Science and Technology Development Fund (STDF)

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Director of Knowledge Transfer Office
Assistant Professor, Mech. Eng. Dept.

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Outline

- About STDF
- Types of STDF grants
  - National calls
  - International joint calls
- General rules.
- STDF website and proposal submission
- Review process
- Grant management tips
About STDF

- STDF was established in 2007 to:
  - Provide funding for scientific research and technology development.
  - Support the complete cycle of scientific research and product development.
  - Budget was 20 million pounds in 2007 and increased to more than 450 million pounds in 2011.
  - Priority areas are: Energy (renewable), water, agriculture, Health, and ICT.
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National calls

- Calls are announced around the year.
- Funding range from 100,000 to 10 million L.E.
  - Basic and Applied Research grants
  - Young Researchers grant
  - Reintegration grant
  - Research Support and Technology Development grant
  - Demand Driven projects
  - National challenges projects
  - Capacity building grants
  - Faculty for factory
  - Support of scientific events
**Basic and Applied Research grant**

<table>
<thead>
<tr>
<th>Budget</th>
<th>Up to 1 million L.E.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eligible costs</td>
<td>Salaries</td>
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<tr>
<td></td>
<td>Travel</td>
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<tr>
<td></td>
<td>Equipment</td>
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<tr>
<td></td>
<td>Other (Chemicals, office supplies..etc)</td>
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<tr>
<td></td>
<td>Indirect cost</td>
</tr>
<tr>
<td>Principal investigator (PI)</td>
<td>Any PhD holder working in an Egyptian research institution</td>
</tr>
<tr>
<td>Duration</td>
<td>Up to three years</td>
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</table>
# Young Researchers grant

<table>
<thead>
<tr>
<th>Budget</th>
<th>Up to 750,000 L.E.</th>
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<tbody>
<tr>
<td>Eligible costs</td>
<td>Salaries</td>
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</tr>
<tr>
<td></td>
<td>Indirect cost</td>
</tr>
<tr>
<td>Principal Investigator</td>
<td>• Less Than 40 years old</td>
</tr>
<tr>
<td></td>
<td>• Published at least 2 papers in int. journals</td>
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<td></td>
<td>• The research team must include at least two Assistant Lecturers/Assistant Researchers</td>
</tr>
<tr>
<td>Duration</td>
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### Reintegration grant

<table>
<thead>
<tr>
<th></th>
<th>Up to 1,5 million L.E.</th>
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<tbody>
<tr>
<td><strong>Budget</strong></td>
<td><strong>Eligible costs</strong></td>
</tr>
<tr>
<td></td>
<td>Salaries</td>
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<tr>
<td></td>
<td>Travel</td>
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<tr>
<td></td>
<td>Other (Chemicals, office supplies..etc)</td>
</tr>
<tr>
<td></td>
<td>Indirect cost</td>
</tr>
<tr>
<td><strong>Principal Investigator</strong></td>
<td>•Less than 40 years old</td>
</tr>
<tr>
<td></td>
<td>•Obtained PhD within past 3 years</td>
</tr>
<tr>
<td></td>
<td>•Published 3 papers in Int. journals</td>
</tr>
<tr>
<td></td>
<td>•Obtained PhD from one of top ranked 250 universities</td>
</tr>
<tr>
<td></td>
<td>•The research team must include at least two Assistant Lecturers/Assistant Researchers</td>
</tr>
<tr>
<td><strong>Duration</strong></td>
<td>Up to three years</td>
</tr>
<tr>
<td><strong>Other benefits</strong></td>
<td>Can apply for a Capacity building fund up to 5 million pounds to establish a lab</td>
</tr>
</tbody>
</table>
## Research Support and Technology Development grant

<table>
<thead>
<tr>
<th>Budget</th>
<th>Up to 100,000 L.E.</th>
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</thead>
</table>
| Eligible costs | • Small equipment and tools and consumables  
| | • Fees for use of facilities in other institutions  
| | • Local travel  
| | • Expenses related to *patent filing or IP management*  
| | • Technology transfer activities  
| | • Incentives for team members (20% max.)  
| | • Overheads (5%) |
| Principal Investigator | • Any Egyptian working at an Egyptian institution  
| | **Teaching assistants can apply as PI’s.** |
| Duration | 1 year |
| Other benefits | Graduation projects can be funded (supervisor will be PI) |
### Demand-Driven projects (DDP)

