



## RULES AND REGULATIONS

### L'OREAL-UNESCO FOR WOMEN IN SCIENCE SOUTH AFRICAN NATIONAL PROGRAMME

#### 1. Introduction

The first edition of the L'Oréal-UNESCO *For Women in Science* South African National Programme aims to promote and encourage young women in science. This programme identifies and rewards talented young female scientists in the field of Formal sciences, Life sciences, Environmental sciences, Physical sciences, Engineering and Technological sciences.

The programme was previously the L'Oréal-UNESCO For Women in Science sub-Saharan Africa Regional programme. Since its inception in 2010, the programme grew significantly and with the vision of empowering more young female scientists, we have decided to split the initial programme into two programmes:

- A new national programme for South Africa
- The regional programme for the 48 other countries in the Sub-Saharan Africa region

The Programme will honour, 7 talented South African women for the quality of their research and encourages them to pursue a career in science in any South African Province.

- **5 research grants of R80 000 each**, will be granted to 5 PhD students enrolled at a South African institution and completing their doctorate in a research laboratory.
- **2 research grants of R165 000 each**, will be granted to 2 South African post-doctoral researchers working in a laboratory or research institute registered in one of the South African provinces.

The L'Oréal-UNESCO For Women in Science South Africa national fellowships are awarded within the framework of L'Oréal-UNESCO For Women in Science's partnership.

## **2. Eligibility Criteria**

Applicants must meet the following general criteria:

- Having obtained a Ph.D. degree in Formal sciences, Life sciences, Environmental sciences, Physical sciences, Engineering and Technological sciences or pursuing studies leading to a Ph.D. degree at a South African university
- Be a South African Citizen
- Working in a Research Laboratory or Institution or being enrolled in a doctoral programme at a University in South Africa
- Candidates must be no more than 40 years old by the end of the application period for PhD and for Post-doctoral awards

### **Please note:**

Candidates who have already been awarded a L'Oréal-UNESCO *For Women in Science* research grant are not eligible.

## **3. Selection Criteria**

The selection criteria of the candidate by the jury are the following:

- The candidate's outstanding academic records (including number, quality and impact of the publications (impact factors to be submitted), conference presentations, patents...)
- The scientific quality of the research project
- The innovative nature and productivity of the research and its potential application in science
- The ability of the candidate to communicate and promote sciences to a younger audience and to encourage young African female scientists.
- The candidate's career-path

## **4. Grant definition and use**

There are 7 research grants

- Candidates in the "Doctoral" category receive an award of R80 000 each
  - Candidates in the "Post-doctoral" category receive an award of R160 000 each
- a. These awards are grants. Awards are paid directly to beneficiaries by L'Oreal South Africa after the award ceremony, and following receipt of originals of the documents required for the bank transfer. Each female scientist is responsible for meeting her fiscal obligations concerning the award.

Awards are non-renewable. They may be combined with other allowances, including other donations, awards, salaries other research grants.

b. Use

The awards are intended for the female scientists themselves and must be exclusively devoted to advancing research in their country or the researcher in their professional environment.

Examples:

- Purchase of computer equipment or advanced equipment. It is understood that the awards do not relieve the laboratory of its responsibilities towards its researchers. As a result, awards cannot be used to purchase basic laboratory equipment.
- Travel in the country or abroad to meet experts or form working relationships
- Funding to attend conferences and congresses, etc.
- Purchase of scientific papers

## 5. Candidatures

Applications can be only made through the online platform [www.forwomeninscience.com](http://www.forwomeninscience.com) by the candidates themselves.

An application is considered complete only if it includes all documents below:

- Certified copies of the degrees or recent diplomas
- A proof of having obtained a Ph.D. degree for postdoctoral candidates
- A proof of being enrolled at a South African University for doctoral candidates
- A detailed project summary of a maximum 2 pages, including:
  - o The project description of the current research project
  - o The proposed use of the grant motivating the candidature with some budget indications. Provide insight into what the grant will be used for e.g. conferences, travel or equipment
- Letters of recommendation from the research supervisor and/or the director of the scientific institution where the research project is carried or the Dean of the University under which the candidate is running her research
- The list of publications and patents

Incomplete files or received after the deadline for application, as well as candidatures that do not meet the requirements mentioned above, will not be taken into consideration.

