Gabriela Pavlinkova

**Campus** **Address:**

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**Education**

* Ph.D. in Immunology (2000), Charles University, Prague, Czech Republic.
* RNDr. (Doctor of Natural Sciences) (1989), Immunology and Developmental Biology, Charles University, Prague, Czechoslovakia.
* Master of Science in Immunology and Molecular Biology (1989) Charles University, Prague, Czechoslovakia.

**Current Position**

since 2008 Head of Laboratory of Molecular Pathogenetics, Institute of Biotechnology Czech Academy of Sciences, Prague, Czech Republic

**Prior Employment**

2007-2008Assistant Professor; Pediatrics Department, University of Nebraska Medical Center, Omaha, NE

2005-2007 Assistant Professor; Department of Genetics, Cell Biology & Anatomy, University of Nebraska Medical Center, Omaha, NE

2003-2004 Maternity Leave (April 2003 – December 2004)

2002-2003 Instructor; Department of Radiation Oncology, University of Nebraska Medical Center, Omaha, NE

* 1. Visiting Professor; Dept. of Immunology, Institute for Genetic Medicine, Hokkaido University, Sapporo, Japan
  2. Instructor; Dept. of Pathology and Microbiology, University of Nebraska Medical Center, Omaha, NE

1996-1998 Research Associate, Pathology and Microbiology, University of Nebraska Medical Center, Omaha, NE

* 1. Senior Research Analyst, Microbiology and Immunology, University of Kentucky, Lexington, KY; Scientist, *Immpheron, Inc.,* Lexington, KY (1995-1996)
  2. Visiting Scholar, Microbiology and Immunology, University of Kentucky Lexington, KY
  3. Research Assistant, Dept. of Pathology, Charles University Medical School, Prague, Czechoslovakia

**Patents**

**U.S.** **Patent number**: 5800991  
Filing date: Jul 23, 1996  
Issue date: Sep 1, 1998  
Inventors: Boyd E. Haley, Heinz Kohler, Krishnan Rajagopalan, Gabriela Pavlinkova  
Assignee: University of Kentucky Research Foundation

**Consulting Positions**

1997-2001, Consultant, Immpheron, Inc., Lexington, KY

**Honors and Awards**

* 2009- Expert Evaluator of calls FP7-PEOPLE, FP7-Health, H20/20

# 2009- 2014 member of Rada Institute of Biotechnology AS CR, v.v.i.

* 2009- member of Správní Rada BIOCEV z.s.p.o
* 2009- member of Rada Biocev
* 2015- Evaluator for Czech Grant Agency
* 2017- member of Rady pro zahraniční styky AV ČR
* 2018- Member of Editorial Board of *Scientific Reports*

# Excellent Diploma („Červený diplom“), Graduate Student Achievement Award, Charles University, Prague, Czechoslovakia, 1989

* Charles University Excellence Scholarship 1986-1989.

**Professional achievements:**

**35 publications, co-author of 3 book chapters, 1047 citations, h-index 19,**

**Funding: Czech Grant Agency (GAČR), FP7, NIH, U.S. Army, American Cancer Society**

**Main fields of research**

Molecular genetics of congenital malformations, pathophysiological mechanisms of responses diabetes mellitus, transcriptional regulation, diabetic embryopathy, hypoxia.

**Research Grant Awards:**

Current Research Grants:

2017-2019 GA17-04719S: “Transcriptional regulation in neurosensory development and function in the inner ear”, The Grant Agency of the Czech Academy of Sciences, PI: G. Pavlinkova

2016-2018 GA16-06825S: “Programming of the developing heart by maternal diabetes”, The Grant Agency of the Czech Academy of Sciences, PI: G. Pavlinkova

2015-2018 AZV ČR 15-30880A: “Proteomic and genetic assessment of sperm quality for the enhancement of assisted reproduction in infertile patients with diabetes mellitus”. Co-investigator:

Previous Awards:

2013-2016 GA13-07996S: “Molecular mechanisms responsible for generating cellular diversity in the inner ear”, The Grant Agency of the the Czech Academy of Sciences, PI: G. Pavlinkova, 8.1 mil. Kč/funded period.

2012-2015 Project #CZ.1.07/2.3.00/30.0020, Biotechnologický expert (Biotechnological expert), program OP VK 2011, Ministry of Education, Youth and Sports.

2008-2012 FP7 Project # 224760: “Molecular Mechanisms in Diabetic Embryopathy” Marie Curie Actions Seventh Research Framework Programme People 2008, PI: **G. Pavlinkova**, 100,000€/funded period.

