

Curriculum Vitae Dr. Ursula Hartmann

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Academic Career

since 2020	Teaching coordinator for Biochemistry.
since 1996	Group leader at the Institute II for Biochemistry, Medical Faculty, University of Cologne.
1994-1996	Postdoctoral fellow, Max-Planck-Institute of Biochemistry in Martinsried.
1993-1994	Postdoctoral fellow, Institute for Genetics, Heinrich-Heine-University of Düsseldorf.
1988-1993	PhD student, Institute for Genetics, University of Cologne.
1982-1988	Diploma studies in Biology, University of Cologne.

Fellowships and Awards

1997-2003	Fellowship (C1 position) from the „Hochschulsonderprogramm III zur Förderung von Habilitationen an nordrhein-westfälischen Universitäten“.
1989-1991	Fellowship from the graduate program of North Rhine-Westphalia.

Scientific Interests

Function of extracellular Ca²⁺-binding proteins in the nervous system and in metabolism. Molecular biology, cell biology, protein chemistry, neurobiology, mouse biology.

Key Publications

Hirsch, E., Iglesias, A., Potocnik, A.J., **Hartmann, U.** and Fässler, R. (1995). Impaired migration but not differentiation of haematopoietic stem cells in the absence of β_1 integrins. *Nature* 380: 171-175

Hartmann, U. and Maurer, P. (2001). Proteoglycans in the nervous system – the quest for functional roles in vivo. *Matrix Biol.* 20: 23-35

- Schnepp, A., Komp Lindgren, P., Hülsmann, H., Kröger, S., Paulsson, M., **Hartmann, U.** (2005). Mouse testican-2: Expression, glycosylation and effects on neurite outgrowth. *J. Biol. Chem.* 280: 11274-11280
- Röll, S., Seul, J., Paulsson, M., **Hartmann, U.** (2006). Testican-1 is dispensable for mouse development. *Matrix Biol.* 25: 373-381
- Maier, S., Paulsson, M., **Hartmann, U.** (2008). The widely expressed extracellular matrix protein SMOC-2 promotes keratinocyte attachment and migration. *Exp. Cell Res.* 314: 2477-2487.
- Hartmann, U., Hülsmann, H., Seul, J., Röll, S., Midani, H., Breloy, I., Hechler, D., Müller, R., Paulsson, M. (2013) Testican-3: A brain-specific proteoglycan member of the BM-40/SPARC/osteonectin family. *J. Neurochem* 125: 399-409.
- Mommaerts, H., Esguerra, C., **Hartmann, U.**, Luyten, F., Tylzanowski, P. (2014). Smoc2 modulates embryonic myelopoiesis during zebrafish development. *Dev Dyn.* 243: 1375-1390
- Franko, A., Kleist-Retzow, J.C., Neschen, S., Wu, M., Schommers, P., Böse, M., Kunze, A., **Hartmann, U.**, Sanchez-Lasheras, C., Stoehr, O., Huntgeburth, M., Brodesser, S., Irmeler, M., Beckers, J., Angelis, M.H., Paulsson, M., Schubert, M., Wiesner, R.J. (2014). Liver adapts mitochondrial function to insulin resistant and diabetic states in mice. *J. Hepatol.* 60: 816-823
- Brady, J.J., Chuang, C., Greenside, P., Rogers, Z.N., Murray, C.W., Caswell, D.R., **Hartmann, U.**, Connolly, A.J., Sweet-Cordero, E.A., Kudaje, A., Winslow, M.M. (2016). An Arntl2-driven secretome enables lung adenocarcinoma metastatic self-sufficiency. *Cancer Cell* 29(5): 697-710
- Gerarduzzi, C., **Hartmann, U.**, Leask, A., Drobetsky, E. (2020). The Matrix Revolution: Matricellular Proteins and Restructuring of the Cancer Microenvironment. *Cancer Res.* 80(13):2705-2717