Relevante Publikationen

Publikation 1:

Nyamaa Amarjargal, B. Mazurek, H. Haupt, N. Andreeva, J. Fuchs, J. Gross
Effects of SERCA and PMCA inhibitors on the survival of rat cochlear hair cells during ischemia in vitro
Physiological Research (in press, 2008)

Publikation 2:

B. Mazurek, **Nyamaa Amarjargal**, H. Haupt, J. Gross.
High potassium concentrations protect inner and outer hair cells in the newborn rat culture from ischemia-induced damage.
Hearing Research 215(2006) 31-38.

Publikation 3:

N. Andreeva, **Amarjargal Nyamaa**, H. Haupt, J. Gross, B. Mazurek
Recombinant human erythropoietin prevents ischemia-induced apoptosis and necrosis in explant cultures of the rat organ of Corti.
Neuroscience Letters 396 (2006) 86-90

Publikation 4:

Y. M. Yarin, **Nyamaa Amarjargal**, J. Fuchs, H. Haupt, B. Mazurek, S. V. Morozova, J. Gross
Argon protects hypoxia-, cisplatin- and gentamycin-exposed hair cells in the newborn rat's organ of Corti.
Hearing Research 201 (2005) 1-9

Erklärung über den Anteil an den Publikationen:

Die Promovendin hatte folgenden Anteil an den eingereichten Publikationen:

Publikation 1:
Nyamaa Amarjargal, B. Mazurek, H. Haupt, N. Andreeva, J. Fuchs, J. Gross
Effects of SERCA and PMCA inhibitors on the survival of rat cochlear hair cells during ischemia in vitro. Physiol Res. (in press, 2008), s. Anlage

(Anteil: 70 %)
Beitrag im Einzelnen: Präparation, Kultivierung, Färbung, Haarzellzählung, Analyse der Daten, Literaturstudium

Publikation 2:
B. Mazurek, **Nyamaa Amarjargal**, H. Haupt, J. Gross.
High potassium concentrations protect inner and outer hair cells in the newborn rat culture from ischemia-induced damage. Hear. Res. 215(2006) 31-38.

(Anteil: 45 %)
Beitrag im Einzelnen: Präparation und Kultivierung, Färbung und Haarzellzählung, Analyse der Daten, Literaturstudium

Publikation 3:
N. Andreeva, **Amarjargal Nyamaa**, H. Haupt, J. Gross, B. Mazurek
Recombinant human erythropoietin prevents ischemia-induced apoptosis and necrosis in explant cultures of the rat organ of Corti. Neurosc. Lett. 396 (2006) 86-90.

(Anteil: 40 %)
Beitrag im Einzelnen: Präparation und Zellkulturexperimente, Färbung, Haarzellzählung, Analyse der Daten, Literaturstudium

Publikation 4: Y. M. Yarin, **Nyamaa Amarjargal**, J. Fuchs, H. Haupt, B. Mazurek, S. V. Morozova, J. Gross
Argon protects hypoxia-, cisplatin- and gentamycin-exposed hair cells in the newborn rat's organ of Corti. Hear. Res. 201 (2005) 1-9

(Anteil: 30 %)
Beitrag im Einzelnen: Präparation, Zellkulturexprimente, Färbung und Haarzellzählung

Berlin, den 13.08.2007

.....	.....
Unterschrift und Stempel des betreuenden Hochschullehrers	Unterschrift der Doktorandin

Publikationsliste

Orginalpublikationen:

Amarjargal N,. Mazurek B, Haupt H, Andreeva N, Fuchs J, Gross J. Effects of SERCA and PMCA inhibitors on the survival of rat cochlear hair cells during ischemia in vitro. Physiol Res 2007; (in press) PMID 17705670.

Gross J, Machulik A, **Amarjargal N**, Moller R, Ungethum U, Kuban RJ, Fuchs FU, Andreeva N, Fuchs J, Henke W, Pohl EE, Szczepek AJ, Haupt H, Mazurek B. Expression of apoptosis-related genes in the organ of Corti, modiolus and stria vascularis of newborn rats. Brain Res 2007;1162:56-68.

Mazurek B, Haupt H, **Amarjargal N**, Yarin YM, Machulik A, Gross J. Up-regulation of prestin mRNA expression in the organs of Corti of guinea pigs and rats following unilateral impulse noise exposure. Hear Res 2007;231:73-83.

Mazurek B, Rheinlander C, Fuchs FU, **Amarjargal N**, Kuban RJ, Ungethum U, Haupt H, Kietzmann T, Gross J. Einfluss von Ischämie/Hypoxie auf die HIF-1-Aktivität und Expression von hypoxieabhängigen Genen in der Kochlea der neugeborenen Ratte. HNO 2006;54:689-97.

Mazurek B, **Amarjargal N**, Haupt H, Gross J. High potassium concentrations protect inner and outer hair cells in the newborn rat culture from ischemia-induced damage. Hear Res 2006;215:31-38.

Andreeva N, **Amarjargal N**, Haupt N, Gross J, Mazurek B. Recombinant human erythropoietin prevents ischemia-induced apoptosis and necrosis in explant cultures of the rat organ of Corti. Neurosci Lett 2006;396:86-90.

Gross J, Machulik A, **Amarjargal N**, Fuchs J, Mazurek B. Expression of prestin mRNA in the organotypic culture of rat cochlea. Hear Res 2005;204:183-90.

Yarin Y.M, **Amarjargal N**, Fuchs J, Haupt H, Mazurek B, Morozova SV, Gross J. Argon protects hypoxia-, cisplatin- and gentamycin-exposed hair cells in the newborn rat's organ of Corti. Hear Res 2005;201:1-9.