2009-2014 GA301/09/0117: “Molecular Mechanisms in Diabetic Embryopathy“, **The Grant Agency of the** Czech Academy of Sciences, PI: **G. Pavlinkova**, 7180 tis. Kč/funded period**.**

2003-2008 P20 RR18788 “The Molecular Biology of Neurosensory Systems” NIH-NCRR

Principal Investigator: S.D. Smith; **G. Pavlinkova** as an independent investigator

This was a Center grant to study neurosensory development providing support to junior investigators (not yet R01 recipients) using core facilities for gene expression (microarray, mouse genome engineering, and histology/histochemistry), 10.6 million NIH grant/funded period.

* 1. “Molecular Mechanisms in Diabetic Embryopathy” NIH#3R01HD037804-06S1 for Dr. **G. Pavlinkova,** $ 75,000/year.

**PROFESSIONAL PUBLICATIONS**

**Articles in peer review journals:**

1. Cerychova R, and Pavlinkova G\*. HIF-1, Metabolism, and Diabetes in the Embryonic and Adult Heart. *Front. Endocrinol.* 15 August 2018. [doi: 10.3389/fendo.2018.00460](https://doi.org/10.3389/fendo.2018.00460)
2. Kersigo J, Pan N, Lederman JD, Chatterjee S, Abel T, Pavlinkova G, Silos-Santiago I, Fritzsch B. A RNAscope whole mount approach that can be combined with immunofluorescence to quantify differential distribution of mRNA. *Cell Tissue Res.* 2018 Jul 5. doi: 10.1007/s00441-018-2864-4. [Epub ahead of print]
3. Cerychova R, Bohuslavova R, Papousek F, Sedmera D, Abaffy P, Benes V, Kolar F, Pavlinkova G\*. Adverse effects of Hif1a mutation and maternal diabetes on the offspring heart. *Cardiovasc Diabetol*. 2018 May 12;17(1):68. doi: 10.1186/s12933-018-0713-0.
4. Bohuslavova R, Cerychova R, Nepomucka K, Pavlinkova G\*. Renal injury is accelerated by global hypoxia-inducible factor 1 alpha deficiency in a mouse model of STZ-induced diabetes. *BMC Endocrine Disorders.* 2017; 17: 48.
5. Pavlinkova G\*, Margaryan H, Zatecka E, Valaskova E, Elzeinova F, Kubatova A, Bohuslavova R, Peknicova J. Transgenerational inheritance of susceptibility to diabetes-induced male subfertility. *Scientific Reports.* 2017; 7: 4940.
6. Bohuslavova R, Dodd N, Macova I, Chumak T, Horak M, Syka J, Fritzsch B, Pavlinkova G\*. Pax2-Islet1 Transgenic Mice Are Hyperactive and Have Altered Cerebellar Foliation. *Molecular Neurobiology* 2017, 54(2): 1352–1368.
7. Dvorakova M, Jahan I, Macova I, Chumak T, Bohuslavova R, Syka J, Fritzsch B, Pavlinkova G\*. Incomplete and delayed Sox2 deletion defines residual ear neurosensory development and maintenance. *Scientific Reports*. 2016, 6:38253.
8. Chumak T, Bohuslavova R, Macova I, Dodd N, Buckiova D, Fritzsch B, Syka J, Pavlinkova G\*. Deterioration of the Medial Olivocochlear Efferent System Accelerates Age-Related Hearing Loss in Pax2-Isl1 Transgenic Mice. *Molecular Neurobiology* 2016 May;53(4):2368-83.
9. Bohuslavova R, Skvorova L, Cerychova R, Pavlinkova G\*. Gene expression profiling of changes induced by maternal diabetes in the embryonic heart. *Reprod Toxicol*. 2015 Nov;57:147-56. (Published image was selected for the journal cover.)
10. Ornoy A, Reece EA, Pavlinkova G, Kappen C, Miller RK. Effect of maternal diabetes on the embryo, fetus, and children: congenital anomalies, genetic and epigenetic changes and developmental outcomes.

*Birth Defects Res C Embryo Today*. 2015 Mar;105(1):53-72.