## Candidates Selection

Candidates will be selected by the *For Women in Science* Jury for the South African programme

The results will be communicated by telephone and email to the 7 researchers after the Jury's deliberation. The results must remain confidential until the awards ceremony.

The decision of the jury cannot be contested or subject to explanation or justification.

## 6. Candidates Commitment

Candidates commit to:

- Pursue the research work for which the L'Oréal-UNESCO *For Women in Science* South African National programme grant was obtained. Within one year after receiving their grant, the young researchers are expected to submit a status report on the awarded research project to the L'Oréal Foundation
- Within one year after receiving their grant, the young researchers are expected to submit to the L'Oréal Foundation a final financial expenditure statement on the actual Fellowship expenditure incurred on the Research Project.
- The awarded Fellows must attend the **Fellowship Ceremony that will be held in Johannesburg, South Africa in October 2019. All recipients will also have to attend leadership training and the sub-Saharan Africa ceremony in Dakar, Senegal (17-21 November)**. All flight and accommodation expenses for the research grant recipients will be covered.

The payment of the grant will be made directly to the recipients after the Awards ceremony, and after having received the original documents for the transfer of funds. (i.e. An original bank stamped confirming your banking details).

The grants are not transferable for any other purpose whatsoever.

## 7. Communication

The young researchers shall mention the grant in all related communications under the name "L'Oréal-UNESCO For Women in Science South African National Programme", in all publications and other forms of media communication, including media appearances, press releases and conferences, that result from or are in any way connected to the Research project wherever possible.

The young researchers should inform L'Oréal South Africa of any publications and other forms of media communication as above.

They agree to be photographed, filmed and interviewed for non-commercial objectives and *For Women in Science* programme-related purposes. These photos, videos and texts will be used in publications and audiovisual means including but not limited to written press, television, internet, photographs and brochures including distribution to the media in South Africa and worldwide. Each of the award recipients shall sign a separate written authorization. They will not receive any remuneration for such promotional activity.

## **8. Provisional Timetable**

- Launch call for applications – 20 March 2019
- Closing date - 15 May 2019
- Evaluation by adjudicators – May 2019
- Evaluation by Jury members – July 2019
- Jury deliberation meeting – August 2019
- Ceremony date – October 2019

## **9. Rules and Regulations**

By responding to the call for applications for the L'Oréal-UNESCO *For Women in Science* South African National Programme, the candidate is deemed to have accepted these rules.

For more information visit [www.forwomeninscience.com](http://www.forwomeninscience.com) or email your queries to [commsza@loreal.com](mailto:commsza@loreal.com)

## Annexure 1

### List of provinces covered by the programme

Limpopo  
North West Province  
Mpumalanga  
Free State  
Kwazulu Natal  
Eastern Cape  
Western Cape  
Northern Cape  
Gauteng

## Annexure 2 – List of scientific disciplines

### Formal sciences

<b>Mathematics:</b>	<b>Information Technology and Information Science:</b>		
<ul style="list-style-type: none"><li>- Pure mathematics</li><li>- Applied mathematics</li><li>- Discrete mathematics</li><li>- Statistics and probabilities</li></ul>	<ul style="list-style-type: none"><li>- Theoretical computer science</li><li>- Machine architecture</li><li>- Networks</li><li>- Databases</li><li>- Language theory</li><li>- Information systems</li><li>- Geographic information systems</li></ul>	<ul style="list-style-type: none"><li>- Image synthesis</li><li>- Automatic language processing</li><li>- Multimedia</li><li>- Computing theories</li><li>- Operational research</li><li>- Algorithmics</li><li>- Cryptology</li></ul>	<ul style="list-style-type: none"><li>- Formal methods</li><li>- Information theory</li><li>- Information systems theory</li><li>- Graph theory</li><li>- Languages theory</li><li>- Signal processing</li></ul>

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## Life and Environmental Sciences

