

Curriculum Vitae

Personal information **Andreea Barbu**

Work experience

1. Employer: Medical Product Agency
 - Start date: 012016
 - End date:
 - Position: Pharmaceutical assessor
 - Activities: Assessment of pharmaceutical documentation for biological medicinal product development and marketing authorization.
 - Country: Sweden
2. Employer: Uppsala University
 - Start date: 012016
 - End date:
 - Position: Associated Professor in Experimental Endocrinology
 - Activities:
 - Country: Sweden
3. Employer: Uppsala University
 - Start date: 092013
 - End date: 012016
 - Position: Research scientist
 - Activities: Preclinical studies on biocompatibility of biomaterials used for cell therapy applications. Teaching activities in the fields of endocrinology, cell biology, gene and cell therapy.
 - Country: Sweden
4. Employer: Swedish Board of Agriculture
 - Start date: 092013
 - End date: 012016
 - Position: Assessor/Ethical Committee
 - Activities: Assessment of ethical applications for research involving animal models
 - Country: Sweden
5. Employer: Uppsala University
 - Start date: 032009
 - End date: 092013
 - Position: Assistant Professor
 - Activities: Preclinical and translational research projects on neuroendocrine tumor development. Teaching activities in the fields of endocrinology, cell biology, gene and cell therapy.
 - Country: Sweden
6. Employer: Uppsala University
 - Start date: 032004
 - End date: 032009
 - Position: Post doctoral fellow
 - Activities: Preclinical studies on the physiology of pancreatic islet cells with emphasis on their role in diabetes type I. Teaching activities in the fields of endocrinology, cell biology, gene therapy.
 - Country: Sweden
7. Employer: The University of Veterinary Medicine and Agricultural Sciences
 - Start date: 011998
 - End date: 092000
 - Position: Research assistant
 - Activities:
 - Country: Romania

Education and training

1. Subject: Uppsala University
 - Start date: 092000
 - End date: 022004
 - Qualification: Ph. D.
 - Organisation: Preclinical studies in medical cell biology with direct application in the development of diabetes type I. Teaching activities in the field of cell biology.
 - Country: Sweden
2. Subject: University of Bucharest
 - Start date: 091996
 - End date: 071997
 - Qualification: M.Sc.
 - Organisation: Biophysics applied in medicine.
 - Country: Romania
3. Subject: University of Bucharest
 - Start date: 091991
 - End date: 071996
 - Qualification: B.Sc.
 - Organisation: Biophysics
 - Country: Romania

