

## CAREER OPPORTUNITY

The Council for Scientific and Industrial Research (CSIR) is a leading scientific and technology research organisation that researches, develops, localises and diffuses technologies to accelerate socio-economic prosperity in South Africa. The organisation's work contributes to industrial development and supports a capable state.

### Principal Researcher: Biophotonics

#### About the job:

The CSIR has vacancy for a **Principal Researcher** in the Photonics Centre within the Mining Manufacturing Defence and Security Division. The incumbent will be required to ensure science, engineering, and technology (SET) excellence are provided and also provide research leadership within the research group. The position is based in CSIR Pretoria.

For more info about the unit, please visit: <http://www.csir.co.za/lasers/>

#### Key responsibilities:

- Define and execute R&D projects to support the group's R&D programme;
- Develop project proposals for the Parliamentary Grant and external funding;
- Interact effectively with other professionals across the biophotonics research group, within the CSIR, and from stakeholders and industry;
- Manage projects executed within the biophotonics group;
- Execute Biophotonics experiments in optics, laser physics, cell biology and molecular biology;
- Supervise and support supervision of junior staff including master's and doctoral students aligned with the group's requirements;
- Develop sound working knowledge of all the equipment required for the execution of projects.

#### Qualifications, skills, and experience:

- A Doctoral qualification in biological or physical sciences with at least eight years' research experience in any of the following fields of field: physics, biochemistry, molecular biology, virology, and chemistry;
- Demonstrable research skills, proposal and report-writing and project management skills as indicated by a track record of projects, publications, and other research outputs;
- Experience in EHS and Quality Management Systems (ISO 9001, OHSAS 18001, ISO 14001);
- Must be registered with a professional body;
- Ability to provide scientific and technical leadership in a multi-disciplinary research field;
- Ability to generate new knowledge and innovate;
- Good interpersonal and team skills;
- Ability to work independently, as well as in a team;
- Problem-solving and solution-seeking orientation;
- Excellent English communication, presentation and writing skills, including the publication of technical outputs;

- Networking abilities to proactively establish and maintain links with internal and external stakeholders and clients, as well as the research community;
- Experience in lasers and laser applications are essential. Training on various Biophotonics techniques and equipment will be provided as required;
- Experience in HIV-1, TB or other pathogens and molecular biology techniques will be advantageous;
- Excellent team player;
- Skills and experience in scientific research leadership.

Should you meet the above requirements, please email your CV to [executiverecruitment@csir.co.za](mailto:executiverecruitment@csir.co.za) with your name and surname, position title and reference number in the subject line, **(eg. John Smith: Job title: Reference No: 311679)**

**Closing date: 23 January 2022**

**PLEASE NOTE THAT FEEDBACK WILL BE GIVEN TO SHORTLISTED CANDIDATES ONLY.**

For more info, please email us at [recruitment01@csir.co.za](mailto:recruitment01@csir.co.za). Please **do-not** send your application to this mailbox, it is only for inquiries.

*The CSIR is an equal opportunity employer. As such, it is committed to the employment Equity Act and will through the filling of this vacancy, give preference to candidates from designated groups in terms of the Employment Equity Act. By applying for this position at the CSIR, the applicant understands, and agrees that the CSIR may solicit a credit and criminal report from registered credit bureau and/or South African Police Services (in relation to positions that requires trust and honesty and/or entail the handling of cash or finances), and may also verify the applicant's educational qualification and employment history. **The CSIR reserves the right to remove the advertisement at any time before the stated closing date and it further reserves the right not to appoint if a suitable candidate is not identified.***