

## 7 Publications list

### Publications

Grantcharova E, Furkert J, Reusch HP, Krell HW, Papsdorf G, Beyermann M, Schülein R, Rosenthal W, Oksche A. The extracellular N terminus of the endothelin B (ET<sub>B</sub>) receptor is cleaved by a metalloprotease in an agonist-dependent process. *J Biol Chem.* 2002;277:43933-43941.

Grantcharova E, Reusch HP, Großmann S, Krell HW, Beyermann M, Rosenthal W, Oksche A. N-terminal proteolysis of the ET<sub>B</sub> receptor abolishes its ability to promote differentiation in vascular smooth muscle cells. Submitted.

### Oral presentations

Grantcharova E, Reusch HP, Rosenthal W, Oksche A. The extracellular N terminus of the endothelin B receptor is required for the differentiation of vascular smooth muscle cells. 46<sup>th</sup> Spring Meeting of the German Association of Experimental and Clinical Pharmacology and Toxicology, March 15<sup>th</sup>-17<sup>th</sup>, 2005, Mainz, Germany. *Naunyn-Schmiedberg's Archives of Pharmacology*, Suppl. 1 Vol. 371.

Oksche A, Grantcharova E, Reusch HP, Furkert J, Beyermann M, Rosenthal W. Ligand-induced N-terminal proteolysis of the endothelin B receptor: role and fate of the cleaved N-terminal peptide. 44<sup>th</sup> Spring Meeting of the German Association of Experimental and Clinical Pharmacology and Toxicology, March 17<sup>th</sup>-20<sup>th</sup>, 2003, Mainz, Germany. *Naunyn-Schmiedberg's Archives of Pharmacology*, Suppl. 1 Vol. 367.

Oksche A, Grantcharova E, Furkert J, Beyermann M, Papsdorf G, Rosenthal W. Ligand-induced proteolysis of the extracellular N-terminus of the human endothelin B (ET<sub>B</sub>)

receptor: role and fate of the cleaved N-terminal peptide. 43<sup>rd</sup> Spring Meeting of the German Association of Experimental and Clinical Pharmacology and Toxicology, March 12<sup>th</sup>-14<sup>th</sup>, 2002, Mainz, Germany. *Naunyn-Schmiedberg's Archives of Pharmacology*, Suppl. 1 Vol. 365.

### **Abstracts of proceedings**

Grantcharova E, Reusch HP, Großmann S, Rosenthal W, Oksche A. The extracellular N terminus of the human endothelin B receptor is required for biphasic ERK1/2 activation and re-differentiation of vascular smooth muscle cells. Ninth International Conference on Endothelin, September 11<sup>th</sup>-14<sup>th</sup>, 2005, Park City, Utah, USA.

Mesias IL, Hidalgo MA, Brandt U, Grantcharova E, Burgos RA, Hancke J, Hermosilla R. Signaling pathways of intracellular pH and F-actin reorganization in differentiated HL-60 cells. 46<sup>th</sup> Spring Meeting of the German Association of Experimental and Clinical Pharmacology and Toxicology, March 15<sup>th</sup>-17<sup>th</sup>, 2005, Mainz, Germany. *Naunyn-Schmiedberg's Archives of Pharmacology*, Suppl. 1 Vol. 371.

Grantcharova E, Reusch HP, Rosenthal W, Oksche A. Alterations in the endothelin B receptor-mediated ERK1/2 activation caused by N-terminal cleavage or lack of N-linked glycosylation. 45<sup>th</sup> Spring Meeting of the German Association of Experimental and Clinical Pharmacology and Toxicology, March 9<sup>th</sup>-11<sup>th</sup>, 2004, Mainz, Germany. *Naunyn-Schmiedberg's Archives of Pharmacology*, Suppl. 1 Vol. 369.

Oksche A, Grantcharova E, Furkert J, Reusch HP, Rosenthal W. The significance of the proteolytic cleavage of the N terminus of the endothelin B receptor. Eighth International Conference on Endothelin, November 23<sup>rd</sup>-26<sup>th</sup>, 2003, Tsukuba-City, Ibaraki, Japan.

Grantcharova E, Furkert J, Papsdorf G, Rosenthal W, Oksche A. Functional significance of the N-terminal cleavage of the endothelin B receptor. 7<sup>th</sup> International Dahlem Symposium

on “Cellular Signal Recognition and transduction” September 27<sup>th</sup>-29<sup>th</sup>, 2001, Berlin, Germany.

### **Awards**

Research Awards 2002 of the Department of Medicine, Universitätsklinikum Benjamin Franklin, Frei Universität Berlin, Germany: **1<sup>st</sup> Prize.** Grantcharova E, Jürgensen J, Jandke M, Boese G, Rosenthal W, Oksche A. Mechanisms regulating the down regulation of the endothelin B receptor.

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## 9 Curriculum Vitae

Evelina Grantcharova-Angelova

Date of birth: 27.07.1974

Place of birth: Sofia, Bulgaria

Parents: Konstantin Grantcharov  
Lidia Mirkova-Grantcharova

Education: 1993 - 1999 Medical University, Sofia, Bulgaria  
1988 - 1992 German School, Sofia, Bulgaria  
1981 - 1988 Elementary School, Sofia, Bulgaria

Research activities: 2001-2005 PhD student at the Forschungsinstitut für Molekulare  
Pharmakologie, Berlin and at the Institut für Pharmakologie, Charité  
- Universitätsmedizin Berlin