



Science For A Better Life

CropScience [www.career.bayer.com](http://www.career.bayer.com)

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.

## Microbiologist - Scientist II

Bayer CropScience (BCS), an Equal Opportunity Employer, is a subgroup of Bayer AG. It is one of the world's leading innovative crop science companies in the areas of crop protection, non-agricultural pest control, seeds and traits. The company offers an outstanding range of products and extensive service backup for modern, sustainable agriculture and for non-agricultural applications. Bayer CropScience has a global workforce of 20,700 and is represented in more than 120 countries.

Bayer's corporate culture is an important factor in the company's success. Central to this culture are our values: Leadership, Integrity, Flexibility and Efficiency, summarized by the term LIFE. They provide us with guidance for our daily work as we seek solutions to the major challenges of our time, in line with our mission statement "Bayer: Science For A Better Life".

**Job description** The primary responsibility of this role is to design and implement environmental isolation strategies that target rare or difficult to culture microorganisms such as fastidious bacteria, endophytic bacteria and entomopathogens. Additional responsibilities include growth culture optimization, fermentation optimization, high-throughput screening and large scale data analysis. The position produces critical resources that support ongoing discovery research.

The incumbent will:

- Design and perform field isolations of target microorganisms;
- Develop new techniques to improve diversity of isolated microorganisms;
- Optimize growth conditions of difficult to culture microorganisms;
- Work with an integrated team of scientists to test microbe collection for desired phenotypes;
- Assist in library maintenance and long term viability of isolated organisms;
- Manage confidentiality of competitive know-how;
- Ensure compliance with all existing safety and stewardship standards in the area of responsibility, taking into account laws, regulations and directives, and evaluate potential risks of the research activities;
- Identify and assist in establishing internal and external collaborations and assist in improving current processes by establishing new techniques and protocols.

**Your qualifications** The selected candidate is required to possess the following:

- A Ph.D. in microbiology or a related discipline and 3+ years of relevant experience working with environmental microbes, or MS in microbiology or a related discipline and 5+ years is preferred.

- A MS in microbiology or a related discipline and 2+ years of experience, or BS with 7 years of experience is required.
- Extensive knowledge of environmental isolation techniques with an emphasis on difficult to culture bacteria;
- Experience with laboratory fermentation optimization;
- Experience with molecular and traditional taxonomic classification of microbes;
- Experience with next generation sequencing and metagenomics analysis;
- Experience with long term storage and maintenance of a large scale microbial collection;
- Creative and flexible thinking;
- A demonstrated record of consistency and accuracy working in a technical environment;
- Prior experience working in a team environment and ability to adapt to the atmosphere of a dynamic research organization;
- Ability and motivation to learn new techniques and to design new experiments;
- Excellent organizational and record-keeping skills;
- Proficient verbal and written communication skills and presentation skills;
- Proficient Computer skills: MS Office, other scientific programs as needed;
- High attention to detail;
- Ability to work independently with minimum supervision and as a member of a multidisciplinary research team.

\*Salary and grade level will be commensurate with experience and/or education level.

**Your application** We offer a wide variety of competitive compensation and benefit programs. In addition to a competitive base salary, you will be eligible for an array of innovative rewards and recognition programs, variable pay and incentive opportunities as well as benefits coverage beginning on your first day of employment. We are committed to helping our employees maintain a healthy balance between their responsibilities at work and home. You will be eligible for paid time off programs, paid company holidays, flexible work options and numerous site conveniences. We are also committed to supporting your professional development through career ladders, training programs, tuition assistance and professional association events.

If you meet the requirements of this unique opportunity, we encourage you to explore how you can make a difference at Bayer by applying now.

To all recruitment agencies: Bayer does not accept unsolicited third party resumes.

**[www.career.bayer.us](http://www.career.bayer.us)**

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