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Unconventional Models for Renal Disease: Frogs and Reprogramming



Our group is interested in embryonic renal development and disease.

Which molecular and structural events lead to the formation of a functioning kidney?

How these events are disrupted in hereditary renal diseases is a major focus of our work.

To answer these questions, we employ the model system *Xenopus*, which has many unique advantages for studying renal development and model human genetic conditions. Recently, we also established a method to convert mammalian fibroblasts directly into renal tubule-like cells, without the need for stem cells. Direct reprogramming offers new opportunities to model renal diseases in vitro.

Time: Monday 14th October, 17:15h
Location: Raum VKL 4.1.29
Institut für Physiologie
Universität Regensburg

The seminar is video transmitted to:
Pathologie Universitätsklinikum Erlangen
Krankenhausstr. 8-10
Oberer Hörsaal, Raum A 2.150