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The Department of Gene Therapy (director: Prof. Dr. Stefan Kochanek, group leader: Dr. Astrid Kritzinger) at Ulm University offers a

PostDoc research position in AAV vector technologies (f/m/d)

You will work in a cooperation project with an industrial partner that aims to improve the functionality of AAV vectors thereby advancing their safety and efficacy.

Within this project, you will:

- Deeply dive into the genomics of AAV
- Design AAV transfer constructs for a library screen
- Produce AAVs and perform functional assays with them
- Cooperate closely with our bioinformatics expert to train a Bayesian Neural Network with your wet-lab results to guide vector improvements
- Learn more about specificity and limitations across serotypes and cell lines
- Report your results regularly to our industry partner
- Publish your results in peer-reviewed journals

Requirements for the position:

- Dr. rer. nat. or PhD in Molecular Medicine, Biology, Biochemistry, Pharmaceutical Biotechnology or related field
- Demonstrated experience with:
 - Molecular genetics (cloning, recombination, mutagenesis)
 - Cell culture, ideally adherent and suspension
 - Virus/viral vector work
- Independent way of working after an initial introduction
- Project planning and management skills
- Precise data analysis and documentation
- Fluent English in conversation, documentation and presentation

We offer:

- Payment according to the German TV-L system
- Flexible working hours
- Integration into a well-proven team
- Insights into the applications and programming of deep learning algorithms as well as of Bayesian inference
- Regular scientific exchange, both at academia and with our industry partner
- A strong profile in Virology and Vector Technologies at Ulm University
- Introduction into the perspective of a biopharmaceutical company

The position is full-time and limited for two years. It may be extended by one more year. The earliest starting time is April 1st 2025. If you are interested please submit the following documents combined in a single pdf-file until February 23rd 2025:

- 1 page motivation letter (including prior research experience)
- 2-3 pages CV
- Publication record
- Name and contact details of 2 referees
- Work certificates if available
- Your earliest possible starting time

Please submit your application via email to astrid.kritzinger@uni-ulm.de.

→ Vertragsart: limited

→ Beschäftigungsart: full-time

→ Bewerbung bis: 23.02.2025

Jetzt bewerben!

Mit Profil bewerben

Die Einstellung erfolgt über die Verwaltung des Klinikums im Auftrag des Landes Baden-Württemberg. Personen mit Schwerbehinderung werden bei gleicher Eignung vorrangig eingestellt. Vollzeitstellen sind grundsätzlich teilbar. Eine an die Befristung anschließende Weiterbeschäftigung ist möglich.