Additional information

Publications

A hybrid of cells and pancreatic islets towards a new bioartificial pancreas. Teramura Y., Nilsson_Ekdahl K. and Barbu A., Regenerative therapy, 2016. Heparinization of cell surfaces with short peptide conjugated PEG_lipid regulates thromboinflammation in transplantation of human MSCs and hepatocytes. Asif S, Ekdahl KN, Fromell K, Gustafson E, Barbu A, Le Blanc K, Nilsson B and Teramura Y. Acta Biomater. S1742_7061(16)30061_7. doi: 10.1016/j.actbio.2016.02.018, 2016. Progranulin stimulates proliferation of mouse pancreatic islet cells and is overexpressed in the endocrine pancreatic tissue of a MEN1 mouse model. Halin_Lejonklou M., Skogseid B. and Barbu A., Pancreas, Oct. 22, 2015. The role of complement factor C3 in lipid metabolism. Barbu A, Hamad OA, Lind L, Ekdahl KN, Nilsson B. Mol Immunol, 67(1):101_7, 2015. Activated pancreatic stellate cells can impair pancreatic islet function in mice. Zang G., Sandberg M., Carlsson P.O., Welsh N., Jansson L. and Barbu A. Upsala J of Med. Sci, 120(3):169_80, 2015. The use of hydrogen gas clearance for blood flow measurements in single endogenous and transplanted pancreatic islets. A. Barbu, L. Jansson, M. Sandberg, M. Quach, F. Palm. Microvasc Res, 97:124_9. doi: 10.1016/j.mvr.2014.10.002. Epub 2014 Oct 23, 2015. Multiple microvascular alterations in pancreatic islets and endocrine tumors of a Men1 mouse model. Chu X., Gao X., Jansson L., Skogseid B. and Barbu A. American Journal of Pathology, 182(6):2355_67, 2013. Blood perfusion of endogenous and transplanted pancreatic islets in anesthetized rats: Effect of lactate and pyruvate. Barbu A., Johansson Å., Bodin B., Källskog Ö., Carlsson P.O., Sandberg M., Lau_Börjesson J. and Jansson L. Pancreas. 2012. Differential pancreatic islet global gene expression in young heterozygous Men1 mice and wildtype littermates. Halin_Lejonklou M., Barbu A., Ståhlberg, P. and Skogseid B. Endocrinology. 2012. Gene Therapy. AR Barbu and N Welsh in: Textbook of Diabetes, Fourth edition, Blackwell Publishing, Oxford, 2010. Overexpression of the Nuclear Factor_κB subunit c_Rel protects against human islet cell death in vitro. Mokhtari D., Barbu A., Mehmeti I., Vercamer C. and Welsh N. Am J Physiol_Endocrinol Metab., 2009. Pref_1 and adipokine expression in adipose tissues of GK and Zucker rats. Barbu A., Persdotter Hedlund G., Lind J. and Carlsson C. Mol. Cell. Endocrin., 299:163_171, 2009. Lipofection of insulin-producing RiNm5F cells: Methodological improvements. Barbu A. and Welsh N. J. Liposome Res., 17(2):49_62, 2007. Diabetes Mellitus: Gene Therapy. AR Barbu and N., Welsh In: ENCYCLOPEDIA OF LIFE SCIENCES. John Wiley & Sons, Ltd: Chichester http://www.els.net/ [DOI: 10.1002/9780470015902.a0005758.pub2], 2007. A perfusion protocol for highly efficient transduction of intact pancreatic islets of Langerhans. Barbu A., Bodin B., Welsh M., Jansson L. and Welsh N. Diabetologia, 49(10):2388_2391, 2006. Adenoviral mediated transduction of human pancreatic islets; importance of adenoviral genome for cell viability and association with a deficient antiviral response. Barbu A., Akusjärvi G., Welsh N. Endocrinology, 146(5), 2005. The use of tetrazolium based assays for determination of cytokine treated islet cells: A cautionary note. Barbu A. and Welsh N. Diabetologia, 2004. Adenoviral induced islet cell cytotoxicity is not counteracted by Bcl_2 overexpression. Barbu A., Akusjärvi G. and Welsh N., Molecular Medicine 8(11), 2002. Cytokine induced apoptosis and necrosis are preceded by disruption of the mitochondrial membrane potential in pancreatic RiNm5F cells: prevention by Bcl_2. Barbu A., Welsh N. and Saldeen J., Mol Cell Endocrinol. 190, 2002. Novel experimental strategies to prevent development of type 1 diabetes mellitus. S Sandler, A. K. Andersson, A. Barbu, C. Hellerström, M Holstad, E Karlsson, J. O. Sandberg, E Strandell, J. Saldeen, J. Sternesjö, L. Tillmar, D. L. Eizirik, M. Flodström and N. Welsh, Upsala J Med Sci 105(2), 2000. Elements of Genetic Engineering. Text Book. Cornea CP, Vatafu I and Barbu AR, All Educational Press, Bucharest, Romania, 1998. A simple and rapid method for plant extranuclear DNA extraction. Cornea C.P., Barbu A., Arsintescu A., Marinescu A., Vassu T., Stoica I. Biotechnology (Rom), 3, 1998. Genetically modified Streptomyces strains producing antibiotics obtained by protoplast fusion. Cornea C.P., Vatafu I., Barbu A., Campeanu G. Biotechnology (Rom) 2(1), 1997.

Projects

Memberships

Other Relevant Information

Swedish alternate delegate , Biological Working Party, EMA Swedish delegate, Cell Therapy Products Working Party, EDQM