Biological Sciences	Clinical Medicine	Basic Medical Science
<ul style="list-style-type: none"> <li>- Agronomy</li> <li>- Anthropology</li> <li>- Bacteriology</li> <li>- Bioinformatics</li> <li>- Biomathematics</li> <li>- Biochemistry</li> <li>- Animal cell biology</li> <li>- Plant cell biology</li> <li>- Molecular biology</li> <li>- Biophysics</li> <li>- Reproductive biology</li> <li>- Population biology</li> <li>- Developmental biology</li> <li>- Evolutionary biology</li> <li>- Theoretical/mathematical biology</li> <li>- Structural biology</li> <li>- Synthetic biology</li> <li>- Marine biology</li> <li>- Freshwater biology</li> <li>- Plant biology</li> <li>- Biorhythms</li> <li>- Botany</li> <li>- Biotechnology</li> <li>- Stem cells</li> <li>- Cryobiology</li> <li>- Ecology</li> <li>- Epigenetics</li> <li>- Ethology/Behavioral biology</li> <li>- Genetics and Heredity</li> <li>- Genomics</li> <li>- Microbiology</li> <li>- Mycology</li> <li>- Paleontology</li> <li>- Plant science</li> <li>- Biodiversity conservation</li> <li>- Proteomics</li> <li>- Toxicology</li> <li>- Virology</li> <li>- Zoology</li> </ul>	<ul style="list-style-type: none"> <li>- Andrology</li> <li>- Gynecology and Obstetrics</li> <li>- Pediatrics</li> <li>- Cardiology and Cardiovascular System</li> <li>- Peripheral Vascular Impairment</li> <li>- Hematology</li> <li>- Respiratory system</li> <li>- Intensive care</li> <li>- Emergency medicine</li> <li>- Anesthesiology</li> <li>- Orthopedics</li> <li>- Surgery</li> <li>- Radiology/Radiotherapy</li> <li>- Nuclear Medicine</li> <li>- Medical Imaging</li> <li>- Transplants</li> <li>- Dentistry (Oral and Maxillofacial Surgery, Stomatology)</li> <li>- Dermatology and Venereal Diseases</li> <li>- Allergies</li> <li>- Rheumatology</li> <li>- Endocrinology and Metabolic Diseases (including diabetes, hormonal disorders)</li> <li>- Gastroenterology and Hepatology</li> <li>- Urology and Nephrology</li> <li>- Oncology/Cancerology</li> <li>- Ophthalmology</li> <li>- Otorhinolaryngology</li> <li>- Psychiatry</li> <li>- Neurology</li> <li>- Geriatrics and Gerontology</li> <li>- General Medicine and Internal Medicine</li> </ul>	<ul style="list-style-type: none"> <li>- Anatomy and morphology</li> <li>- Human genetics</li> <li>- Immunology</li> <li>- Neurosciences</li> <li>- Pharmacology</li> <li>- Pharmacy and medicinal chemical products</li> <li>- Physiology</li> <li>- Pathology</li> <li>- Toxicology</li> </ul> <div style="text-align: center; background-color: #cccccc; padding: 2px;"><b>Health Sciences</b></div> <ul style="list-style-type: none"> <li>- Tropical medicine</li> <li>- Parasitology</li> <li>- Infectious diseases</li> <li>- Epidemiology</li> <li>- Sports medicine</li> </ul>

## Material sciences

Space and Astronomical Sciences	Earth Sciences	Chemistry	Materials Science	Physics
<ul style="list-style-type: none"> <li>- Archeoastronomy</li> <li>- Observational astronomy</li> <li>- Astrochemistry</li> <li>- Astrophysics</li> <li>- Cosmochemistry</li> <li>- Cosmology</li> <li>- Exobiology</li> <li>- Planetology</li> </ul>	<ul style="list-style-type: none"> <li>- Geobiology</li> <li>- Geochemistry</li> <li>- Physical geography</li> <li>- Geology</li> <li>- Geophysics</li> <li>- Geosciences</li> <li>- Glaciology</li> <li>- Hydrology</li> <li>- Mineralogy</li> <li>- Oceanography</li> <li>- Petrology</li> <li>- Paleontology</li> <li>- Atmospheric Sciences</li> </ul>	<ul style="list-style-type: none"> <li>- Biochemistry</li> <li>- Catalysis</li> <li>- Electrochemistry</li> <li>- Analytical Chemistry</li> <li>- Colloid Chemistry</li> <li>- Inorganic Chemistry</li> <li>- Mineralogical Chemistry</li> <li>- Nuclear Chemistry</li> <li>- Organic Chemistry</li> <li>- Organometallic Chemistry</li> <li>- Physical Chemistry</li> <li>- Supramolecular Chemistry</li> <li>- Theoretical Chemistry</li> <li>- Petrochemistry</li> <li>- Photochemistry</li> <li>- Thermochemistry</li> </ul>	<ul style="list-style-type: none"> <li>- Crystallography</li> <li>- Corrosion</li> <li>- Condensed Matter</li> <li>- Metallurgy</li> <li>- Nanosciences</li> <li>- Solid State Physics</li> <li>- Polymers</li> </ul>	<ul style="list-style-type: none"> <li>- Acoustics</li> <li>- Electronics</li> <li>- Electromagnetism</li> <li>- Mechanics</li> <li>- Fluid Mechanics</li> <li>- Quantum Mechanics</li> <li>- Optics</li> <li>- Optronics</li> <li>- Photonics</li> <li>- Atomic Physics</li> <li>- Chemical Physics</li> <li>- Mathematical Physics</li> <li>- Molecular Physics</li> <li>- Nuclear Physics</li> <li>- Particle and Field Physics</li> <li>- Fluid and Plasma Physics</li> <li>- Condensed Matter Physics</li> <li>- Theoretical Physics</li> <li>- Spectroscopies</li> <li>- Thermodynamics</li> </ul>

## Engineering and technological sciences

Civil engineering	Electrical engineering, electronics, information engineering		Mechanical engineering	Chemical engineering
<ul style="list-style-type: none"> <li>- Architectural mechanics</li> <li>- Building and public works engineering</li> <li>- Urban infrastructure studies</li> <li>- Transport engineering</li> </ul>	<ul style="list-style-type: none"> <li>- Electrical engineering</li> <li>- Electronics</li> <li>- Robotics and automatic regulation</li> <li>- Automation and control systems</li> <li>- Communication engineering and systems</li> <li>- Telecommunications</li> <li>- Computer hardware and architecture</li> </ul>		<ul style="list-style-type: none"> <li>- Applied mechanics</li> <li>- Thermodynamics</li> <li>- Aerospace engineering</li> <li>- Nuclear-related engineering</li> <li>- Sound engineering</li> <li>- Reliability analyses</li> </ul>	<ul style="list-style-type: none"> <li>- Chemical process engineering</li> </ul>
Materials engineering	Medicinal engineering	Environ-mental engineering	Environmental biotechnology	Industrial biotechnology
<ul style="list-style-type: none"> <li>- Ceramics</li> <li>- Composite coatings and films (including laminates, structural plastics, cermets, fabrics mixing natural and synthetic fibers, reinforced composites)</li> <li>- Papers and wood</li> <li>- Textiles (including synthetic colorants, dyes, fibers)</li> </ul>	<ul style="list-style-type: none"> <li>- Biomaterials (in relation to implants, medical devices and sensors)</li> <li>- Biotechnologies (health-related)</li> <li>- Pharmacogenomics</li> <li>- Diagnostic technology</li> <li>- Technologies involving the manipulation of cells, tissues, organs</li> <li>- Technologies including identification of</li> </ul>	<ul style="list-style-type: none"> <li>- Energy and fuels: remote sensing</li> <li>- Mining and processing of ores</li> <li>- Ocean engineering</li> <li>- Petroleum engineering (fuel, oils)</li> <li>- Geotechnical engineering</li> <li>- Naval mechanics</li> </ul>	<ul style="list-style-type: none"> <li>- Biotechnology (applied to the environment)</li> <li>- Bioremediation</li> <li>- Diagnostic biotechnology (biochips and biological detection devices)</li> </ul>	<ul style="list-style-type: none"> <li>- Biological treatment technologies (industrial processes based on biological agents to initiate a process),</li> <li>- Biocatalysis</li> <li>- Fermentation</li> <li>- Bioproducts (manufactured with biological materials used as raw material),</li> <li>- Biomaterials (non-medical)</li> <li>- Bioplastics</li> <li>- Biofuels</li> </ul>



	DNA, Proteins and Enzymes function - Gene therapy	- Maritime vessels - Environmental sciences and applied geology		- Bio-derived chemical products - Bio-derived new materials
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