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UNIVERSIDAD COMPLUTENSE DE MADRID



## The ANTIMICROBIAL RESISTANCE UNIT in MADRID is HIRING

### Postdoctoral Research Fellow in Microbiology, Molecular Biology or Bioinformatics

**Location:** Madrid, Antimicrobial Resistance Unit, Complutense University

**Contract Type:** 3 years, Start April 2025

**Closing Date:** February 10<sup>th</sup> 2025

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#### The Role

We are seeking a motivated Postdoctoral Research Fellow to join our research team in the Antimicrobial Resistance Unit (ARU) in Madrid. This position provides an exciting opportunity to contribute to cutting-edge research addressing antimicrobial resistance (AMR), leveraging expertise in genomic and metagenomic analysis, phage biology, and bioinformatics in the context of One Health.

At ARU we are committed to scientific excellence, fostering innovation, and translating research into real-world impact. We offer an environment where collaboration, creativity, and ambition thrive. You will work alongside experts dedicated to advancing One Health principles and tackling global challenges in public health and sustainability.

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#### Key Responsibilities

- Analyze high-throughput sequencing (Illumina and Nanopore) to identify pathogens and analyze resistomes, palasmidomes and microbes in metagenomes.
- Investigate bacterial resistance mechanisms to phages and characterize therapeutic phages using advanced genomics.
- Collaborate in preparing publications and presenting research findings at international conferences.
- Participate in the activities from ARU including international collaborations world-wide.

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#### About You

You will hold a PhD in Microbiology, Molecular Biology, Bioinformatics, or a related discipline and bring proven expertise in bioinformatics, molecular microbiology and AMR research. Your technical skills should include advanced bioinformatics analysis and resistome/microbiome/metagenome characterization.

Experience in international collaborations, a commitment to mentorship, and additional language skills will be advantageous. You should be driven by a passion for solving complex scientific problems and eager to make a meaningful impact.

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## Why Join Us?

At ARU, we strive to create an inclusive and vibrant research culture where innovation and collaboration are key. Our facilities and commitment to tackling global challenges ensure that you will have the resources and support to excel. We value diversity and welcome applications from individuals of all backgrounds.

ARU is working for several years in advancing One Health and AMR research, known for its interdisciplinary approach and global partnerships. By joining us, you will contribute to science while developing your career in an inspiring, collaborative, fun and supportive environment.

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## How to Apply

To apply, please send the following documents to [aru@ucm.es](mailto:aru@ucm.es)

- A detailed CV, including a full list of publications.
  - A motivation letter describing your research interests and how they align with this position.
  - Contact details for at least two professional referees.
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