

PERSONAL INFORMATION

Emmanuel Amankwah Ntim



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Sex Male | Date of birth 27/07/1982 | Nationality Ghanaian

Point 1.

Academic Degrees earned with Dates/ Universities Attended

10/2014 - 07/2018

Institute of Toxicology and Genetics, Karlsruhe Institute of Technology, Germany

Dr. rer.nat in Molecular Endocrinology/ Cancer Research

Thesis title: The nuclear chaperones NPM1 and Bag-1L in the regulation of androgen receptor action in prostate cancer cells

Supervisor: **Prof. Dr. Andrew C. B. Cato**

08/2007 - 06/2011

Physiology Department, School of Medical Sciences, Kwame Nkrumah University of Science and Technology, Ghana

Master of Philosophy degree in Physiology

Title: Effect of HIV-1 and Antiretroviral Therapy on Semen Quality.

Supervisor: **Dr. K. Bedu-Addo**

08/2002 - 06/2006

Department of Theoretical and Applied Biology, Kwame Nkrumah University of Science and Technology, Ghana

BSc (Hons) in Biological Sciences

Dissertation project: Factors which affect the activity of the enzyme Alpha-amylase in the conversion of starch into maltose.

Point 2.**University Teaching with Dates**

08/2018 - Current

Lecturer

In the Department of Physiology, School of Medical Sciences, I take part in teaching of Physiology to undergraduate and graduate students (MSc. Disability and PhD Optometry). I also have the responsibility of supervising graduate student in Physiology. In addition, I supervise the organization and teaching of practical Physiology to undergraduate students in the Medical School, Allied Health Faculty and Veterinary School.

10/2014 – 07/2018

PhD fellowship

I supervised undergraduates and masters students in their practical classes as part of the requirements for my PhD studies. I was responsible for a number of undergrads and up to 9 masters' students, three per each year of the PhD period.

08/2013 - 05/2014

Assistant Lecturer

In the Department of Physiology, School of Medical Sciences, I taught undergraduate Reproductive Physiology to Allied health sciences students and Veterinary undergraduate students.

I also assisted in the organization and teaching of labs to all undergraduate students in the Medical school, Faculty of Allied Health Sciences and Veterinary School.

08/2010 - 08/2013

Senior Research Assistant

I assisted in teaching of Physiology practicals in the Department of Physiology, School of Medical Sciences, KNUST as already mentioned above under Assistant lecturer

09/2007 - 04/2009

Physiology Demonstrator (Teaching Assistant) During Masters studies

I assisted in Physiology practical organization for undergraduate Medical and Allied health sciences students in the Department of Physiology, School of Medical Sciences, KNUST

Point 3.**Research and Publications****Current Research**

- Investigation of possible risk factors of Benign Prostatic Hyperplasia (BPH) and Prostate Cancer development

Previous Research Conducted

1. Bag-1L as a therapeutic target in the treatment of prostate cancer
2. Single molecular resolution detailed studies of the mechanism by which Bag-1L regulate Androgen receptor binding to chromatin
3. Nucleophosmin 1, a key regulator of Bag-1L and Androgen receptor action in prostate cancer cell proliferation
4. Effect of HIV infection and Anti-retroviral therapy on semen quality of HIV-infected men

Publications

Nane C. Kuznik, Claudia Muhle-Goll, Nicole Jung, **Emmanuel A. Ntim**, Irene I. Lee, Jaice T. Rottenberg, Valeria Solozobova, Qing Lei, Simone Gräßle, Celia Deville, Kumar Amrish, Ravindra Peravali, Ravi S. N. Munuganti, Linxiao Yang, Liubov Shatkina, Claudia Ester, Laura Cato, Seham Elabd, Marco Dilger, Eric M. Lewandowski, Bruno Kieffer; Karin Nienhaus Carsten Weiss, Christine Blattner, G. Ulrich Nienhaus, Yu Chen, Amina Zoubeidi, Stefan Bräse, Myles Brown and Andrew C. B. Cato(**under review**). **Development of androgen receptor N-terminal inhibitor for targeting androgen responsive prostate cancer (reference number: NCOMMS-20-15397-T)** (Submitted to Nature Communication for peer review publishing)

Laura Cato, Antje Neeb, Adam Sharp, Victor Buzon, Scott B Ficarro, Linxiao Yang, Claudia Muhle-Goll, Nane C Kuznik, Ruth Riisnaes, Daniel Nava Rodrigues, Olivier Armant, Victor Gourain, Guillaume Adelmant, **Emmanuel A Ntim**, Thomas Westerling, David Dolling, Pasquale Rescigno, Ines Figueiredo, Friedrich Fauser, Jennifer Wu, Jaice T Rottenberg, Liubov Shatkina, Claudia Ester, Burkhard Luy, Holger Puchta, Jakob Troppmair, Nicole Jung, Stefan Bräse, Uwe Strahle, Jarrod A Marto, Gerd Ulrich Nienhaus, Bissan Al-Lazikani, Xavier Salvatella, Johann S de Bono, Andrew CB Cato, Myles Brown (2017). **Development of bag-1L as a therapeutic target in androgen receptor-dependent prostate cancer. Elife 6: 1–27.**

