The Agricultural Research Council (ARC) is a premier science institution that conducts research with partners, develops human capital and foster innovation in support of the agricultural sector. It provides diagnostic, laboratory, analytical, agricultural engineering services, post-harvest technology development, agrochemical evaluation, consultation and advisory services, food processing technology services as well as various surveys and training interventions. Through its wider network of research institutes and experimental farms, the ARC provides a strong scientific base and a broadly distributed technology transfer capacity to the entire agricultural industry in South Africa.

The ARC-Vegetable, Industrial and Medicinal Plants (ARC-VIMP) seeks to appoint highly skilled, experienced and dynamic persons to the following positions at Roodeplaat, Pretoria:

SPECIALIST RESEARCHER - CROP PROTECTION

Key Performance Area:

- Strategic planning and positioning of research programme nationally and internationally.
- Providing scientific leadership in a specific field of research in multi-disciplinary teams, which will include quality control of all scientific outputs, projects, proposals, scientific publications, reports, scientific presentations, popular publications, and presentations with increased emphasis on innovation and sustainability.
- Planning and coordinating research activities, Oversight on the management of research material and equipment, oversight on research outcomes and writing management reports, disseminating information and oversight on publishing research results as well as fostering collaboration and building alliances.
- Managing all technology transfer initiatives of the multidisciplinary team across the commodities, leading the generation and commercialisation of Intellectual Property.
- Human Capacity Development that includes outputs of mentoring and developing others (internal staff) and developing self.
- Safety, health, and environment.
- Scientific status of the research environment.

Requirements:

- A PhD or DSc in Plant Pathology, Mycology, Bacteriology, Plant Virology, Nematology, Entomology, Biotechnology, or related disciplines.
- Managerial qualifications will be an added advantage.
- At least 8-10 years' experience in the management of research teams in any of the disciplinary areas.
- At least 8-10 years post PhD experience.

- Proven track record of research management in at least one of the Crop Protection related areas, with working knowledge of the other areas in Crop Protection.
- Extensive publication record, with a minimum of 20 – 25 publications.
- Proven track record for generating external income for research programme and projects in programme.
- Proven track record of building national and international partnerships and networks.
- Proven track record of strategic and operational planning skills and expertise.
- Proven track record of mentoring and supervising/co-supervising MSc and PhD students.
- NRF rating of at least C1 will be an added advantage.
- Registration with a scientific and professional body will be an added advantage.

NB: Applicants who previously applied don't have to re- apply.

Enquiries: Dr M Truter: Tel: (012) 808 8000

SENIOR RESEARCHER – NUTRACEUTICAL & BIOCHEMISTRY

Key Performance Area:

Project Management & Coordination.

The Senior Researcher is responsible for the coordination and supports the management of Research Projects across the Institute; these include supporting and coordination of the following aspects of the projects.

- Project planning and Initiation.
- Equipment and Research Materials.
- Project Human Resources.
- Project Finances.
- Risk Management and Mitigation.
- Monitoring, Evaluation, reporting and project close out.

Research, Development, and Innovation

The Senior Researcher is responsible for the coordination and supports the management of Research, development, and innovation, these include the supporting and coordination of the following Research aspects.

- Invention.
- Translation.
- Commercialisation.
- Adoption and Use.

Research Collaboration

The Senior Researcher is responsible for the coordination and supports the management of strategic research collaboration and collaboration opportunities; these include the supporting and coordination of,

- Strategic Research partnerships / networks / collaborators.
- Intra-Inter Institutional Collaboration & Partnerships.

Human Capacity Building

The Senior Researcher is responsible for coordination and supports the management of Human Capacity Development that includes support of.

- Project staff and students.
- Self.

Requirements:

- Relevant PhD or DSc in Food Science/Biochemistry, or closely related discipline.
- Minimum of 5 years (post PhD) relevant experience in product development R&D.
- Minimum of 8 relevant peer reviewed publications.
- Demonstrable experience in agroprocessing and product development.
- Demonstrable experience in project management, postgraduate student supervision or mentoring.
- Agricultural research knowledge and skills.
- Demonstrable experience in external income generation and/or intellectual property generation and management is an added advantage.
- Demonstrable record of national recognition.

Enquiries: Prof S Amoo: Tel: (012) 808 8000

SENIOR RESEARCHER – *IN VITRO* PROPAGATION

Key Performance Area:

Project Management & Coordination

The Senior Researcher is responsible for the coordination and supports the management of Research Projects across the Institute; these include supporting and coordination of the following aspects of the projects.

- Project planning and Initiation.
- Equipment and Research Materials.
- Project Human Resources.
- Project Finances.
- Risk Management and Mitigation.
- Monitoring, Evaluation, reporting and project close out.

