

Curriculum Vitae

Name: Dr: **Gornas**, Nahid Ahmed Hassan.

Gender: Female

Date of Birth: 01/01/1973

Nationality: Sudanese

Marital status: Married with 3 children

Title: Assistant Professor

Current Position: Head of Production Department .

Central Laboratory, Ministry of Higher education and Scientific research ,Khartoum (Sudan).

Telephone: 00249912842222

Email: ngornas@gmail.com

Languages: English & Arabic: excellent in both written and spoken.

German (**Deutsch**) Language

Qualifications:

2011 **PhD in Molecular Biology. Giessen University (Germany) (institute of Tier zucht und Hous tier genetiK)** in collaboration with Sudan Academy of Science (Sudan).

Title: "Genetic characterization of some local Sudanese sheep breeds using DNA markers (microsatellites and mitochondrial DNA)"

2001 **MSc in Molecular Biology.** Institute of Endemic Diseases, **University of Khartoum** (Sudan)

Title: "Mutational analysis of the P53 tumor suppressor gene among Sudanese oral and oesophageal cancer patients"

1994

BVSc (Bachelor of Veterinary Science), Faculty of Veterinary Science, **University of Khartoum** (Sudan).

Details of my current position :

- Head Department of Rapid Diagnostic kits production June 2015-

-Head of Department of Chemistry 2014-May 2015 where there are 7 researchers, 5 research assistants, 13 technicians

- Head of Molecular Biology and Immunology unit 2005-2012, where there are 5 researchers, 2 research assistants, 3 technicians.

- Teaching in some Sudanese Universities (Alnilien University- University of Science and Technology- University of Technical Science**).**

o COURSES I usually teach:

- **Genetics including Mendalian classical genetics and epigenetic.**
- **Population genetics.**
- **Molecular biology including biochemistry of nucleic acids (structure, Replication, transcription, translation, protein synthesis).**
- **Chromosomes and cell cycle**
- **Biochemistry of cancer**

- **Advanced molecular biology techniques including (nucleic acid isolation.**
- **PCR (conventional PCR and Real time PCR).**
- **Gel electrophoresis.**
- **Post PCR diagnostic techniques (mutation detection techniques).**
- **Sequencing- Microsatellites and DNA finger printing technology.**
- **Diagnostic molecular parasitology**
- **Biotechnology (Medical and pharmaceutical)**

-Teaching and training of under and **post graduate students** who join the **annual training courses** held in the laboratory.

- **Supervision / co supervision/ technical advisor** of **post graduate** students conducting their researches with in the Central laboratory.
- **Running projects :**
 - o Frequency of codon 248 mutations in Exon 7 of P53 tumor suppressor gene among Sudanese esophageal cancer patients- case control study (MSc student).
 - o Conventional and Molecular assessment of antimicrobial sensitivity of bacterial pathogens isolated from Dialysis patients (PhD student).
 - o Digestion of Mitochondrial DNA of three Sudanese camel breeds using different restriction enzymes (MSc student).

- o Genetic characterization of Indigenous Sudanese cattle breeds using FSHR and LHR Genes (PhD student)
- o Genetic characterization of some Sudanese Desert sheep breeds using RAPD technique (Msc student).
- o Mitochondrial DNA Diversity in three different Sudanese goats breeds (MSc student).

Management Experience:

-_Head of Diagnostic kits production , it is a newly established department in the lab, in order to produce some rapid diagnostic kits locally which will help in the development of health care status in Sudan.

-Worked as Head of departments of chemistry and unit of Molecular Biology and Immunology since 2005-2015. In these sections , there is daily routine work for running projects and the studies of attached students who are completing their postgraduate research in Central Laboratory.

-Organizing and supervising the annual training courses of basic molecular techniques held in the unit molecular biology and immunology, four times/ year.

- Teaching theoretical and practical courses in some Sudanese universities (**Alnielin University, University of Technical science- University of Science and Technology**).

