

Inspired

by life

Bayer is a global enterprise with core competencies in the Life Science fields of health care and agriculture. Its products and services are designed to benefit people and improve their quality of life. At Bayer you have the opportunity to be part of a culture where we value the passion of our employees to innovate and give them the power to change.

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Germany

Location
Wuppertal-Aprath

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Reference Code
302201

Group Head - Senior Scientist - Biologics Research AAV Biology (m/f/d)

YOUR TASKS AND RESPONSIBILITIES

- Lead a team of dedicated scientists responsible for designing, validating and executing novel AAV based therapies with biochemical and cell based assays
- Evaluate innovative disease targets and characterize AAV based candidates that address them
- Scout and evaluate state-of-the-art technologies and platforms for AAV based target validation and mechanistic evaluation
- Work in close collaboration with preclinical pharmacology and Bayer's AAV platform to drive our portfolio of product-oriented research programs
- Provide intellectual input on criteria for thorough characterization of novel viral delivery vectors as well as establish and oversee in-house AAV production capabilities and analytics
- Coordinate early project work including next generation sequencing, biodistribution studies and in vivo gene editing studies
- Carry out in vivo AAV-mediated CRISPR based DNA gene modification as well as next generation sequencing and analyze results
- Generate DNA based constructs to optimize packaging and tissue specific expression as well as analyze experimental data followed by presentation and discussion with in-house and external research teams
- Collaborate with national and international research networks and foster external partnering/networking

WHO YOU ARE

- PhD in biochemistry, cell biology, in vitro pharmacology or a related discipline with several years of experience with AAVs in biochemical and cell-based assays for disease mechanism understanding
- Experience with relevant methods including mammalian expression of AAVs, purification and relevant analytical methods
- Understanding of the discovery and development of AAVs as therapeutics
- A background in cardiovascular disease or endocrine mechanism based biology is advantageous and knowledge of human and rodent physiology a plus
- Strong leadership ability along with a high level of assertiveness as well as excellent interpersonal and teamwork skills, outstanding analytical thinking, as well as enthusiasm for hands-on bench work
- Excellent organizational skills, creative and flexible thinking, strong sense of responsibility
- Curiosity and passion for research with strong interest in synthetic biology and gene therapy
- Effective presentation and communications skills and fluent command of English, both verbal and written

YOUR APPLICATION

Are you looking for a new challenge where you can show your passion for innovation?
Are you interested in working as part of a global team to improve people's lives?
Then send us your online application including cover letter, CV and references.

Bayer welcomes applications from all individuals, regardless of race, national origin, gender, age, physical characteristics, social origin, disability, union membership, religion, family status, pregnancy, sexual orientation, gender identity, gender expression or any unlawful criterion under applicable law. We are committed to treating all applicants fairly and avoiding discrimination.



Passion to innovate | Power to change

Science For A Better Life