Research, Development, and Innovation

The Senior Researcher is responsible for the coordination and supports the management of Research, development, and innovation, these include the supporting and coordination of the following Research aspects.

- Invention.
- Translation.
- Commercialisation.
- Adoption and Use.

Research Collaboration

The Senior Researcher is responsible for the coordination and supports the management of strategic research collaboration and collaboration opportunities; these include the supporting and coordination of

- Strategic Research partnerships / networks / collaborators.
- Intra-Inter Institutional Collaboration & Partnerships.

Human Capacity Building

The Senior Researcher is responsible for coordination and supports the management of Human Capacity Development that includes support of

- Project staff and students.
- Self.

Requirements:

- Relevant PhD or DSc in Plant Physiology, Plant Biotechnology, Plant Production, Botany, Horticulture, or closely related discipline.
- Minimum of 5 years (post PhD) relevant experience in plant tissue culture–related research.
- Minimum of 8 relevant peer reviewed publications.
- Demonstrable experience in plant tissue culture method development and validation
- Demonstrable experience in project management, postgraduate student supervision or mentoring.
- Agricultural research knowledge and skills.
- Demonstrable experience in external income generation related to economic plant (including medicinal, essential oil and industrial plants) propagation and cultivation R&D is an added advantage.
- Demonstrable record of national recognition.

Enquiries: Prof S Amoo: Tel: (012) 808 8000

SENIOR RESEARCHER – GENOMICS

Key Performance Area:

Project Management & Coordination

The Senior Researcher is responsible for the coordination, support, and management of Genomic and Proteomic Research Projects across the Institute; these include supporting and coordination of the following aspects of the projects.

- Project planning and Initiation.
- Equipment and Research Materials.
- Project Human Resources.
- Project Finances.
- Risk Management and Mitigation.
- Monitoring, Evaluation, reporting and project close out.

Research, Development, and Innovation

The Senior Researcher is responsible for the coordination and supports the management of Research, development, and innovation, these include the supporting and coordination of the following Research aspects.

- Invention.
- Translation.
- Commercialisation.
- Adoption and Use.

Research Collaboration

The Senior Researcher is responsible for the coordination and supports the management of strategic research collaboration and collaboration opportunities; these include the supporting and coordination of,

- Strategic Research partnerships / networks / collaborators.
- Intra-Inter Institutional Collaboration & Partnerships.

Human Capacity Building

The Senior Researcher is responsible for coordination and supports the management of Human Capacity Development that includes support of,

- Project staff and students.
- Self.

Requirements:

- Relevant PhD or DSc in Biochemistry/Genetics/Biotechnology or related discipline.
- Minimum 5 years of experience of relevant research environment post PhD.
- A minimum of 8 relevant scientific publications in peer reviewed journals.
- Demonstrable experience in genomic applications in Plant Sciences.
- Demonstrable experience designing and execution of genomics research.
- Agricultural research knowledge and skills.

- Proven record of obtaining research funding is required.
- Demonstrable experience in project, personnel, project finance management and postgraduate student supervising/mentoring.
- Demonstrate experience in income generation is an added advantage.
- Established national and international collaboration in area of research.

Enquiries: Prof MW Bairu: Tel: (012) 808 8000

CLOSING DATE FOR APPLICATIONS: 21 JUNE 2024

Competitive remuneration package will be congruent with the scope, responsibilities, and the stature of the position. The appointment will be subject to a positive security clearance and preference will be given to designated groups in terms of the ARC Employment Equity Plan. Permanent appointments are subject to six (6) months' probation period. The Agricultural Research Council is an equal opportunity employer and is committed to the principles and processes of Employment Equity Act.

Applications accompanied by covering letter, detailed CV (Including certified copies of certificates, supporting documents, copy of driver's license) must be attached on the form.

- To apply for **Specialist Researcher Crop Protection** https://forms.office.com/r/2LGvumudS1
- To apply for **Senior Researcher Nutraceutical and Biochemistry**

  https://forms.office.com/r/KiKLVfvYdv
- To apply for **Senior Researcher In Vitro Propagation** https://forms.office.com/r/EeUtRKyGER
- To apply for **Senior Researcher Genomics**. https://forms.office.com/r/EBzv6ShtPz

NB: Non-RSA citizens with work permit must attach certified copies as well as the names and particulars of three (3) traceable referees.

SAQA evaluation report must accompany foreign qualifications. Incomplete applications will not be considered. Applicants who do not receive any response four (4) weeks after the closing date must regard their applications as unsuccessful. The company has the right not to appoint.