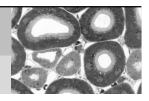


Tubular system and interstitium of the kidney: (Patho-) physiology and crosstalk

Seminar



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MIF-2/D-DT is a cytokine with cell protective and regenerative function in the kidney proximal tubule

The macrophage migration inhibitory factor (MIF) is an inflammatory and stressregulating cytokine with cell protective capacity. MIF-2/D-DT is 30% homologous to MIF and has also been shown to be cytoprotective in ischemia-reperfusion injury in various cell types. Both MIF and MIF-2/D-DT signal through the CD74 receptor to which MIF-2/D-DT is a more selective agonist. Studies in my lab have shown the protective effect of MIF-2/D-DT on the proximal tubule of the mouse kidney in an ischemia-reperfusion model and in hypoxically cultured proximal tubule cells. We show that MIF-2/D-DT treatment induces cell proliferation and stimulates autophagy through activation of eIF2 α and the ATF4 transcription factor.

Time: Location: Monday 16th December 2019,17:15h Pathologie Universitätsklinikum Erlangen Krankenhausstr. 8-10 Oberer Hörsaal, Raum A 2.150 The seminar is video transmitted to: Universität Regensburg Institut für Physiologie Raum VKL 4.1.29





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