

## LIST OF PUBLICATIONS

### Reviews and editorials:

- Chodobski, A. (2006): Possible new mechanism underlying hypertonic saline therapy for cerebral edema. *J. Appl. Physiol.* 100: 1437–1438.
- Redzic, Z.B., Preston, J.E., Duncan, J.A., Chodobski, A., and Szmydynger-Chodobska, J. (2005): The choroid plexus-CSF system: from development to aging. *Curr. Top. Dev. Biol.* 71: 1–52.
- Chodobski, A. and Szmydynger-Chodobska, J. (2001): Choroid plexus: target for polypeptides and site of their synthesis. *Microsc. Res. Tech.* 52: 65–82.

### Book chapters:

- Chodobski, A., Silverberg, G.D., and Szmydynger-Chodobska J. (2005): The role of the choroid plexus in transport and production of polypeptides. In: *The Blood-Cerebrospinal Fluid Barrier*, Zheng, W. and Chodobski, A. (Eds.), CRC Press, Boca Raton, pp. 241–278.
- Szmydynger-Chodobska, J. and Chodobski, A. (2005): Peptide-mediated regulation of CSF formation and blood flow to the choroid plexus. In: *The Blood-Cerebrospinal Fluid Barrier*, Zheng, W. and Chodobski, A. (Eds.), CRC Press, Boca Raton, pp. 101–117.
- Chodobski, A. and Segal, M.B. (2005): In vivo techniques used in the blood-CSF barrier research: Measurement of CSF formation. In: *The Blood-Cerebrospinal Fluid Barrier*, Zheng, W. and Chodobski, A. (Eds.), CRC Press, Boca Raton, pp. 595–605.
- Chodobski, A., Wojcik, B.E., Loh, Y.P., Dodd, K.A., Szmydynger-Chodobska, J., Johanson, C.E., Demers, D.M., Chun, Z.G., and Limthong, N.P. (1998): Vasopressin gene expression in rat choroid plexus. In: *Vasopressin and Oxytocin: Synopsis of Recent Advances in Molecular, Cellular, and Clinical Research*, Zingg, H.H., Bichet, D.G., and Bourque, C. (Eds.), Plenum Press, New York, pp. 59–66.

### Original papers:

- Harrington, J.F., Messier, A.A., Levine, A., Szmydynger-Chodobska, J., and Chodobski, A. (2005): Shedding of tumor necrosis factor type 1 receptor after experimental spinal cord injury. *J. Neurotrauma* 22: 919–928.
- Szmydynger-Chodobska, J., Chung I., Kozniewska, E., Tran, B., Harrington, J.F., Duncan, J.A., and Chodobski, A. (2004): Increased expression of vasopressin  $V_{1a}$  receptors after traumatic brain injury. *J. Neurotrauma* 21: 1090–1102.
- Chodobski, A., Chung, I., Kozniewska, E., Ivanenko, T., Chang, W., Harrington, J.F., Duncan, J.A., and Szmydynger-Chodobska, J. (2003): Early neutrophilic expression of vascular endothelial growth factor after traumatic brain injury. *Neuroscience* 122: 853–867.
- Chung, I., Burkart, A., Szmydynger-Chodobska, J., Dodd, K.A., Trimble, W.S., Miller, K.V., Shim, M., and Chodobski, A. (2003): Expression of two membrane fusion proteins, synaptosome-associated protein of 25 kDa and vesicle-associated membrane protein, in choroid plexus epithelium. *Neuroscience* 116: 349–357.
- Szmydynger-Chodobska, J., Chun, Z.G., Johanson, C.E., and Chodobski, A. (2002): Distribution of fibroblast growth factor receptors and their co-localization with vasopressin in the choroid plexus epithelium. *Neuroreport* 13: 257–259.
- Chodobski, A., Szmydynger-Chodobska, J., and Johanson, C.E. (1999): Angiotensin II regulates blood flow to choroid plexus by interacting with the sympathetic nervous system and nitric oxide. *Brain Res.* 816: 518–526.
- Johanson, C.E., Preston, J.E., Chodobski, A., Stopa, E.G., Szmydynger-Chodobska, J., and McMillan, P.N. (1999): AVP  $V_{1}$ -receptor-mediated decrease in  $Cl^{-}$  efflux and increase in dark cells number in choroid plexus epithelium. *Am. J. Physiol.* 276: C82–C90.