1. Bohuslavova R, Kolar F, Sedmera D, Skvorova L, Papousek F, Neckar J, Pavlinkova G\*. Partial deficiency of HIF-1α stimulates pathological cardiac changes in streptozotocin-induced diabetic mice. *BMC Endocrine Disorders*. 2014;14:11.
2. Bohuslavova R1, Skvorova L, Sedmera D, Semenza GL, Pavlinkova G\*. Increased susceptibility of HIF-1α heterozygous-null mice to cardiovascular malformations associated with maternal diabetes. *J Mol Cell Cardiol*. 2013 60:129-41.
3. Salbaum JM, Kruger C, Zhang X, Delahaye NA, Pavlinkova G, Burk DH, Kappen C. Altered gene expression and spongiotrophoblast differentiation in placenta from a mouse model of diabetes in pregnancy. *Diabetologia*. 2011 Jul;54(7):1909-20.
4. Bohuslavova R, Kolár F, Kuthanova L, Neckar J, Tichopad A, Pavlinkova G\*. Gene expression profiling of gender differences in HIF1-dependent adaptive cardiac responses to chronic hypoxia. *J Appl Physiol.* 2010 Oct;109(4):1195-202.
5. Pavlinkova, G; Salbaum, JM; Kappen, C. Maternal Diabetes alters Transcriptional Programs in the Developing Embryo. *BMC Genomics* 2009, 10:274.
6. Pavlinkova, G; Salbaum, JM; Kappen, C. Wnt signaling in caudal dysgenesis and diabetic embryopathy. *Birth Defects Res A Clin Mol Teratol*. 82, 710-9, 2008.
7. Pavlinkova, G; Yanagawa, Y; Kikuchi, K; Iwabuchi, K; Onoé, K. Effects of histamine on functional maturation of dendritic cells. *Immunobiology* 207, 315-325, 2003.
8. Pavlinkova, G\*; Batra, S K; Colcher, D; Booth, BJM; Baranowska-Kortylewicz, J. Constructs of biotin mimetic peptide with CC49 single-chain Fv designed for tumor pretargeting. *Peptides* 24, 353-362, 2003.
9. Pavlinkova, G; Colcher, D; Booth, BJM; Goel, A; Wittel, UA; Batra, S K. Effects of humanization and gene shuffling on immunogenicity and antigen binding of anti-TAG-72 single-chain Fvs. *Int J Cancer*. 94(5):717-26, 2001.
10. Goel, A; Baranowska-Kortylewicz, J; Hinrichs, SH; Wisecarver, J; Pavlinkova, G; Augustine, S; Colcher, D; Booth, BJ; Batra, SK. 99mTc-labeled divalent and tetravalent CC49 single-chain Fv's: novel imaging agents for rapid in vivo localization of human colon carcinoma. *J Nucl Med.* 42(10):1519-27, 2001.
11. Goel, A; Augustine, S; Baranowska-Kortylewicz, J; Colcher, D; Booth, BJM; Pavlinkova, G; Tempero, M; Batra, S K. Single-Dose versus fractionated radioimmunotherapy of human colon carcinoma xenografts using 131I-labeled multivalent CC49 single-chain fvs. *Clin Cancer Res*. 7(1):175-84, 2001.
12. Pavlinkova, G; Colcher, D; Booth, BJM; Goel, A; Batra, S K. Pharmacokinetics and biodistribution of a light chain shuffled CC49 single-chain Fv antibody construct. *Cancer Immun.& Immunotherapy*, 49:267-275, 2000.
13. Pavlinkova, G; Lou, D; Kohler, H. Site-specific photobiotinylation of antibodies, light chains, and immunological fragments. *Methods* 22:44-48, 2000.
14. Goel, A; Colcher, D; Baranowska-Kortylewicz, J; Augustine, S; Booth, BJM; Pavlinkova, G; Batra, S K. Genetically engineered tetravalent single-chain Fv of the pancarcinoma monoclonal antibody CC49: improved biodistribution and potential for therapeutic application. *Cancer Res.* 60(24):6964-71, 2000.
15. Goel, A; Colcher, D; Koo, J-S; Booth, BJM; Pavlinkova, G; and Batra, SK. Relative position of the hexahistidine tag effects binding properties o tumor-associated single-chain Fv construct. *Biochim. Biophys. Acta* 1523:13-20, 2000.
16. Goel, A; Beresford, G; Colcher, D; Pavlinkova, G; Booth, BJM; Baranowska-Kortylewicz, J; Batra, S K. Divalent forms of CC49 single-chain antibody constructs in *Pichia pastoris*: expression, purification and characterization. *J. Biochem.* 127:829-836, 2000.
17. Pavlinkova, G; Booth, BJM; Batra, SK; Colcher, D. Radioimmunotherapy of human colon cancer xenografts using dimeric single-chain Fv antibody construct. Clin. Cancer Res. 5:2613-2619, 1999.
18. Pavlinkova,G; Beresford,G; Booth, BJM; Batra, SK; Colcher, D. Engineering, pharmacokinetics and biodistribution of single chain antibody constructs of monoclonal antibody CC49. *J. Nuclear Med*. 40:1536-1546, 1999.

