

**PERSONAL DETAILS**

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EDUCATION: 1990-1994 Stei Community High School, Bihor – Romania

1994-1998 Student in Biological Sciences, Faculty of Chemistry-Biology-Geography, West University of Timisoara, B. Sc Biology, 1998

1998-1999 Master's Degree in Biotechnology and Genetics Engineering in Plants, Faculty of Horticulture, Banat University of Agricultural Sciences and Veterinary Medicine – Timisoara, M.D. in 1999

2007-2011 PhD studies, Institute for Biochemistry and Molecular Biology, University of Ulm, Germany

March 6, 2012, PhD, ***Retinoic acid and neural tube closure in vertebrates***

WORK HISTORY: 1998 - Present, Assistant Lecturer in Genetics, Human Genetics and Molecular Biology - Faculty of Chemistry-Biology-Geography, Department of Biology, West University of Timisoara

18 Nov. 2002 – 18 Nov. 2003, Marie Curie Fellowship at Regina Elena Cancer Institute, Rome, Italy, Contract EC - No. HPMT-CT-2000-00210, with the project "*Artificial Regulation of Cell Cycle in Cancer Cells and its Potential Clinical Applications*"

1 May 2004 – 15 May 2007, Helvetica Profarm SA, Quality Control Department, (pharmaceutical industry - sterile solutions production; part time job)

2 February 2006 – 15 May 2007, Cytogenetic Laboratory Diagnostics DR. Cristina Gug, (part time job)

1 July 2007 – 31 October 2011, PhD Student, Institute for Biochemistry and Molecular Biology, University of Ulm, Germany

1 November 2011 – present, Lecturer in Genetics and Human Genetics - Faculty of Chemistry-Biology-Geography, Department of Biology and Chemistry, West University of Timisoara

## CONGRESSES PARTICIPATION:

**1) The 3<sup>rd</sup> EMBO Meeting – Advancing the life science, Vienna 2011, poster session**

*Retinoic acid regulates planar cell polarity signaling during neural tube closure in vertebrates*, **Ioana Laura Tuduce**<sup>1</sup>, Gregg Duester<sup>2</sup>, Michael Kühl<sup>1</sup> and Ioan Ovidiu Sirbu<sup>1</sup>; <sup>1</sup>Institute for Biochemistry and Molecular Biology, University of Ulm, German; <sup>2</sup>Burnham Institute for Biomedical Research, La Jolla CA, USA.

**2) GfE School Günzburg 2010, poster session**

*Sprex2 expression during mouse development*, **Ioana Laura Tuduce**<sup>1</sup>, Kai Schuh<sup>2</sup>, Karin Bundschu<sup>1</sup>  
<sup>1</sup>Biochemistry and Molecular Biology, University of Ulm, Germany, <sup>2</sup>Institute of Physiology, University of Würzburg, Germany,

*Retinoic Acid and FgfR1 Signaling Regulate Planar Cell Polarity Genes During Neural Tube Closure*, **Ioana Laura Tuduce**<sup>1</sup>, Purushothama Tata Rao<sup>1</sup>, Gregg Duester<sup>2</sup>, Michael Kuehl<sup>1</sup>, Ioan Ovidiu Sirbu<sup>1</sup>  
<sup>1</sup>Institute for Biochemistry and Molecular Biology, University of Ulm, Germany, <sup>2</sup>Burnham Institute for Biomedical Research, La Jolla CA, United States of America,

**3) GfE Meeting, Hannover 2009, poster session**

*Retinoic acid-planar cell polarity crosstalk during neural tube closure*, **Ioana L. Tuduce\***, Purushothama Tata Rao\*, Xianling Zhao\*\*, Gregg Duester\*\*, Ioan O. Sirbu\*  
\*Institute for Biochemistry and Molecular Biology, Ulm University, Ulm, Germany; \*\*Burnham Institute for Biomedical Research, La Jolla CA, USA

**4) II<sup>nd</sup> International Congress of SNBC, Iasi 2006, poster session**

*In vitro effect of some teratogenic factors during preimplantation embryos development*; Maria Checiu, **Ioana Tuduce**, Delia Hutanu and Iacob Checiu

**5) XXI<sup>nd</sup> National Meeting of SNBC, Sigisoara 2004, poster session:**

*Teratogenic Effects of Cu<sup>2+</sup> upon Mouse Embryo-Fetal Development*; Maria Checiu, **Ioana Tuduce**, Delia Checiu and Iacob Checiu

*Studies of Nanomagnetic Particules on Rat Chromosomes*; Ioachim Capalnasan, **Ioana Tuduce**

**6) Eight International Conference on Magnetic Fluids, Timisoara 1998, poster session:**

*Attempt to Estimate the Influence of Magnetite Plant Effective Doses on Rat Chromosomes*, Capalnasan I., **Tuduce I.**, Perhald A.