| Purpose of call                                                                 | • Introduce a new product that is currently imported  
| • Improve a nationally produced product to pass and meet exportation norms.  
| • Minimize production costs of national products  
| • New way in early diagnosis, prevention or treatment of endemic diseases. |
| --- | --- |
| **Budget** | Up to 1.5 million L.E. |
| **Eligible costs** | • Left open to the applicant  
| | • Budget should be reasonable and detailed |
| **Principal Investigator** | Any Egyptian researcher (PhD holder) working at an Egyptian research institution  
| | Collaboration with the private sector is required  
| | The beneficiary is expected to provide co-funding to cover its own costs. |
| **Duration** | 3 years |

**Call is now open**

**Deadline is 13th of January 2016**
### National challenges program (NCP)

| Purpose | NCP grants are very similar to DDP grants:  
NCP: is directed to national needs or stressing problem in the nation  
DDP: is directed to solve problem in the private sector  
New way in early diagnosis, prevention and treatment of endemic disease |
<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>Budget</strong></td>
<td>Up to 1.5 million L.E.</td>
</tr>
</tbody>
</table>
| **Eligible costs** | • Left open to the applicant  
• Budget should be reasonable and detailed |
| **Principal Investigator** | • Any Egyptian researcher (PhD holder) working at an Egyptian research institution  
• The beneficiary is expected to provide co-funding to cover his own costs |
| **Duration** | 3 years |

**Call is now open**  
**Deadline is 13th of January 2016**
# Faculty for factory

## Purpose of fellowship

Bridge the gap and enhance the collaboration between the academic community and the industry.

### Procedures

- Industrial entity describes the R&D problem.
- STDF announces submitted problems.
- Interested researchers submit an application summarizing their relevant experience.
- STDF matches a researcher(s) to each industrial entity.
- Researcher and industrial entity prepare a detailed proposal.
- Proposal is subjected to review and approval by STDF.

### Eligible costs

*Researchers honorarium up to a maximum of 15,000 LE per months to be divided between all researchers*.

### Duration

Two years

### Restrictions

- Only one PhD holder. The rest of the team members (if any) shall be graduate or senior undergraduate students only.
## Capacity Building Grants

<table>
<thead>
<tr>
<th>Budget</th>
<th>Up to 5 millions L.E.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eligible costs</td>
<td>• Equipment purchase</td>
</tr>
<tr>
<td></td>
<td>• Customs, shipping and handling, and taxes.</td>
</tr>
<tr>
<td></td>
<td>• Equipment repair (up to 20% of the original equipment price)</td>
</tr>
<tr>
<td></td>
<td>• Technical support.</td>
</tr>
<tr>
<td></td>
<td>• Infrastructure (wiring, A/C and ventilation ...etc)</td>
</tr>
<tr>
<td></td>
<td>• No indirect costs</td>
</tr>
<tr>
<td>Principal Investigator</td>
<td>• Applicant is the institution itself.</td>
</tr>
<tr>
<td></td>
<td>• PI should be a PhD holder</td>
</tr>
<tr>
<td>Duration</td>
<td>1 year</td>
</tr>
</tbody>
</table>
### STDF short term fellowship (STF)

<table>
<thead>
<tr>
<th>Purpose of fellowship</th>
<th>Fund short term visits by Egyptian researchers to foreign institutes to exchange knowledge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eligible costs</td>
<td>• Air tickets (up to 15,000 L.E.)&lt;br&gt;• Salary in the host country (according to Missions directorate rules)&lt;br&gt;• Preparatory research in Egypt before travel (up to 15,000 L.E.)&lt;br&gt;• Publications costs (up to 3,000 L.E.)&lt;br&gt;• Incentive after returning and submitting final report (5,000 L.E.)</td>
</tr>
<tr>
<td>Applicant</td>
<td>• Any Egyptian working at an Egyptian university or research institution.&lt;br&gt;<strong>PhD holders and Teaching assistants</strong></td>
</tr>
<tr>
<td>Duration</td>
<td>6 weeks to 4 months</td>
</tr>
<tr>
<td>Requirements upon return</td>
<td>PhD: acceptance of one manuscript or submitting one collaborative funding proposal.&lt;br&gt;Non-PhD holders: Successful implementation of at least one experiment (analysis) or Evidence for mastering new technique/technology.</td>
</tr>
</tbody>
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International joint call

Purpose of the call is to team up Egyptian researchers with their counterparts in other countries.

