



Zimbabwe International Research Symposium

Pupils from different schools gathered for a group photo at AiBST stand at the Zimbabwe International Research Symposium.

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Ten schools presented under AiBST, these schools are part of the institutes Next Generation Biomedical Scientist programme (NGBS). The ten schools each had a particular topic that they covered; each topic covered was under a particular theme. The two themes that AiBST looked into were Human Identification and Chemistry Toxicology. Human Identification was covered by Glen View 1 High School and Monte Casino who covered the area of blood grouping. Selborne Routledge and SOS, Maranatha and Mhizha Primary Schools presented Forensic in human identification also under the theme Human Identification. Under Chemistry and Toxicology, Dominican Convent High and St Johns High school (Emerald Hill) presented about Cyanide poisoning. St Ignatius High School and Prince Edward presented about Mercury Poisoning under the Chemistry and Toxicology theme.

Contact details

Visiting Address:

Wilkins Hospital Cnr R. Tangwena &

Princess Road Harare

Zimbabwe

Postal: P.O Box 2294

Harare Zimbabwe

Phone: 263 4 740433

Website: www.aibst.com

Email: info@aibst.com

Mr. Mudenge presenting a certificate to one of the participants after successfully completing the Biobanking and research course (2nd Annual Molecular Diagnostics & Forensic DNA School) at AiBST



2nd Annual molecular diagnostics & Forensic DNA School

The Annual DNA School which has been held annually since 2013 was developed to advance knowledge in Biobanking, Molecular Diagnostics and Forensic Research through providing a curriculum based program focused exclusively on Biobanking, Molecular Diagnostics and Forensic Science. The 2nd Annual Molecular Diagnostics and Forensic DNA Annual School was held from the 24 November to the 12th of December 2014. The first course was Biobanking which started on the 24th of November to the 28th of the same month followed by Molecular diagnostics which started on the 1st of December and ended on the 5th of December. The last course was the Forensic DNA School which ran in December from the 8th to the 12th.



Mission Statement: To be a pan African Institute of Excellence in Biomedical Sciences, Technologies and Tertiary Education towards the provision of healthcare solutions for Africa.

2nd Annual molecular diagnostics & Forensic DNA School



Week 1: Biobanking and Research

Biobanking is a type of biorepository that stores biological samples (usually human) for use in research. The Biobanking course started on the 24th to the 28th of November. The total number of participants was 12 which included 3 students from AiBST; Roslyn Thelingwani, Nyasha Kapungu and Comfort Kanji.

Biobanking and Research Facilitators

- Prof. Collen Masimirembwa: President & Chief Scientific Officer African Institute of Biomedical Science and Technology
- Prof Gunnel Tybring: Department of Medical Epidemiology and Biostatistics / KI Biobank Karolinska Institute
- Mrs. Rutendo Gutsire: Research Compliance Officer, Medical Research Council of Zimbabwe
- Dr. Alice Matimba: Senior Lecturer/Research Scientist College of Health Sciences, University of Zimbabwe.
- Prof. Collet Dandara: Division of Human Genetics, Department of Clinical Laboratory Sciences, University of Cape Town
- Ms. Eva Buren: Department of Medical Epidemiology and Biostatistics KI Biobank, Karolinska Institute
- Ms. Milcah Dhoro
- Mr. Jekoniya Chitereka: Research Co-ordination Manager, Research Council of Zimbabwe

Week 2: Molecular Diagnostics 1-5 December 2014

Molecular Diagnostics is a technique used to analyse biological markers in the genome and proteome- the individual's genetic code and how their cells express their genes as proteins by applying molecular biology to medical testing. The total number of participants was



Molecular Diagnostics Facilitators

- Prof. Collet Dandara: Division of Human Genetics, Department of Clinical Laboratory Sciences, University of Cape Town
- Ms. Milcah Dhoro



Week 3: Forensic DNA

Forensic DNA is a technique employed by forensic scientists to identify individuals by characteristics of their DNA. DNA profiles are a small set of DNA variations that are very likely to be different in all unrelated individuals.

Forensic DNA Facilitators

- Dr. Roslyn Thelingwani: General Manager and Head of Forensics African Institute of Biomedical Science and Technology
- Goodur Parmowtee: Senior Forensic Scientist Life Technologies
- Antonio Aversente: Instruments Senior Sales Rep- Life Technologies

