

The power of connected minds



Ph.D. Student - Microbiome (m/f)

We are the world's leading chemical company because we offer intelligent solutions for our customers and for a sustainable future. We connect and develop people with diverse talents all over the world. For you, this means a variety of ways to advance. Not only your performance but also your personality matter to us, without regard to gender, age, origin, sexual orientation, disability or belief. At BASF, careers develop from opportunities.

Ludwigshafen is the world's largest integrated chemical complex and home to BASF Group headquarters. Located in the heart of Europe's Rhine-Neckar metropolitan region, you will find this to be an attractive place for both work and leisure time.

Learn more about BASF SE at <http://on.basf.com/Headquarters>

What you can expect

Join our unit experimental toxicology and ecology as Ph.D. Student starting in September 2018. The core part of the 36-month Ph.D. project is to conduct several treatments to induce microbiome changes in rats and measure the appearing effects as well as potential intestinal microbial metabolism of used chemicals.

- o You will develop systematically an understanding of the metabolic reactions and the capacity of the intestinal microbiome as well as interindividual variation in humans and common laboratory rat strains.
- o You will work on studies which will elucidate contribution of gut microbiome metabolism in rats and provide a base set of Information.
- o This objective should form the basis for the overall evaluation of the importance / contribution of the gut microbiome to in vivo metabolism.
- o You will elaborate a metabolomic approach for both matrixes microbiome metabolites and their metabolites in the host to assess the consequences of changes in microbiome on its functionality for the host.

What we expect

- o You have earned a degree (M.Sc.) in microbiology, toxicology or biochemistry and already gained solid work experience in your field of studies.
- o Your experience in metabolism, biochemical processes and stem cells will be highly appreciated.
- o Using your sound English language skills, you are able to clearly communicate scientific results to an interdisciplinary team.
- o Furthermore, you are a motivated and creative team player with a keen interest in exploring a broad range of topics.

We offer

From day one you will be part of the BASF family. You will get involved in challenging fields of activity and have the opportunity to work on exciting projects in an

Working area:

Research & Development

Location:

BASF SE, Ludwigshafen

Working hours:

Full-time

Contract type:

Thesis

Reference code:

EN57204892_ONLE_1

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For more information please

contact:

Tel.: 00800 33 0000 33

E-Mail: jobs@basf.com

interdisciplinary environment. Depending on the location of the respective group company you will get to know BASF and participate in various workshops and guided tours. In this way you will make numerous interesting experiences and get a deep insight into the world's leading chemical company.

Information regarding internships: on.basf.com/internship

**Join the best team with more than 110,000 other minds to connect with globally.
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