Calls funded by STDF in Egypt and a partner organization (DAAD, British Council, etc.) in the other country.

Cover research support (equipment, chemicals, salaries, etc.) and/or mobility of researchers between countries.

Current collaborations include the following countries:
- Germany
- France
- Russia
- Italy
- Japan
- Korea
- Jordan
- Malaysia

Deadline is 16th of January 2016

Phone: 02-27229375
Fax: 02-27229376
E-mail: kto@aun.edu.eg
Website: www.aun.edu.eg/kto

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Intellectual property (IP) rights generated from your research is owned by STDF.

IP could be: patents, utility models, or copyrights on software

Inventors still get a share from any revenue generated from the IP according to the following table:

<table>
<thead>
<tr>
<th>Revenue (million L.E.)</th>
<th>Inventors’ Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 1</td>
<td>15 %</td>
</tr>
<tr>
<td>1 – 5</td>
<td>12.5 %</td>
</tr>
<tr>
<td>5 – 15</td>
<td>10 %</td>
</tr>
<tr>
<td>15 – 30</td>
<td>7.5 %</td>
</tr>
<tr>
<td>30 – 60</td>
<td>5 %</td>
</tr>
<tr>
<td>60 –100</td>
<td>3 %</td>
</tr>
<tr>
<td>&gt; 100</td>
<td>2 %</td>
</tr>
</tbody>
</table>
General rules for any grant-

- You cannot have more than two projects running at the same time as a principle investigator. You cannot be a team member in more than 3 grants at the same time.

- You have to specify the percentage of time you allocate to each project (total of all projects can not exceed 100% 😊)

- Total of salaries must not exceed 25% of total budget.

- Travel budget must not exceed 10% of the total budget (capped at 100,000 L.E. max.)

- To attend a conference you must have an accepted paper as an Oral presentation not a poster.
General rules for any grant-II

- Indirect costs can not exceed 20% of budget minus equipment cost (capped at 200,000 L.E.).
- Indirect costs can be only directed to:
  - Bonuses for accountants and administrative personnel (capped at 25% of indirect cost)
  - Repair and maintenance of equipment and machinery.
  - Funding of Technology Transfer Offices, and their development.
General rules for any grant-III

- Any funded project must produce at least one paper in a peer reviewed international journal or a patent.
- Any correspondence between the PI and STDF should go through the university president.
- PI can not stay out of Egypt more than 1 month per year.
- Equipment purchased using STDF grants should be made available to all STDF grant holders.
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STDF website and Proposal submission

Important Announcement for New Applicants, and Proposed Projects

OPEN CALLS

STDF Grant for Demand-Driven Projects (No Deadline)

For more information, contact:

Marwa Alaa  E-mail: marwa.alaa@STDF.org.eg

German Egyptian Scientific Projects - GESP (Deadline December 15, 2012)

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Review Process-I

- PI submits proposal, GANT chart, and LFM on the STDF website.
- Administrative staff check proposal format and make sure it satisfies STDF requirements.
- Proposal is sent to technical reviewer(s).
- Reviewer(s) recommend proposal acceptance or rejection.
- STDF steering committee examines reviewers comments and gives the final decision on proposal acceptance or rejection.
- Contract negotiations.
- Contract is signed by PI, university president, and STDF director.
After proposal acceptance

- The signed contract is sent to the Ministry of finance to open a bank account (حساب خزانتة موحد بالبنك المركزي المصري).

  التوقيع الأول للشيكات يكون للباحث الرئيسي و التوقيع الثاني يكون لمندوب وزارة المالية بالوحدة الحسابية التي تتولى حسابات المشروع (مثل حسابات كلية الهندسة أو كلية العلوم أو الحسابات المركزية...إلخ)

- Once the bank account is opened, STDF is notified.

- STDF prepares the first installment check and notifies the PI to collect it.

- From proposal submission to receiving the fund, expect around 6~10 months.
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Grant management tips

- Make sure your team is dedicated to the project (hire full time research assistants if you need).
- Divide indirect costs between the university, your faculty, and your department (e.g. 50% to univ., 25 % to faculty, and 25% to department).
- Specify admin salaries early and get the university president approval.
- Use part of the indirect costs to furnish your lab space (Furniture, connect internet, air conditioning, PCs...etc).
Thanks for your attention

This presentation will be available on the KTO website

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