SOUTHERN AFRICAN BIOCHEMISTRY AND INFORMATICS FOR NATURAL PRODUCTS PROGRESS REPORT

SABINA Secretariat, Chancellor College, Zomba, Malawi

SABINA Report, RISE Annual Meeting, 25-26 October, 2013
Strengthened academic and research capacity in member institutions of the Network

Enhanced human capital and experiences

<table>
<thead>
<tr>
<th>New knowledge and innovations shared internationally</th>
<th>Well trained and enhanced retention in home universities and research institutes</th>
<th>Networking</th>
<th>Strengthened research analytical capacity</th>
</tr>
</thead>
</table>
PhD and MSc participation

Figure 1: Status of students in SABINA
Placement/Hosting of students

Fig. 2 Distribution of students at the 5 SABINA Universities

- **UDSM**
  - MSc: 3
  - PhD: 2

- **UNAM**
  - MSc: 2
  - PhD: 1

- **UNIMA**
  - MSc: 1
  - PhD: 1

- **WITS**
  - MSc: 1
  - PhD: 3

- **UP**
  - MSc: 1
  - PhD: 6

*Hosted a non-SABINA student from UDSM*
Network participants and loading

Figure 3: Staff participants at each Institutions

Universities

Loading

UNIMA  UDSM  UP  UNAM  WITS  CSIR  ACGT  TRFCA
Research equipment at UNAM, UDSM, UNIMA and TRFCA

1. UNIMA: GC machine purchased and refurbishment of labs for housing the equipment

2. TRFCA: Rain shelter for research studies (POLSABINA)

3. UDSM: SpectroStarNano Bioassay, FT-IR Spectrophotometer, Power stabilisation Unit (2013) and rehabilitation of NP lab

4. UNAM: Heavy duty and normal blenders, water purifier, rotary evaporator, vacuum pump and accessories for HPLC
### Additional funding-2013

<table>
<thead>
<tr>
<th>Project Team</th>
<th>Total Funding (USD)</th>
<th>Source</th>
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<tbody>
<tr>
<td>O. Reva S. Lyantagaye &amp; Donatha Tibuhwa</td>
<td>R200,000 for RSA participants R17,600 for Tanzanians</td>
<td>NRF-RISA</td>
</tr>
<tr>
<td>S. Lyantagaye</td>
<td>US$271,172</td>
<td>NIH /H3AbioNet</td>
</tr>
<tr>
<td>Pelly Malebe</td>
<td>Supplementary scholarship</td>
<td>DST, RSA</td>
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</tbody>
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Journal and Conference papers

- Publications-Total, 15
- Publications-2013, 4
- Conference papers-2013, 3

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Phase 3 SABINA Project

1. Vision and Mission of the Phase 3

2. Recruitment of 6 PhD and 3 MSc fellows
   - Review of applications underway using the knowledge management system (KMS)

3. Reintegration of graduates to home institution

4. Increased use of the KMS

5. ACGT hosting Secretariat