E. A. Ntim and K. Bedu-Addo (2013). **Effect of HIV-1 and Antiretroviral Therapy on Semen Quality. Journal of the Ghana Science Association 15: 1**

Publications in preparation

Emmanuel A. Ntim, Irene Lee, Linxiao Yang, Cato Laura, et al. The nuclear chaperones NPM1 and Bag-1L in the regulation of androgen receptor action in prostate cancer cells. (**In Preparation**)(NB: Emmanuel A. Ntim will be first author)

Linxiao Yang, **Emmanuel A. Ntim**, Irene Lee, Cato Laura, et al. Single molecular detailed resolution on the dynamics of Bag-1L regulation of Androgen receptor mobility and binding on chromatin. (**In Preparation**)

(NB: This will be equal contribution by Linxiao Yang and Emmanuel A. Ntim)

Research Techniques

Research Techniques Molecular biology techniques: cloning, SDS-PAGE, Western Blotting, Protein production and purification, Lentivirus production, Bacterial transformation, plasmid purification etc
 Cell Culture, mammalian cell transfection, RNA analysis, Gene expression Analysis, Fluorescence activated cell sorting (FACS) etc
 Tumour experiments with Murine, handling of Murine and Murine dissection
 Cell Biology Techniques: Preparation of samples for confocal microscopy and use of confocal microscope

Point 5.

Conferences and Workshops Attended

Conferences	08/2017	Androgen Receptor folding and dynamics in prostate cancer cells is enabled by the Histone Chaperone Nucleophosmin 1. Emmanuel A. Ntim , Linxiao Yang, Jaice Rottenberg, Katja Jehle, Mohammed Salama, Laura Cato, Myles Brown, G. Ulrich Nienhaus, Andrew C.B. Cato. Hormone Dependent Cancers Meeting, Sunday River, Newry, Maine, United States of America, August 11-17, 2017 (poster)
	02/2017	Regulation of Androgen Receptor Action by Histone Chaperone Nucleophosmin 1. Emmanuel A. Ntim , Mohammed Salama, Linxiao Yang, Katja Jehle, Laura Cato, G. Ulrich Nienhaus, Andrew C. B. Cato; Mannheim Symposium; (Poster)
	06/2016	Regulation of Bag-1L-Androgen receptor action by histone chaperone NPM1. Emmanuel A. Ntim , Katja Jehle, Antje Neeb and Andrew C. B. Cato; BIF IGS , Germany (Oral Presentation)
	05/2015	Regulation of androgen receptor action by N-terminal sequences of the cochaperone Bag-1L. Emmanuel A. Ntim , Katja Jehle, Antje Neeb and Andrew C. B. Cato; BIF IGS, Germany (Poster)
	6/2013	6th South African AIDS Conference at the ICC in Durban, South Africa (Abstract was accepted)
		2nd Annual Scientific Conference on Life style and Non-communicable diseases, (September, 2009), KNUST, Ghana.
Workshops	09/2016	Career and Leadership Development: Making Powerful Choices and a Positive Impact, Organized by The Helmholtz Association, Germany.
	08/2009	Guide to Writing Research Proposal for Funding by Ghana-Michigan CHARTER; Research proposal writing training at the Golden Tulip Hotel, Kumasi
	01/2006	Staying Current with Your Research Topics: Kumasi Centre for Collaborative into Tropical Medicine, Kumasi (January, 2006).

Honours

Honours and awards

- DAAD/Government of Ghana PhD Scholarship: October 2014- July, 2018
- BioInterfaces International Graduate School (KIT, Germany) Travel Grant: Won a travelling grant to enable me attend a specialist meeting on Hormone dependent cancers: August 11- 17, 2017, Maine, USA.

Membership

Memberships

- University Teachers Association of Ghana (UTAG)
- European Society of Endocrinology
- German Society for Endocrinology

Languages

Mother tongue(s)

Fanti and English

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Deutsche	B1.2	B1.2	B1.2	B1.2	B1.2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Reference

References

Prof. Dr. A. C. B. Cato (Professor of Genetics)

Institute of Toxicology and Genetics, Karlsruhe Institute of Technology, Germany

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Dr. K. Bedu-Addo (Senior Lecturer)

Department of Physiology, School of Medical Sciences, KNUST, Ghana.

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Prof. E. Tsiri Agbenyega (Professor of Physiology)

Department of Physiology, School of Medical Sciences, KNUST, Ghana.

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