

Caribbean Nanotechnology

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As in Africa, the Caribbean nanotechnology is also at a primary stage of development. There are no government sponsored initiatives. There are pockets of single investigators spread in Trinidad and Tobago, Jamaica, Barbados, and Guadeloupe especially in the multi-campus university of West Indies. There is presence in neighboring Mexico and Costa Rica with government sponsorship. The fields of interest in the Caribbean include naomedicine, nanochemistry, nanoenergy/nanomaterial. The distribution is as follows:

Nanochemistry/nanomedicine:

Jamaica

1. Ishenkumba Kahwa
2. Helen Asemota
3. Andrew Wheatley
4. Avril R. William-Barbados

Nanoenergy/nanomaterial:

Trinidad and Tobago

1. Missan Harinder
2. Winston Lewis
3. Jean Louis Mansot -Guadeloupe)
4. Sujit Bag –Barbados
5. Upindranath Singh –Barbados
6. Jose Vega Baudrit-Costa-Rica (Neighboring Central America)
7. Mauricio Terrone-Mexico

Nanoscience and nanotechnology in this region is being catalyzed by Focus Nanotechnology Africa (FONAI)-US-EU-Africa-Asia-Pacific and Caribbean Nanotechnology Initiative (USEACANI) with a proposed budget of \$10 billion for next ten years with the following objectives:

- Improve institutional structures so they foster and nurture development
- Support long-term nanoscience and engineering research leading to fundamental discoveries of novel phenomena, processes and tools;
- Encourage inter-disciplinary, multi-disciplinary and multi-institutional cooperation required in nanoscience and nanotechnology;

- Provide new types of education to train the experts in nanoscience and nanotechnology and entrepreneurs of the future;
- Create the physical infrastructure to enable first-class basic research, exploration of applications, development of new industries, and rapid commercialization of innovations in the field of nanoscience and nanotechnology.