

Scientist (PostDoc, m/w/d)

Chemical optimization of anti-infective drug molecules

Vision | Trail blazing | Self-directedness | Excellence

Is that you? Perfect! We offer the challenge you are seeking!

Our profile

Our team mission is to meet the increasing threat of antibiotic resistance by developing innovative treatment options.

Within BMBF funded projects, we seek to optimize a novel carbapenemase inhibitor class restoring the activity of the most widely used class of antibiotics (β -Lactams) in collaboration with the Helmholtz Institutes in Neuherberg (structure analysis via NMR and X-ray) and Braunschweig (medicinal chemistry). In addition, our inhibitor class combines beta-lactamase inhibition with standalone antibiotic activity in a unique manner. The focus of this project is the optimization and activity profiling of fragment-based inhibitors.

Your profile

- PhD degree in Chemistry, Biochemistry, Molecular Biotechnology, or Pharmacy with outstanding result
- Experience in biological susceptibility assays on WHO priority I pathogens
- Experience in antibacterial compound optimization
- MedChem experience in industry setting is a plus
- Proven record in patent application
- Enthusiasm for translational science and entrepreneur personality
- Excellent team spirit, presentation, and communication skills

Your tasks

- Activity testing of inhibitory compounds in biochemical assays
- Contribution to fragment based compound design and optimization
- Antibacterial activity determination on WHO priority I pathogens
- MoA analysis of antibacterial activity
- Supervision of technical staff

We offer

- Ambitious and innovation oriented team committed to antibacterial drug development
- Close collaboration with in house medical microbiology department, HMGU, HZI, and industry consultants
- Well-equipped laboratory in our institute close to Munich city center
- Full time position as scientist / PostDoc (m/w/d) from October 1st 2020.
- The position is currently secured for 12 months (salary according to TV-L), with the perspective of extension.
- Perspective to be part of a spin-off endeavor

Application

Are you excited to secure for infectious disease treatment?

Great! We are looking forward to your email application until August 7th.

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Further questions? We are happy to receive your email or phone call!

TUM seeks to increase the portion of female employees. Qualified females are, therefore, explicitly encouraged to apply. Severely disabled persons with essentially comparable qualifications will be preferentially hired.