

# Postdoctoral Positions Available at Bilkent University National Nanotechnology Research Center

For questions and application: [kasirga@unam.bilkent.edu.tr](mailto:kasirga@unam.bilkent.edu.tr)

Please send your CV and a short letter of motivation to the contact email to apply.

**Deadline: June 30, 2022**

Postdoctoral positions are available at 2D&Strongly Correlated Materials Lab led by Dr. T. Serkan Kasirga ([www.scmlab.org](http://www.scmlab.org)). Positions are available as part of the TUBITAK projects and will be contracted for 1+1 year. Salary<sup>1</sup> and other benefits will be disclosed during the interviews. The candidates are required to have a Ph.D. in physics or a relevant field. Additional requirements/requisites for the position are listed below.

The post-doctoral associate will oversee the research efforts on photoresponse measurements in various low dimensional materials using scanning photocurrent microscopy. The candidate is expected to co-lead a group of graduate students. The candidate will contribute to the crystal synthesis, device fabrication, characterization, and measurement efforts. Moreover, the candidate is expected to write proposals and research papers. All the activities above will be conducted under the guidance and supervision of Dr. Kasirga.

Requirements:

- The candidate is expected to have a Ph.D. degree in physics or a relevant field, or the degree to be obtained within 3 months,
- Strong track record showing independent research capabilities of the candidate,
- Hands on experience with experimental methods and relevant equipment such as XRD, XPS, SEM, AFM, optical lithography, clean room is a plus,
- Experience on low dimensional materials and phase transitions is a plus,
- The candidate should be able to communicate fluently in English,
- The position is open for any nationality,
- Women are strongly encouraged to apply,

**The candidate will enjoy:**

- The candidate will be a part of a highly competitive research group,
- Ability to conduct research in an open and collegial environment,
- On-campus housing,
- International environment and collaborations,
- Research in a well-equipped environment,
- Highly motivated research atmosphere

## About Bilkent UNAM

Bilkent University UNAM was established in 2007 as a National Laboratory in Bilkent to develop international scientific and technological excellence in disciplines such as material sciences and engineering, electrical and electronic engineering, mechanical engineering, physics, chemistry, molecular biology, under the umbrella of nanoscience and nanotechnology. Later, it became one of the first four National Research Centers in Turkey, receiving qualification on August 16, 2017, within

---

<sup>1</sup> Net salary is 7500 TL/month determined by TUBITAK. Additional allowance is provided by UNAM and Bilkent University

the scope of the Law No. 6550 on the Support of Research Infrastructures. Bilkent University UNAM provides a vibrant transdisciplinary ecosystem with a distinguished academic staff (53 academic staff), its advanced research infrastructure (over 400 instruments) that supports the 'open lab' concept, and 421 researchers and staff to carry out scientific studies at the highest level on an area of 10,464 m<sup>2</sup>. The success of UNAM academic staff has been certified with funding programs such as ERC (European Research Council), EMBO (European Molecular Biology Organization) and NIH (United States National Institute of Health), national academic memberships and 157 awards, 82 of which are national and 75 international.

As a metric of quality, 304 articles were published in Nature Indexed journals from Bilkent University UNAM. UNAM, which has the most articles published in these journals in Turkey so far as a "national lab", owns 7.2% of all publications. Bilkent UNAM, which was selected for a special large-scale program within the scope of the Law No. 6550 on the Support of Research Infrastructures, develops its own research structure with a budget of more than 100 million TL. With this support, Bilkent UNAM serves as a national lab to over 1.800 users with 118 universities from the academy and 114 companies from the industry. Nevertheless, UNAM has contributed to the commercialization of many high-tech products with the birth of 25 spin-off companies and a total of 122 patent registrations, 50 of which are national and 72 international. While managing 277 R&D projects with its intensive and successful R&D program so far, thanks to the Bilkent University Materials Science and Nanotechnology (MSN) Graduate Program within UNAM, 570 thesis studies were completed, and 264 graduate and doctoral students were graduated with the aim of training highly qualified researchers. Today, Bilkent UNAM graduates are the scientists sought in R&D studies. Materials Science and Nanotechnology (MSN) Graduate Program is particularly suitable for students who are graduates of Materials Science and Engineering, Physics, Chemistry, Biology, Molecular Biology and Genetics, Electrical and Electronic and Electronics Engineering, Mechanical Engineering and want to pursue careers in nanoscience and nanotechnology.

At UNAM, with our focus on SCIENCE, SOCIAL BENEFIT, INNOVATION and our "national lab" identity, we work to produce new development, added value, qualified workforce and international level of knowledge and technology that will be beneficial to the world and humanity.