- Johanson, C.E., Szmydynger-Chodobska, J., Chodobski, A., Baird, A., McMillan, P.N., and Stopa, E.G. (1999): Altered formation and bulk absorption of cerebrospinal fluid in FGF-2-induced hydrocephalus. *Am. J. Physiol.* 277: R263–R271.
- Chodobski, A., Szmydynger-Chodobska, and Johanson, C.E. (1998): Vasopressin mediates the inhibitory effect of central angiotensin II on cerebrospinal fluid formation. *Eur. J. Pharmacol.* 347: 205–209.
- Chodobski, A., Szmydynger-Chodobska, and McKinley, M.J. (1998): Cerebrospinal fluid formation and absorption in dehydrated sheep. *Am. J. Physiol.* 275: F235–F238.
- Chodobski, A., Loh, Y.P., Corsetti, S., Szmydynger-Chodobska, J., Johanson, C.E., Lim, Y.-P., and Monfils, P.R. (1997): The presence of arginine vasopressin and its mRNA in rat choroid plexus epithelium. *Mol. Brain Res.* 48: 67–72.
- Szmydynger-Chodobska, J., Monfils, P.R., Lin, A.Y.-J., Rahman, M.P., Johanson, C.E., and Chodobski, A. (1996): NADPH-diaphorase histochemistry of rat choroid plexus blood vessels and epithelium. *Neurosci. Lett.* 208: 179–182.
- Lin, A.Y.-J., Szmydynger-Chodobska, J., Rahman, M.P., Mayer, B., Monfils, P.R., Johanson, C.E., Lim, Y.-P., Corsetti, S. and Chodobski, A. (1996): Immunohisto-chemical localization of nitric oxide synthase in rat anterior choroidal artery, stromal blood microvessels, and choroid plexus epithelial cells. *Cell Tissue Res.* 285: 411–418.
- Chodobski, A., Szmydynger-Chodobska, J., Epstein, M.H., and Johanson, C.E. (1995): The role of angiotensin II in the regulation of blood flow to choroid plexuses and cerebrospinal fluid formation in the rat. *J. Cereb. Blood Flow Metab.* 15: 143–151.
- Szmydynger-Chodobska, J., Chodobski, A., and Johanson, C.E. (1994): Postnatal developmental changes in blood flow to choroid plexuses and cerebral cortex of the rat. *Am. J. Physiol.* 266: R1488–R1492.
- Chodobski, A., Szmydynger-Chodobska, J., Vannorsdall, M.D., Epstein, M.H., and Johanson, C.E. (1994): AT<sub>1</sub> receptor subtype mediates the inhibitory effect of central angiotensin II on cerebrospinal fluid formation in the rat. *Regul. Pept.* 53: 123–129.
- Chodobski, A., Szmydynger-Chodobska, J., Cooper, E., and McKinley, M.J. (1992): Atrial natriuretic peptide does not alter cerebrospinal fluid formation in sheep. *Am. J. Physiol.* 262: R860–R864.
- Chodobski, A., Szmydynger-Chodobska, J., Segal, M.B., and McPherson, I.A. (1992): Effect of central administration of angiotensin II on CSF formation in rabbits. *Prog. Brain Res.* 91: 19–22.
- Segal, M.B., Chodobski, A., Szmydynger-Chodobska, J., and Cammish, H. (1992): Effect of arginine vasopressin on blood vessels of the perfused choroid plexus of the sheep. *Prog. Brain Res.* 91: 139–141.
- Chodobski, A., Szmydynger-Chodobska, J., Segal, M.B., and McPherson, I.A. (1992): The role of angiotensin II in regulation of cerebrospinal fluid formation in rabbits. *Brain Res.* 594: 40–46.
- Szmydynger-Chodobska, J., Szczepanska-Sadowska, E., and Chodobski, A. (1990): Effect of vasopressin on CSF composition and bulk flow in hyperosmolar state. *Am. J. Physiol.* 259: R1250–R1258.
- Chodobski, A. and McKinley, M.J. (1989): Cerebral regulation of renal sodium excretion in sheep infused intravenously with hypertonic NaCl. *J. Physiol. (Lond.)* 418: 273–291.
- Chodobski, A., Szmydynger-Chodobska, J., and Skolasinska, K. (1986): Effect of ammonia intoxication on cerebral blood flow, its autoregulation and responsiveness to carbon dioxide and papaverine. *J. Neurol. Neurosurg. Psychiatry* 49: 302–309.
- Chodobski, A., Szmydynger-Chodobska, J., Urbanska, A., and Szczepanska-Sadowska, E. (1986): Intracranial pressure, cerebral blood flow, and cerebrospinal fluid formation during hyperammonemia in cat. *J. Neurosurg.* 65: 86–91.
- Chodobski, A., Krollicki, L., and Skolasinska, K. (1986): Chemical regulation of the cerebral blood flow in cats with rostral- or preponine transection of the brainstem. *Acta Neurobiol. Exp.* 46: 47–56.

Krolicki, L., Chodobski, A., and Skolasinska, K. (1985): The effect of stimulation of the reticulo-hypothalamic-hippocampal systems on the cerebral blood flow and neocortical and hippocampal electrical activity in cats. *Exp. Brain. Res.* 60: 551–558.