



Lucia Rosano wants to make the world a better place – for everyone. As a bioscientist at Bayer, Lucia knows she is doing just that. Searching for solutions and never giving up. That is the passion that unites all of us at Bayer. We call it the Bayer Spirit. If you feel it, too, then it is high time we had a chance to talk about a career at Bayer.

## Lead Discovery Scientist/Postdoc - Structure-Kinetics Relationships (m/f)

Bayer Pharma AG, Berlin

Bayer Healthcare Global Drug Discovery together with industrial and academic partners has established a program to investigate the dynamics of drug binding to their molecular targets and the relationship between drug-target residence time and pharmacological profile. To support this program, we are looking for highly skilled and motivated scientists (m/f) with a strong scientific background and relevant expertise in the use of Surface Plasmon Resonance (SPR) and other biophysical methods. Among other tasks, successful applicants (m/f) will design, develop, and implement SPR and other biophysical assays suitable for the characterization of the interactions between small organic molecules and drug targets.

**Job description** As a Lead Discovery Scientist (m/f) at Bayer HealthCare Pharmaceuticals in Berlin, you will drive the progression of your project independently. The focus of your scientific work will be the elucidation of Structure-Kinetics Relationships (SKRs) of a diverse set of target proteins and small molecules, thereby enabling a broader understanding of kinetics in drug discovery. Your projects will integrate a wide variety of technologies, including SPR, ITC, and X-ray structure analysis that are focused to describe molecular aspects of binding kinetics in vitro. You will be embedded in a highly collaborative cross-disciplinary academic and industrial research consortium. You will be expected and highly encouraged to patent and/or publish your results in peer reviewed journals and present your results at international conferences.

The project is scheduled for a five year period.

**Your qualifications** Your profile includes a PhD in biochemistry, biophysics or molecular biology with significant experience in biophysics including kinetic methods (e.g. SPR) and thermodynamic methods (e.g. ITC). You have experience in protein expression (insect cell, mammalian, bacterial), purification and characterization of protein-ligand complexes. You have a profound understanding of the determinants that drive protein-ligand interactions and you are experienced in protein structure determination by X-ray crystallography. Hands-on experience in working with membrane proteins will be a distinct advantage. You have demonstrated your high creativity and independent contributions to science. You are a person with outstanding problem solving ability and willingness to undertake challenging scientific tasks. You have strong interpersonal skills, excellent written and verbal communication skills, and work effectively in a multidisciplinary team.

**Your application** We offer a competitive salary and benefits package and support both individual and professional development. Applications for this position should be made online at [www.myBayerjob.de](http://www.myBayerjob.de), submitting a cover letter, your CV and references.

**[www.myBayerjob.de](http://www.myBayerjob.de)**

**Phone +49 214 30 99779**

Reference Code: 0000040342

Bayer welcomes applications from all individuals, regardless of racial or ethnic origin, skin color, nationality, religion, philosophy, gender, age, disability, appearance or sexual identity. We are committed to treating all applicants fairly and avoiding discrimination.