interdisziplinäres Zentrum für Klinische Forschung

Clinician Scientist Programme - Biosketch Module Step 1

Title/ First Name/ Last Name

Dr. med. Alexander Zorob

Clinic

Medical clinic 4, Nephrology and Hypertensiology

CV (Current position, academic career, achievements and extracurricular activities, languages)

10/19 – now:
Assistant doctor in the division of nephrology and hypertensiology at the university hospital in Erlangen, Germany
Employer: Medical clinic 4, Ulmenweg 18, 91054 Erlangen Germany (Director: Prof. Dr. Mario Schiffer)
Academic education:
03/13 – 05/19: Friedrich-Alexander-University Erlangen-Nuremberg, Study of medicine
Doctoral dissertation:
06/17 - 12/19
Radiobiological laboratory at the Radiation Clinics of the university hospital in Erlangen:
The spatial distribution of tumor-associated macrophages and tumor-infiltrating lymphocytes in the microenvironment of gliomas.
Languages:
German: First language
English: Excellent command
French: Basic knowledge

Research Area

Renal and Vascular Research

Glomerular diseases

CSP Project Outline

Idiopathic non-genetic focal-segmental glomerulosclerosis (FSGS) is a rare form of kidney disease that belongs to the group of glomerulopathies. In the last decades, incidence of primary FSGS has increased dramatically.
Among different nephrotic syndromes, FSGS is most likely to lead to end stage renal disease (ESRD). It is believed that circulating permeability factors play a key role in developing distinct podocyte damage patterns that cause podocyte effacement, ultimately leading to idiopathic FSGS. However, so far the specific factor leading to FSGS remains unknown. In this project, we wanted to characterize the role of cathepsin L and its potential to induce podocytopathy in a zebrafish model.

Most important/ first Publication (or Title Dissertation)

No further publications yet.