1. Pavlinkova, G; Beresford, G; Booth, BJM; Batra, SK; Colcher, D. Charge-modified single chain antibody constructs of monoclonal antibody CC49: Generation, characterization, pharmacokinetics, and biodistribution analysis. *Nuc. Med. & Biology* 26:27-34, 1999.

1. Pavlinkova, G; Beresford, GW; Booth, BJM; Batra, SK; Colcher, D. Pharmacokinetics and biodistribution of engineered single-chain antibody constructs of MAb CC49 in colon carcinoma xenografts. *J Nuclear Medicine* 40:9, 1536-1546, 1999.
2. Beresford, GW; Pavlinkova, G; Booth, BJM; Batra, SK; Colcher, D. Binding characteristics and tumor targeting of a covalently-linked divalent CC49 single-chain antibody. *International J. Cancer* 81:911-917, 1999.
3. Colcher, D; Pavlinkova, G; Beresford, G; Booth, BJM; Batra, SK. Single-chain antibodies in pancreatic cancer. *NY Acad. Sci.* 880:263-280, 1999.

1. Colcher, D; Goel A; Pavlinkova, G; Beresford, G; Booth, BJM; Batra, SK. Effects of genetic engineering on the pharmacokinetics of antibodies. *Q. J. Nucl. Med.* 43:132-9, 1999.
2. Colcher, D; Pavlinkova, G; Beresford, G; Booth, BJM; Choudhury, A; Batra, SK. Pharmacokinetics and biodistribution of genetically-engineered antibodies. *Q. J. Nucl. Med.* 42:225-241, 1998.
3. Pavlinkova, G; Rajagopalan, K; Muller, S; Chavan, A; Sievert, G; Lou, D; O‘Toole, C; Haley, B; Kohler, H. Site-specific photobiotinylation of immunoglobulins, fragments and light chain dimers. *J.* *Immunological Methods* 201:77-88, 1997.
4. Schachtschabel, U; Pavlinkova G; Lou D; Kohler, H. Antibody-mediated gene delivery for B-lymphoma *in vitro*. *Cancer Gene Therapy* 3:365-372, 1996.
5. Rajagopalan, K#; Pavlinkova, G#; Levy, S; Pokkuluri, PR; Schiffer, M; Haley, B; Kohler, H. Novel uncoventional binding site in the variable region of immunoglobulins. *Proc. Natl. Acad. Sci. USA* 93:6019-6024, 1996. (# both these authors have equal contribution)

1. McCoy, KR; Mullins, RD; Newcomb, TG; Ng, GM; Pavlinkova, G; Polinsky, RJ; Nee, LE; Sisken JE. Serum- and Bradykinin-induced calcium transients in familiar Alzheimer's fibroblasts. *Neurobiology of Aging* 14:447-455, 1993.

**Book Chapters:**

1. Kappen C, Pavlinkova G, Kruger C, Salbaum JM: Analysis of altered gene expression in diabetic embryopathy. in: Comprehensive Toxicology, 2nd edition, C.A. McQueen (Ed.). Oxford, United Kingdom, Elsevier, 2010
2. Kohler, H; Pavlinkova, G; Haley, B. Ig Nucleotide Binding Site: A Possible Superantigen Receptor. Human B-cell superantigens; Moncef Zouali (Ed.)., R.G. Landef Company, 189-194, 1996.
3. Batra, SK; Goel, A; Pavlinkova, G; and Colcher, D. Monoclonal antibody targeted radioisotope therapy. In: “Targeted therapy of cancer” edited by Syrigos KN, and Harrington, KJ, Oxford University Press (London, UK) 2000.

**Invited Presentations at Meeting/Conference/Symposia:**

1. Pavlinkova, G.: “Combinatorial effects of diabetes and Hif1a mutation on cardiovascular development and function”. 2nd International Munich ROS Meeting, July 6-8, 2018, Munich, Germany.
2. Pavlinkova, G.: “Genetic and Epigenetic Effects of Diabetes in Pregnancy”. Public Affair Committee symposium at 53rd Annual Meeting of the Teratology Society, June 22-26, 2013, Tuscon, Arizona, USA.
3. Pavlinkova, G.: “Gene Expression Changes in Diabetic Embryopathy”. Fifth International Neural Tube Defects Conference, Asilomar, CA, September 24-27, 2007.