**7) Proc.3<sup>rd</sup> Int. Symp. Interdiscipl. Reg.Res., Novi Sad 1998, Yugoslavia, poster session:**

*The Lack of Cytogenetic Effects in Rat of Magnetite Doses Inducing Poliploidie in Plants*, Capalnasan I., **Tuduce I.**, Perhald A.

## LIST OF PUBLICATIONS

- Ioana Laura Tuduce**, Kai Schuh and Karin Bundschu, Spred2 expression during mouse development, *Developmental Dynamics*, **2010** 239:3072-3085
- Campioni M., Severino A., Manente L., **Tuduce I.L.**, Toldo S., Caraglia S., Ehrmann M., He X., Maguire J., De Falco M., De Luca A., Shridar V., Baldi A., *The serine protease HtrA1 specifically interacts and degrades the Tuberosus Sclerosis Complex 2 Protein*, *Mol. Cancer Res.*, **2010** Sep;8(9):1248-60
- Joost M. Woltering, Freek J. Vonk, Hendrik Müller, Nabila Bardine, **Ioana L. Tuduce**, Merijn A.G. de Bakker, Walter Knöchel, I. Ovidiu Sirbu, Antony J. Durston and Michael K. Richardson, *Axial patterning in snakes and caecilians: Evidence for an alternative interpretation of the Hox code*, Volume 332, Issue 1, 1 August **2009**, Pages 82-89, *Developmental Biology: Special Section: Evolution of Developmental Regulatory Systems*
- Antonio De Luca, Maria De Falco, Valentina Fedele, Luigi Cobellis, Annunziata Mastrogiacomo, Vincenza Laforgia, **Ioana L. Tuduce**, Mara Campioni, Marco G. Paggi and Alfonso Baldi, *The Serine Protease HtrA1 is Upregulated During Placentation in Humans*, *Journal of Histochemistry & Cytochemistry*, **2004**, 52(7): p. 885-892
- Maria Checiu, I. Checiu, Ioana Ilut, **Ioana Tuduce**, Delia Hutanu, **2004**, *The Effect of Acute Maternal CuCl<sub>2</sub> Intoxication Upon Mouse Fetal Skeleton*, *Ann.West Univ. Timisoara*, ser. Biol. vol.VII, p.61-67
- I. Checiu, Maria Checiu, **Ioana Tuduce**, Delia Checiu, **2002-2003**, *Ultrastructural Modifications Induced by Direct Action of Cu<sup>2+</sup> Upon Early Chick Embryo*, *Ann.West Univ. Timisoara*, ser. Biol. vol.V-VI, p.95-104
- Checiu I., Checiu M., Delia Checiu, Capalnasan I., **Tuduce I.**, **2002-2003**, *Investigations of Teratogenic Effects Induced by Cooper upon Early Postimplantation Mouse Embryos*, *Ann.West Univ. Timisoara*, ser.Biol. vol.V-VI, p.87-94
- Capalnasan I., Miclea I., **Tuduce I.**, **2002-2003**, *Cytogenetical and Clinical Investigations of a case of Female Pseudohermafroditism*, *Ann.West Univ. Timisoara*, ser. Biol. vol.V-VI, p.55-60
- Capalnasan I., **Tuduce I.**, Nuta V., **2002**, *Cariotipul normal, sindroame si maladii metabolice umane*, *Biologie*, Ed. Mirton, Timisoara, 22-33.
- I. Checiu, Maria Checiu, **Ioana Tuduce**, Delia Checiu, **2000-2001**, *Investigations Concerning Direct and Indirect Teratogenic Effect of Cu<sup>2+</sup> in Preimplantational mouse Embryos*, *Annals of West University Timișoara*, Serie Biol. vol. III-IV, p. 91-96.
- Capalnasan I., Nuța V., **Tuduce I.**, **1999**, *Genetic and Electrophoretic Study of Two Families with beta-Thalassemia*, *Ann.West Univ. Timisoara*, ser.Biol. vol.II, p.127-136.
- Capalnasan I., **Tuduce I.**, Perhald A., **1998**, *Attempt to Estimate the Influence of Magnetite Plant Effective Doses on Rat Chromosomes*, *Eight International Conference on Magnetic Fluids*, Timisoara, p. 467
- Capalnasan I., **Tuduce I.**, Perhald A., **1998**, *The Lack of Cytogenetic Effects in Rat of Magnetite Doses Inducing Poliploidie in Plants*, *Proc.3<sup>rd</sup> Int. Symp. Interdiscipl. Reg.Res.*, Novi Sad, Yugoslavia, p. 583-585.

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