

Dr. Dennis Strand, PhD

Commissioner of the Laser Scanning Microscopy Core Facility
Working group leader

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Academia

- 1983-1988 Bachelor of Science, Microbiology, Iowa State University, Ames, Iowa
- 1971-1976 Doctor of Philosophy (PhD), Genetics and Molecular Biology, University of Georgia, Athens, Georgia USA

Career

- since 2005 Commissioner of the Laser Scanning Microscopy Core Facility, Research Center for Immune Therapies (FZI)
- since 1998 Working group leader, I. Med. Clinic, University Medical Center Mainz
- 1989-1998 Working group leader „Developmental Genetics“, German Cancer Research Center Heidelberg
- 1989 In-residence research at the Pasteur Institute, Paris
- 1988-1989 Postdoc, Johannes Gutenberg University, Mainz
- 1985 Visiting scientist, Columbia School of Physicians and Surgeons, New York, New York USA (in laboratory of Professor I. B. Weinstein)

Awards

- 1985-1988 National Institutes of Health pre-doctoral Traineeship, University of Georgia
- 1988 IARC Fellowship for Cancer Research, through the WHO

Reviewer für United States-Israel Binational Science Foundation, Association for International Cancer Research, International Journal of Cancer, Oncogene, Journal of Hepatology, European Journal of Cancer, Journal of Cellular Biochemistry

Selected Publications

Marquardt JU, Fischer K, Baus K, Kashyap A, Ma S, Krupp M, Linke M, Teufel A, Zechner U, Strand D, Thorgeirsson SS, Galle PR, Strand S. SIRT6 dependent genetic and epigenetic alterations are associated with poor clinical outcome in HCC patients. *Hepatology*, 2013 Mar 23. doi: 10.1002/hep.26413.

Kashyap A, Zimmermann T, Ergül N, Bosserhoff A, Hartman U, Alla V, Bataille F, Galle PR, Strand S* and Strand D* (2012). The human Lgl polarity gene, Hvgl-2, induces MET and suppresses Snail tumorigenesis. *Oncogene*. 2012 May 14. doi: 10.1038/onc.2012.162. *equal senior authorship.

Natalio F, Kashyap A, Lorenz S, Kerschbaumer H, Dietzsch M, Tahir MN, Duschner H, Strand S, Strand D, Tremel W. Multi-photon imaging of amine-functionalized silica nanoparticles. *Nanoscale*. 2012 Aug 7;4(15):4680-6. doi: 10.1039/c2nr30660c. Epub 2012 Jun 26.

Barreiros AP, Sprinzl M, Rosset S, Höhler T, Otto G, Theobald M, Galle PR, Strand D and Strand S (2009). EGF and HGF levels are increased during active HBV infection and enhance survival signaling through extracellular matrix interactions in primary human hepatocytes. *Int J Cancer*, 2009, 124, 120-129.

Alla V, Kashyap A, Gregor S, Theobald M, Heid H, Galle PR, Strand D, Strand S. Human leukocyte elastase counteracts matrix metalloproteinase-7 induced apoptosis resistance of tumor cells. *Cancer Lett*. 2008 Sep 18;268(2)

Zimmermann T, Kashyap A, Hartmann U, Otto G, Galle PR, Strand S, Strand D. Cloning and characterization of the promoter of Hvgl-2, the human homologue of *Drosophila* lethal giant larvae (lgl) polarity gene. *Biochem Biophys Res Commun*. 2008 Feb 22;366(4)

Kuphal, S., S. Wallner, C.C. Schimanski, F. Bataille, P. Hofer, S. Strand, D. Strand, and A.K. Bosserhoff. 2006. Expression of Hvgl-1 is strongly reduced in malignant melanoma. *Oncogene*. 25:103-110.

Su, Z., J. Kuball, A.P. Barreiros, D. Gottfried, E.A. Ferreira, M. Theobald, P.R. Galle, D. Strand, and S. Strand. 2006. Nitric oxide promotes resistance to tumor suppression by CTLs. *Journal of immunology*. 176:3923-3930.

Schimanski, C.C., G. Schmitz, A. Kashyap, A.K. Bosserhoff, F. Bataille, S.C. Schafer, H.A. Lehr, M.R. Berger, P.R. Galle, S. Strand, and D. Strand. 2005. Reduced expression of Hvgl-1, the human homologue of *Drosophila* tumour suppressor gene lgl, contributes to progression of colorectal cancer. *Oncogene*. 24:3100-3109.

Strand, S., D. Strand, R. Seufert, A. Mann, J. Lotz, M. Blessing, M. Lahn, A. Wunsch, D.C. Broering, U. Hahn, E.M. Grischke, X. Rogiers, G. Otto, G.J. Gores, and P.R. Galle. 2004. Placenta-derived CD95 ligand causes liver damage in hemolysis, elevated liver enzymes, and low platelet count syndrome. *Gastroenterology*. 126:849-858.

Grifoni, D., F. Garoia, C.C. Schimanski, G. Schmitz, E. Laurenti, P.R. Galle, A. Pession, S. Cavicchi, and D. Strand. 2004. The human protein Hvgl-1 substitutes for *Drosophila* lethal giant larvae tumour suppressor function in vivo. *Oncogene*. 23:8688-8694.

Strand, D., S. Unger, R. Corvi, K. Hartenstein, H. Schenkel, A. Kalmes, G. Merdes, B. Neumann, F. Krieg-Schneider, J.F. Coy, and et al. 1995. A human homologue of the *Drosophila* tumour suppressor gene l(2)gl maps to 17p11.2-12 and codes for a cytoskeletal protein that associates with nonmuscle myosin II heavy chain. *Oncogene*. 11:291-301.

Strand, D., R. Jakobs, G. Merdes, B. Neumann, A. Kalmes, H.W. Heid, I. Husmann, and B.M. Mechler. 1994. The *Drosophila* lethal(2)giant larvae tumor suppressor protein forms homo-oligomers and is associated with nonmuscle myosin II heavy chain. *The Journal of cell biology*. 127:1361-1373. Strand, D., I. Raska, and B.M. Mechler. 1994. The *Drosophila* lethal(2)giant larvae tumor suppressor protein is a component of the cytoskeleton. *The Journal of cell biology*. 127:1345-1360.