- Principal Investigator of the research project conducted **in Gezira state in Sudan**, title of the project is: **Biological, chemical and Heavy metal contaminants in Gezira state , Sudan, Health risks assessments.**

- Principal Investigator of the Research project: Sudanese Animal Genetic Bank.**
- Scientific investigator of the Research project: Using Stable Isotope Techniques to Monitor and Assess the Vitamin A Status of Children Susceptible to Infection**

Training and courses:

- Data management training course as a coordinate research event for the regional project (Using stable isotope technique to monitor and assess the vitamin A status in children susceptible to infection) Vienna, Austria, December 2014.**
- Microsatellite applications in population genetic studies, National center for Research, Cairo, Egypt, 2007.**
- PhD training course held in Institute of Endemic Diseases, Khartoum Sudan, 2006.**
- Bioinformatics, ICGEB training course, held in Khartoum, Sudan, 2005.**
- Cancer Therapy and Therapeutics, held in Jena University, Jena-Germany, 1999.**
- Molecular Biology techniques application in infectious diseases diagnosis, ICGEB course, Khartoum, Sudan, 1997.**

Publications

- **Genetic characterization of Indigenous Sudanese cattle using FSHR and LHR genes.** Nawal. N.Omer., Nahid Gornas., Siham. A. Rahmatalla., Mohamed-khair. A. Ahmed. (Accepted paper) Jan2016

- **Identification of Bacterial Pathogens Isolated from Hemodialysis Patients using VITEK2 Compact System and their antibiotic Susceptibility.** Ebtehag Abd Elgader Merghani, Sulieman M. Elsanousi, Yousif Fadlalla Hamedelnil **and Nahid Ahmed Gornas.** Accepted for publication (October 2015) Sudan Journal of Sciences and Technology.

-**Mitochondrial DNA Diversity in three breeds of Sudanese goats.** ELsurra A. Sanhory., Rania S. Giha., Zarroug H. Ebrahim., Mohamed Tag Eldin., **Nahid Gornas . Open Access Library, OALib- February, 2014.**

- **Digestion of Mitochondrial DNA of some Sudanese camel breeds using three different restriction enzymes.** Mona Sulieman., Yossra A. Malik., S. Sid Ahmed., A. A. Makkawi., **Nahid Gornas.** April 2014. Open Access Library Journal .

o **Impact of environmental and social factors on phenotypic and genotypic diversity** of local Sudanese sheep breeds, **Nahid Gornas**^{1*}, Abdel Rahim M. EL Hussein². Open Journal of Animal Science, Vol 2, No 2, 127-131, **April 2012.**

o **Genetic characterization** of local Sudanese sheep breeds using **DNA markers, Nahid Gornas**^{1,2}, C. Weimann¹, A. El Hussien², G. Erhardt¹ **J. small ruminant research, Vol 95, 27-33, 2011.**

- o **Genetic characterization** of Local Sudanese Sheep breeds using DNA markers (**Mitochondrial DNA**) **Nahid Gornas**^{1,2}, C. Weimann¹, A. El Hussien², G. Erhardt¹ Published in the **conference book** of participated papers. **Giessen University, Germany, 2009.**
- o **P53 mutations among Sudanese oral and oesophageal cancer patients.** **Nahid Gornas** and M.Ibrahim., Published in the **conference book** of participated papers. **New Delhi-India, 2004.**

Oral Presentations and Posters:

- Participated by a **poster** titled (Genetic characterization of Some local breeds of camel using Mitochondrial DNA). IN Camel Research conference, held in **Khartoum Sudan, April 2013.**
- o - Participated as an **oral speaker** in the conference of **Vortragstagungder DGFZ und GFT. September 2009. Giessen - Germany.** Name of the paper was: Genetic characterization of Local Sudanese sheep breeds using Mitochondrial DNA.
- o - Participated as **oral speaker** in the conference of **Tobacco counter parts** held in **New Delhi- India, 2004.** Presenting a paper: **P53 tumor suppressor gene mutations among oral and oesophageal cancer patients in Sudan.**

Membership:

-Member of Basamat Sudanese society for caring of children with cancer.

-Member Sudanese veterinary society.

-Member of the National committee of Alternative Energy.

References:

1. Professor: **Muntasir Altayeb Ibraheim** Institute of Endemic Diseases- University of Khartoum.

-Head of Molecular and population genetics Department.

Email: muntaser26@hotmail.com

2 .Professor **Abdelraheim M. Elhussein**- Ministry Animal Resources and Fisheries.

- Former: General Director of Animal Research Corporation.

Email: abdelhussein@hotmail.com

2. Professor **Altahir Awad Gasim Khalil**- Ministry of Science and communication

-Director of Central Laboratory.

Email: eltahirgasim@yahoo.com

Dr. Nahid Ahmed Hassan Gornas

BVSc, MSc, PhD.