assistant Professor
2003-2012	Medical University – Sofia, Bulgaria Medical Faculty, Department of Biology Laboratory of in vitro fertilization and preimplantation embryology	Head Assistant Professor
Since 2012	Medical University – Sofia, Bulgaria Medical Faculty, Department of Biology Laboratory of in vitro fertilization and preimplantation embryology	Associate Professor

POSTGRADUATE SPECIALIZATIONS

June 1995	Principles of Molecular Biology – TEMPUS Training Program, Medical University – Sofia, Bulgaria
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- 1999 Medical University - Sofia, Bulgaria. Postgraduate Program - Human Biology
- February 2000 Postgraduate Course of Contemporary teaching technologies in Medical University – Sofia, Bulgaria
- January - March 2003 In vitro maturation of mammalian oocytes
Department of Reproductive Biology, German Primate Center, Goettingen, Germany
- June 2010 Lecture Course ‘The Cytoskeleton in Development and Pathology’,
FEBS/EMBO in collaboration with European Cytoskeletal Forum and SACR, Stockholm, Sweden

RESEARCH PROJECTS

- 1994-1997 Grant L-431 / 94 of Ministry of Education and Science, Bulgaria.
Pilot development of models for preimplantation diagnosis based on mouse and human preimplantation embryos
- 1997-1999 **Research project leader** of Grant MU-BM-17 / 96 of Ministry of Education and Science, Bulgaria.
Estimation of aneuploidy rate for several chromosome pairs and its relationship with morphology and developmental potential for mouse and / or human preimplantation embryos in vitro
- 2002-2003 Grant 22 / 2002 of Medical University - Sofia, Bulgaria
Investigation of the most frequent aneuploidies in human preimplantation embryos with different level of apoptosis
- 2007-2008 Grant 40 / 2007 of Medical University - Sofia, Bulgaria
Estimation of ovarian reserve – analysis of the ploidy and the chromatin status of oocytes from surgically recovered ovarian tissue
- 2007-2010 Grant L-311 / 07 of Ministry of Education and Science, Bulgaria and German Primate Center , Goettingen, Germany.
Investigation of chromosome and cytoskeletal defects in oocytes and preimplantation embryos as main causes for early embryonic loss in mammals
- 2009-2010 **Research project leader** of Grant 14 / 2009 of Medical University – Sofia, Bulgaria
Microstructural genome alternations in idiopathic azoospermy and oligospermy in peripheral blood and ejaculate – DNA microchip analysis
- 2009-2010 Grant 15 / 2009 of Medical University – Sofia, Bulgaria
Nuclear matrix and intermediate filaments (IF) in mouse oocytes and cumulus cells
- 2012-2013 Grant 37 / 2012 of Medical University – Sofia, Bulgaria

Investigation of cytokeratin and vimentin intermediate filaments in polycystic ovaria (PCOS)

- 2012-2013 Grant 36 / 2012 of Medical University – Sofia, Bulgaria
Changes of nuclear lamina organization and distribution of nuclear pore complexes during different stages of *in vitro* maturation of mouse oocytes
- 2014-2015 Grant 29 / 2014 of Medical University – Sofia, Bulgaria
Influence of the genetic background on the qualitative and quantitative characteristics of meiotic spindle in *in vitro* matured mouse oocytes
- 2015-2016 **Research project leader** of Grant 16 / 2015 of Medical University – Sofia, Bulgaria
Study of Balbiani body cytoplasmic components in oocytes from mouse primordial follicles
- 2016-2017 Grant 25 / 2016 of Medical University – Sofia, Bulgaria
Study of oogenesis quality *in vivo* and *in vitro* in oocytes from mice with experimental systemic lupus

SCIENTIFIC ACTIVITIES AND CITATIONS

Scientific articles – 47, including:

Articles published in journals with impact factor – 14,

Articles in Bulgarian refereed journals – 19

Citations - 82

H index (Scopus) – 4.

Attendance in congresses and conferences– 58, including:

International congresses and conferences – 29

Bulgarian congresses and conferences - 29

TEACHING EXPERIENCE

TOPICS OF TEACHING:

- Biology of protozoan and invertebrate parasites
- Comparative anatomy of vertebrates
- Some aspects of molecular biology of the cell
- Some aspects of developmental biology and reproduction
- Some aspects of population genetics
- Essential immunology

- Since 1993 **Laboratory practicals and seminars** for medical, dental and pharmacy students **in Bulgarian**
Department of Biology, Medical Faculty
Medical University – Sofia, Bulgaria
- Since 2002 **Laboratory practicals and seminars** for medical, dental and pharmacy students **in English**
Department of Biology, Medical Faculty
Medical University – Sofia, Bulgaria
- Since 2005 **Lectures** for medical, dental and pharmacy students **in Bulgarian**
Department of Biology, Medical Faculty
Medical University – Sofia, Bulgaria
- Since 2007 **Lectures** for medical, dental and pharmacy students **in English**
Department of Biology, Medical Faculty
Medical University – Sofia, Bulgaria
- Since 2014 **Lectures and practicals** for medical and dental medical students **in English**
Chiasso, Switzerland, provided by the Medical University – Sofia, Bulgaria

LANGUAGES: English and Russian – fluently. Bulgarian – native language.

Sofia, Bulgaria
04.01. 2017

Assoc. Prof. Ralitsa Zhivkova, PhD:

