

## **NRF - TWAS Doctoral / Renaissance Doctoral Fellowships Call for 2016**

The National Research Foundation (NRF) of South Africa and the Department of Science and Technology (DST), in partnership with the World Academy of Sciences (TWAS), have partnered to pursue the goal of advancement of Science in developing countries through the establishment of two Doctoral fellowships namely; the NRF - TWAS Doctoral Fellowships and the NRF - TWAS African Renaissance Doctoral Fellowships. TWAS is based in Italy and operates as a programme of the United Nations Educational, Scientific and Cultural Organization (UNESCO) for the advancement of science in developing countries. The parties entered into a contractual agreement to support Doctoral fellows from Africa and developing countries who will be funded per annum for a maximum of three (3) years to pursue full-time research training in South Africa. There will be an intake of 70 Doctoral fellows each year for three (3) years, starting in 2016.

The doctoral fellowships will be awarded under two funding instruments annually as follows:

- **NRF - TWAS Doctoral Fellowship funding instrument:** 20 fellows from developing countries outside Africa; and
- **NRF - TWAS African Renaissance Doctoral Fellowship funding instrument:** 50 fellows from Africa.

International strategic partnerships remain the vehicle for development within the context of the advancement of research and human capacity development. Through this funding instrument, South Africa will contribute to effective science collaboration on the African continent and globally. In particular, ensuring capacity development of promising next generation and emerging researchers in developing countries will make headways towards exchange of knowledge and improving the quality of research leading to innovative ideas for socio-economic development.

The objectives of the Doctoral Fellowship funding instruments are to:

- Increase the number and quality of Doctoral fellows in Africa and in other developing countries;
- Foster scientific and technological cooperation by facilitating brain circulation between countries;
- Attract young scientists and professionals of the highest calibre from developing countries to access world class strategic and applied research opportunities in order to advance their professional competitiveness; and

- Support human capacity needs and thus position the developing countries for global competitiveness in scientific and technological fields.

## 1. Areas of support

The successful candidates will undertake full - time Doctoral studies in South Africa and may be based at any South African public research institution including Higher Education Institutions (HEIs), Science Councils and National Research Facilities.

Applicants who wish to pursue research under a Science, Engineering and Technology (SET) disciplines will be supported through the fellowship.

## 2. Eligibility

In selecting applicants for consideration for the Doctoral Fellowships, the following criteria will apply:

- The NRF-TWAS Doctoral Fellowship Funding Instrument is open to **citizens and Permanent residents from developing countries outside Africa**. Refer to Appendix 1 for the list of eligible developing countries or [click here](#);
- The NRF-TWAS African Renaissance Doctoral Fellowship funding instrument is open to citizens and permanent residents from **Africa except South Africa**. Refer to Appendix 1 for list of developing countries;
- The following individuals are **not eligible** to apply for funding under either instrument:
  - South African citizens;
  - Foreign citizens who hold permanent residence permits of South Africa;
  - Foreign citizens who are already resident in South Africa and hold temporary residence permits (this includes study permits);
  - Citizens and permanent residents of any developed country
- Applicants must not be older than thirty five (35) years of age on or before 31 December of the year of application for the Doctoral fellowship;
- Applicants must hold a university degree that will fulfil the requirements for admission to Doctoral studies at a South African public university, which is generally a Master's Degree;
- Visa and immigration laws of the applicant's home country and South Africa must be met by applicant.

### 3. Application requirements

- Applicants must provide an official letter from their host South African institution, department or laboratory and motivation from the applicant's host. **It is the responsibility of the applicant to contact the respective institution to apply for acceptance;**
- The research project must be registered and approved by the host institution (a letter of support from the prospective supervisor will suffice); and
- Preference will be given to applicants that meet the following requirements of the English Language Proficiency Academic test:  
IELTS 6.5 (no band less than 6.0); or TOEFL (paper) 575 (TWE 4.5); or TOEFL iBT (min. 20); or Cambridge minimum 58. Information on the IELTS tests can be obtained from the British Council in home country or accessed on: [www.ielts.org](http://www.ielts.org). Further information on the TOEFL test can be accessed on: [www.toefl.com](http://www.toefl.com). Consult the British Council in the home country for assistance.

### 4. Awarding principle

- Priority will be given to applicants from the 81 states endorsed by TWAS for priority in capacity development in Science and Technology. Refer to Appendix 2 for the list of TWAS endorsed developing countries or [click here](#);
- Priority will be given to female applicants and the target is to award 50% of fellowships to female fellows; and
- 50 fellows will be from countries in Africa; and 20 fellows will be from developing countries outside Africa in accordance with the two types of fellowships.

### 5. Conditions of award of the fellowship

- The fellowship shall be held as the primary funding for the Doctoral fellowship;
- Fellowships may not be held simultaneously with a fellowship from any other TWAS, South African government or NRF administered source;
- Doctoral fellows may not concurrently hold the fellowship with any full-time employment position;
- Doctoral fellows may hold non-binding supplementary grants or emoluments to the institutional capped value;
- Successful applicants will be required to give a written undertaking that s/he will return to their home country upon completion of the fellowship;

- All fellows will be required, to submit an exit report to the NRF - TWAS, upon completion of their Doctoral research, on their overall experience, achievements and outputs.
- Successful applicants must have all foreign qualifications (obtained from non-South Africa universities) evaluated by the South African Qualification Authority (SAQA). A SAQA evaluation certificate must be submitted with the application, if available. The applicant will nonetheless need to provide proof of SAQA accreditation before they can register at most South African institutions.
- Successful applicants will be required to meet the following requirements of the English Language Proficiency Academic test:  
IELTS 6.5 (no band less than 6.0); or TOEFL (paper) 575 (TWE 4.5); or TOEFL iBT (min. 20); or Cambridge minimum 58. Information on the IELTS tests can be obtained from the British Council in home country or accessed on: [www.ielts.org](http://www.ielts.org). Further information on the TOEFL test can be accessed on: [www.toefl.com](http://www.toefl.com). Consult the British Council in the home country for assistance.

## 6. Value of award and funding period

The NRF - TWAS African Renaissance Doctoral Fellowships will be granted for a duration of three (3) years renewable annually subject to satisfactory performance.

The breakdown of the award will be as follows:

Category of support	Value (Rand)	Duration
Stipend	110 000	Per Annum
Local travel	25 000	Maximum allowed during the funding period based on need
International travel	50 000	Maximum allowed during the funding period based on need
Cost towards mobility of the fellow	Subject to comprehensive cost breakdown	Once off

The costs for the mobility of the fellow will include the following:

- Travel visa and study visa;
- A single economy airfare for travel from the fellows' home country to South Africa; and
- A single economy airfare from South Africa to the fellow's home country, upon completion of the Doctoral degree.

Successful candidates are also eligible for a once-off travel grant of up to R25 000, for local travel, and up to R50 000, for international travel. The travel grants may be used to contribute towards the costs of attending local or international conferences; workshops; visiting a laboratory or; any other activity that supports the beneficiaries' research training. This is the maximum amount permitted over the tenure of the fellowship. Fellows who wish to access the travel grant must complete a travel grant application form available on the NRF Online Submission System.

## 7. Responsibilities of fellows

The fellowship **does not** cover the following:

- All financial expenses of accompanying family members. Fellows must also ensure that accompanying family members have the correct documentation for entry and stay in South Africa; and
- Comprehensive medical insurance for the period of their stay to meet any untoward incidents and major ailments during travel and stay in South Africa.

## 8. Application process

For the applications process outlined below, also refer to the **Grants Management and Systems Administration Doctoral Fellowship Grants Manual 2016** for a step-by-step detail.

### Stage 1:

#### Application for acceptance at South African Institutions

Applicants must contact institutions in South Africa or potential supervisors to obtain a placement into the Doctoral research training programme. For details of Recognised HEIs [click here](#) and for other Public Research Institutions [click here](#).

An official letter of acceptance must be obtained from the potential host institution and/or supervisor. The letter must cover detail on:

- The research project to be undertaken by the applicant; and
- Available infrastructure and facilities for an enabling environment for host's research

## **Application for evaluation of foreign qualifications from the South African Qualifications Authority (SAQA)**

Applicants are advised to start this process early to allow time for processing. Information on the process can be accessed by logging on to [www.saqa.org.za](http://www.saqa.org.za). On the SAQA website, navigate to Service - Evaluation of Foreign Qualifications - General Information. Applicants must strictly adhere to all the instructions and provide all applicable documents to avoid delays and rejection of applications. Applicants are advised to courier all application documents to SAQA directly.

### **Stage 2:**

#### **Application to the NRF**

Applicants must apply for the NRF - TWAS Doctoral or Renaissance Doctoral Fellowship Call for 2016 by accessing the link: <https://nrfsubmission.nrf.ac.za/> on the NRF Online application system and follow the steps below:

#### **On accessing the link, please follow the following instructions:**

- Individuals that are not registered on the NRF Online system, must first register by selecting the 'new registration' option and complete all sections.
- Once a profile has been created, login using your passport number and password.
- Select "My Applications".
- Select "Create Application".
- Select the call for which you are applying: **NRF - TWAS Doctoral/ Renaissance Doctoral Fellowship Call for 2016.**
- Select "Apply now".
- Complete all sections of the application form.
- Ensure that the *Curriculum Vitae* section is also completed as the information submitted therein will also be used to evaluate your application.
- Please attach the required documents in **one PDF file in the following order:**
  - Passport;
  - Official acceptance letter from host institution;
  - Certified copy of academic transcripts;

- Certified copies of undergraduate and postgraduate certificates.
- English Language Proficiency Academic test **if available**; and
- SAQA evaluation certificate **if available**.
- Should you not follow the guidelines for attaching the necessary documents, your application will not be considered.
- Remember to submit your application upon completion.

**Please note the following:**

- Completed applications submitted by applicants, will automatically be forwarded to the host Institution for verification before being submitted to the NRF for further processing.
- Incomplete applications will not be considered.
- Applications that do not meet the eligibility criteria will not be considered.
- Contact the university postgraduate or research office for queries related to institutional processes and deadlines.
- NRF contact persons are listed below for NRF related enquiries.
- The closing date for submitting applications is **02 October 2015**.
- The DA closing date for the validation of applications from the institutions is **16 October 2015**.

## 9. Selection criteria and review process

Applications that meet the eligibility criteria and that have been completed appropriately, will be subjected to a competitive merit review process. Where any information that should have been submitted as attachments is not included in the application, it will be rendered incomplete resulting in a rejection without review. The reviewers are selected by the NRF from existing reviewer databases and other sources. TWAS may also submit names of potential reviewers to the NRF.

The following will be considered in evaluating all applications in a competitive merit review process:

- The applicant's past, current and potential academic performance. This will be measured by the:
  - Potential of the applicant to undertake an independent research project;
  - Leadership roles;
  - Previous awards, prizes and honours; and
  - The potential research outputs and impact.



- The feasibility and merit of the applicant's research project proposal;
- Identification of a suitable supervisor and co-supervisor (where applicable).
- Support from the identified supervisor and referees.

#### 14. NRF contact persons

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## Appendix 1

### Eligible developing countries

151 ELIGIBLE DEVELOPING COUNTRIES		
1. Afghanistan	53. Guatemala	105. Papua New Guinea
2. Albania	54. Guinea	106. Paraguay
3. Algeria	55. Guinea-Bissau	107. Peru
4. Angola	56. Guyana	108. Philippines
5. Antigua and Barbuda	57. Haiti	109. Qatar
6. Argentina	58. Honduras	110. Romania
7. Armenia	59. Hong Kong, SAR	111. Rwanda
8. Aruba	60. India	112. Samoa
9. Azerbaijan	61. Indonesia	113. São Tomé and Príncipe
10. Bangladesh	62. Iran, Islamic Rep.	114. Saudi Arabia
11. Bahamas	63. Iraq	115. Senegal
12. Bahrain	64. Jamaica	116. Serbia
13. Barbados	65. Jordan	117. Seychelles (Transitional)
14. Belarus	66. Kazakhstan	118. Sierra Leone
15. Belize	67. Kiribati	119. Solomon Islands
16. Benin	68. Korea, Dem Rep.	120. Somalia
17. Bhutan	69. Kosovo	
18. Bolivia	70. Kuwait	121. South Sudan
19. Bosnia and Herzegovina	71. Kyrgyz Republic	122. Sri Lanka
21. Brunei	73. Lebanon	124. St. Vincent and the Grenadines
22. Brazil	74. Lesotho	125. Sudan
23. Bulgaria	75. Liberia	126. Suriname
24. Burkina Faso	76. Libya	127. Swaziland
25. Burundi	77. Macedonia, FYR	128. Syrian Arab Republic
26. Cabo Verde	78. Macau	129. Taiwan, China
27. Cambodia	79. Madagascar	130. Tajikistan
28. Cameroon	80. Malawi	131. Tanzania
29. Central African Republic	81. Malaysia	132. Thailand
30. Chad	82. Mali	133. Timor-Leste
31. Chile	83. Marshall Islands	134. Trinidad and Tobago
32. China	84. Madagascar	135. Togo
33. Colombia	85. Mauritania	136. Tonga

