

## Stefka M. Delimitreva, PhD, Associate Professor



### Curriculum vitae

#### EDUCATION

Major specialty – Biotechnology <i>Faculty of Biology, University of Sofia “St. Kliment Ohridski”, Sofia, Bulgaria</i>	1997-1990
Master program – Gene and Cell Engineering	1990-1992
Master Thesis – “Registration of circulating immune complexes and their antigen characteristics in patients with insulin dependent diabetes mellitus” <i>Laboratory of Molecular Immunology and Hybridomas, Department of Biochemistry, Faculty of Biology, University of Sofia “St. Kliment Ohridski”, Sofia, Bulgaria</i>	1990-1992
PhD Embryology Dissertation – “Chromosomal disorders, nuclear and cell destruction in preimplantation human embryos” <i>Laboratory of In Vitro Fertilization and Preimplantation Embryology, Department of Biology, Medical University of Sofia, Bulgaria</i>	2001-2005

#### ADDITIONAL QUALIFICATIONS

TEMPUS-course “Principles of Molecular Biology” <i>Medical University of Sofia</i>	1994/95 academic year
Postgraduate qualification “Human Biology” <i>Medical University of Sofia</i>	1995-1998
Modern Teaching Technologies <i>Medical University of Sofia</i>	February 2000
In Vitro Maturation of Mammalian Oocytes	January-

<i>German Primate Center, Department of Reproductive Biology, Goettingen, Germany</i>	March 2003
Lecture course “The cytoskeleton in development and pathology” organized by <i>European Cytoskeletal Forum and The Swedish Association for Cytoskeletal Research, Stockholm, Sweden</i>	June 2010

### PROFESSIONAL HISTORY

Assistant Professor	Department of Biology, Medical University of Sofia, Bulgaria	1993
Senior Assistant Professor	Department of Biology, Medical University of Sofia, Bulgaria	1998
Head Assistant Professor	Department of Biology, Medical University of Sofia, Bulgaria	2002
Associate Professor	Department of Biology, Medical University of Sofia, Bulgaria	2012

### TEACHING EXPERIENCE

Laboratory practicals and seminars for medical, dental and pharmacy students in Bulgarian	since 1993
Lectures for medical, dental and pharmacy students in Bulgarian	since 2002
Laboratory practicals and seminars for medical, dental and pharmacy students in English	since 2002
Lectures for medical, dental and pharmacy students in English	since 2005

### INTERNATIONAL EXPERIENCE

For the period 2005-2008 – guest researcher in The German Primate Center, Department of Reproductive Biology, Goettingen, Germany.

### SUPERVISOR EXPERIENCE

Since 2006 till now – supervisor or co-supervisor of five Master students.

Recently – co-supervisor of a PhD student.

### RESEARCH PROJECTS

1994-1997	<i>Grant L-431 / 94 - Ministry of Education and Science, Bulgaria</i> Pilot development of models for preimplantation diagnosis based on mouse and human preimplantation embryos.
1997-1999	<i>Grant MU-BM-17 / 96 - Ministry of Education and Science, Bulgaria</i> Estimation of aneuploidy rate for several chromosome pairs and its relationship with morphology and developmental potential for mouse and /or human preimplantation embryos <i>in vitro</i> .
2002-2003	<i>Grant 22 / 2002 - Medical University - Sofia, Bulgaria</i> Investigation of the most frequent aneuploidies in human preimplantation embryos with different level of apoptosis.
2003-2005	<i>German Primate Center, Goettingen, Germany</i> Chromosome integrity in <i>in vitro</i> matured marmoset oocytes.
2006	<i>German Primate Center, Goettingen, Germany</i> Study of the phenotype labial adhesion in common marmosets and its relationship to the mixed sexual chimerism.
2007-2008	<i>Grant 40 / 2007 - Medical University - Sofia, Bulgaria</i>

	Estimation of ovarian reserve – analysis of the ploidy and the chromatin status of oocytes from surgically recovered ovarian tissue.
2008	<i>German Primate Center, Goettingen, Germany</i> Techniques for chromosome investigations of marmoset gametes and embryos.
2007-2010	<i>Grant L-311 / 07 - Ministry of Education and Science, Bulgaria and German Primate Center, Goettingen, Germany</i> Investigation of chromosome and cytoskeletal defects in oocytes and preimplantation embryos – main causes for early embryonic loss in mammals.
2009-2010	<i>Grant 14 / 2009 - Medical University – Sofia, Bulgaria</i> Microstructural genome alternations in idiopathic azoospermy and oligospermy in peripheral blood and ejaculate – DNA microchips analysis.
2009-2010	<i>Grant 15 / 2009 - Medical University – Sofia, Bulgaria</i> Nuclear matrix and intermediate filaments (IF) in mouse oocytes and cumulus cells.
2012-2013	<i>Grant 37 / 2012 - Medical University – Sofia, Bulgaria</i> Investigation of cytokeratin and vimentin intermediate filaments in polycystic ovaries (PCOS).
2012-2013	<i>Grant 36 / 2012 - Medical University – Sofia, Bulgaria</i> Changes in nuclear lamina organization and distribution of nuclear pore complexes during different stages of in vitro maturation of mouse oocytes.

[Selected publications](#)