**Oral Presentations:**

1. Dvorakova, M., Bohuslavova, R., Fritzsch, B., Jahan, I., Chumak, T., Syka, J., Pavlinkova, G. Conditional Sox2 deletion defines residual inner ear development. 54th Workshop on Inner Ear Biology and Symposium 2017, 13th - 16th September in Hannover, Germany.
2. Dvorakova, M., Bohuslavova, R., Fritzsch, B., Syka, J., Chumak, T., Pavlinkova, G. The Role of Sox2 in Inner Ear Development. Symposium and 52nd Inner Ear Biology Workshop, 12-15 September 2015, Rome, Italy.
3. Pavlinkova, G., Bohuslavova R.; Sedmera, D.; Skvorova L. Partial HIF-1a Deficiency Increases Risk of Diabetic Embryopathy. Platform presentation at 52nd Annual Meeting of the Teratology Society, June 23-27, 2012, Baltimore, USA. Birth Defects Research Part A: Clinical and Molecular Teratology Volume: 94 Issue: 5 Special Issue: SI Pages: 319-319, 2012.
4. Pavlinkova, G., T. Chumak, L. Kuthanova, R. Bohuslavova, D. Buckiova, J. Syka. Overexpression of Isl1 Produces Changes in the Inner Ear in Mice. 35th ARO MidWinter Meeting, San Diego, California, USA, February 25-29, 2012.
5. Chumak T., Pavlinkova, G, L. Kuthanova, R. Bohuslavova, D. Buckiova, J. Syka. Conditional overexpression of Isl1 results in vestibular and hearing abnormalities in mice. 28th IBRO World Congress of Neuroscience, Florence, Italy, July 14-18, 2011.
6. Pavlinkova, G., T. Chumak, L. Kuthanova, R. Bohuslavova, D. Buckiova, J. Syka. Overexpression of ISL1 produces changes in the auditory and vestibular systems in mice. 48th Inner Ear Biology Workshop, Lisbon, Portugal September 18-21, 2011.
7. Pavlinkova, G., Bohuslavova R.; Kuthanova L.; Sedmera, D; Bloudickova, S. Molecular Changes Induced by the Teratogenic Environment of Maternal Diabetes in Embryonic Hearts. Platform presentation at 51th Annual Meeting of the Teratology Society, June 25-29, 2011, San Diego, California, USA. Birth Defects Research Part A: Clinical and Molecular Teratology Volume: 91 Issue: 5 Special Issue: SI Pages: 339-339 Published: MAY 2011
8. Pavlinkova, G.; Fritsch, B.; Bohuslavova, R.; Kuthanova, L. LIM-homeodomain Islet1 transcription factor in neurosensory development of the inner ear. Platform presentation at 47th Inner Ear Biology Workshop, Prague, Czechia, August 29th – September 1st 2010.
9. Pavlinkova, G; Kappen, C; Bohuslavova, R; Salbaum, M. Role of HIF1 Pathways in Diabetic Embryopathy. Platform presentation at 49th Annual Meeting of the Teratology Society, Puerto Rico, June 27-July 1, 2009. BIRTH DEFECTS RESEARCH PART A-CLINICAL AND MOLECULAR TERATOLOGY 85 (5):413-413 2009.
10. Kappen, C, Pavlinkova, G; Kruger, C; Salbaum, JM. Implications of Altered Gene Expression in Embryo and Placenta during Diabetic Pregnancy. Platform presentation at 49th Annual Meeting of the Teratology Society, Puerto Rico,, June 27-July 1, 2009. BIRTH DEFECTS RESEARCH PART A-CLINICAL AND MOLECULAR TERATOLOGY 85 (5):410-410 2009.
11. Pavlinkova, G. Gene Expression Profiling in Diabetes Exposed Embryos. Lecture at RNA Club 6th international conference, Prague, Czech Republic, November 28, 2008.
12. Pavlinkova, G. Maternal Diabetes Affects Transcriptional Programs in the Developing Embryo. Presentation at Advanced Genetic Perspectives in Neural Tube Defects, Genoa, Italy, September 27-28, 2008.
13. Kappen, C; Kruger, C; Pavlinkova, G; Salbaum, JM. **Birth Defect Risk in Diabetic Pregnancy: Implications of Altered Gene Expression in Embryo and Placenta.** Platform presentation at 48th Annual Meeting of the Teratology Society, Monterey, CA, June 28-July 2, 2008.
14. Kappen, C; Pavlinkova, G; Kruger, C; Salbaum J.M. Molecular Response of the Embryo and Role of the Placenta. Platform presentation at 47th Annual Meeting of the Teratology Society, Pittsburg, PA, June 23-28, 2007.
15. Pavlinkova, G; Saulbaum J.M; Kruger, C; Kappen, C. Altered Gene Expression Profiles in Diabetes Exposed Embryos. Platform presentation at 46th Annual Meeting of the Teratology Society, Tuscon, Arizona, June 24-29, 2006.
16. Pavlinkova, G; Saulbaum J.M; Kruger, C; Kappen, C. Altered Gene Expression in Embryos Exposed to Maternal Diabetes. Platform presentation at meeting “Integration of Structural and Functional Genomics”, Ames, Iowa, September 22-25, 2005.
17. Pavlinkova, G; Saulbaum J.M; Kruger, C; Kappen, C. Gene Expression Profiling in Diabetic Embryopathy. Platform presentation at meeting “Neural Tube Defects and beyond”, Indian Wells, CA, September 10-13, 2005.
18. Pavlinkova, G; Treece, H.K.; Kruger, C; Salbaum, J.M; and Kappen, C. Gene expression profiling in diabetic embryopathy. Abstract for oral presentation at 45th Annual Meeting of the Teratology Society, St. Pete’s Beach, FL, June 2005.

