


Short Biography

Dr. Dawid Krenc	Academic Qualifications
	Ph.D. (Biochemistry), Kiel, Germany
	Pharmaceutical Biophysics, KCL, UK
	B.Sc. (Pharmacy), Frankfurt, Germany
	Royal Decoration
	-
	Professional Achievements
	Lecturer
	Academic Expertise
	Membrane proteins, <i>Saccharomyces cerevisiae</i> , liposomes, phenotypic and biophysical assays
	Current Research
	Recombinant cytochrome P450
	Fluorescent proteins as tools
	Honors/Awards
	Publications:

Krenc D, Song J, Almasalmeh A, Wu B, Beitz E. (2014).
The arginine-facing amino acid residue of the rat aquaporin 1 constriction determines solute selectivity according to its size and lipophilicity.
Mol Membr Biol, (7-8), 228-38.

Almasalmeh A, Krenc D, Wu B, Beitz E. (2014).
Structural determinants of the hydrogen peroxide permeability of aquaporins.
FEBS J, 281(3), 647-656.

Seeliger D, Zapater C, Krenc D, Haddoub R, Flitsch S, Beitz E, Cerdá J, de Groot BL. (2013).
Discovery of novel human Aquaporin-1 blockers.
ACS Chem Biol, 8(1), 249-256.

Krenc D, Wu B, Beitz E. (2013).
Specific aquaporins increase the ammonia tolerance of a *Saccharomyces cerevisiae mep1-3 fps1* deletion strain.
Mol Membr Biol, 30(1), 43-51.

von Bülow J, Song J, Krenc D, Wu B, Beitz E. (2012).
Zelluläre Wasser- und Glycerinkanäle.
Naturwissenschaftliche Rundschau, 65(11), 561-566.

Song J, Almasalmeh A, Krenc D, Beitz E. (2012).
Molar concentrations of sorbitol and polyethylene glycol inhibit the *Plasmodium* aquaglyceroporin but not that of *E. coli*: Involvement of the channel vestibules.
Biochim Biophys Acta, 1818, 1218-1224.

Beitz E, Becker D, von Bülow J, Conrad C, Fricke N, Geadkaew A, Krenc D, Song J, Wree D, Wu B. (2009).
In vitro analysis and modification of aquaporin pore selectivity.
Handb Exp Pharmacol, 190, 77-92.