151 ELIGIBLE DEVELOPING COUNTRIES		
34. Comoros	86. Mauritius	137. Tunisia
35. Congo, Dem. Rep	87. Mayotte	138. Turkey
36. Congo, Rep.	88. Mexico	139. Turkmenistan
37. Costa Rica	89. Micronesia, Fed. Sts.	140. Tuvalu
38. Côte d'Ivoire	90. Moldova	141. Uganda
39. Cuba	91. Mongolia	142. Ukraine
40. Djibouti	92. Montenegro	143. United Arab Emirates
41. Dominica	93. Morocco	144. Uruguay
42. Dominican Republic	94. Mozambique	145. Uzbekistan
43. Ecuador	95. Myanmar	146. Vanuatu
44. Egypt, Arab Rep.	96. Namibia	147. Venezuela
45. El Salvador	97. Nepal	148. Vietnam
46. Eritrea	98. Nicaragua	149. Yemen, Rep.
47. Ethiopia	99. Niger	150. Zambia
48. Fiji	100. Nigeria	151. Zimbabwe
49. Gabon	101. Oman	
50. Gambia, The	102. Pakistan	
51. Georgia	103. Palau	
52. Ghana	104. Palestine, State of	

## Appendix 2

### TWAS endorsed countries

TWAS has identified 81 developing countries whose capacity in science and technology is still lagging. For this reason, TWAS is focusing special attention on capacity-building efforts in these countries.

LIST OF 81 TWAS ENDORSED COUNTRIES		
1. Afghanistan	28. Gambia	55. Niger
2. Angola	29. Ghana	56. Nigeria
3. Azerbaijan	30. Guatemala	57. Papua New Guinea
4. Bangladesh	31. Guinea-Bissau	58. Paraguay
5. Belize	32. Guinea	59. Peru
6. Benin	33. Guyana	60. Rwanda
7. Bhutan	34. Haiti	61. Samoa
8. Botswana	35. Honduras	62. São Tome and Principe
9. Burkina Faso	36. Indonesia	63. Senegal
10. Burundi	37. Jamaica	64. Sierra Leone
11. Cambodia	38. Kenya	65. Solomon Islands
12. Cameroon	39. Kiribati	66. Somalia
13. Cape Verde	40. Korea DPR	67. South Sudan
14. Central African Republic	41. Kyrgyzstan	68. Sudan
15. Chad	42. Lao PDR	69. Suriname
16. Comoros Islands	43. Lesotho	70. Tajikistan
17. Congo, Dem. Rep.	44. Liberia	71. Tanzania
18. Congo, Rep.	45. Madagascar	72. Timor-Leste
19. Côte d'Ivoire	46. Malawi	73. Togo
20. Djibouti	47. Maldives	74. Tuvalu
21. Dominican Republic	48. Mali	75. Uganda
22. Ecuador	49. Mauritania	76. Uzbekistan
23. El Salvador	50. Mongolia	77. Vanuatu
24. Equatorial Guinea	51. Mozambique	78. Vietnam
25. Eritrea	52. Myanmar	79. Yemen
26. Ethiopia	53. Nepal	80. Zambia
27. Gabon	54. Nicaragua	81. Zimbabwe