**Poster presentations (5 years):**

1. Macova I; Dvorakova M; Bohuslavova R; Chumak T; Syka J; Fritzsch B, Pavlinkova G. Interplay between Atoh1 and Neurod1 bHLH transcription factors during inner ear development. 41th Annual MidWinter Research Meeting of the Association for Research in Otolaryngology, San Diego, USA. February 9-14, 2018
2. Macova I; Dvorakova M; Bohuslavova R; Chumak T; Syka J; Fritzsch B, Pavlinkova G. The conditional deletion of bHLH transcription factors by Islet1-Cre in inner ear development. 54th Workshop on Inner Ear Biology and Symposium 2017, 13th - 16th September in Hannover, Germany.
3. Pavlinkova G. Programming of the developing heart by maternal diabetes. The 9th International Symposium DIP 2017 Diabetes, Hypertension, Metabolic Syndrome and Pregnancy, Barcelona, Spain, March 8-12, 2017
4. Macova I; Bohuslavova R; Chumak T; Syka J; Fritzsch B, Pavlinkova G. Combinatorial effects of Atoh1 and Neurod1 deletion on inner ear development. PS 296. 39th Annual MidWinter Research Meeting of the Association for Research in Otolaryngology, San Diego, USA. February 20-24, 2016
5. Dvorakova M, Bohuslavova R, Fritzsch B, Chumak T, Syka J, Pavlinkova G. Sox2 in inner ear neurosensory specification. PS285. 39th Annual MidWinter Research Meeting of the Association for Research in Otolaryngology, San Diego, USA. February 20-24, 2016
6. Macova I; Bohuslavova R; Chumak T; Syka J; Pavlinkova G. Cooperation of Islet1 and bHLH Transcription Factors during Inner Ear Development. 38th Annual MidWinter Research Meeting of the Association for Research in Otolaryngology, Baltimore, USA February 21-25, 2015.
7. R. Cerychova, R. Bohuslavova, G. Pavlinkova. Altered HIF-1 signaling in the embryonic heart exposed to maternal diabetes. DIP2015, Berlin, Germany, April 15-18, 2015.
8. Macova I., Bohuslavova R., Syka J., Chumak T., Pavlinkova G. Cooperation of Islet1 and bHLH Transcription Factors during Inner Ear Development. February 21-25, 2015, Abstract PS-609, p.361. 38th Annual MidWinter Research Meeting of the Association for Research in Otolaryngology, Baltimore, USA.
9. Chumak T., Bohuslavova R., Dodd N., Buckiova D., Syka J., Pavlinkova G. Morphological Changes in the Auditory and Vestibular Systems of Transgenic Pax2-Islet1 Mice. Abstract of the 37th Annual MidWinter Research Meeting of the Association for Research in Otolaryngology, San Diego, USA, 22. – 26. 2. 2014.