

CURRICULUM VITAE

NAME: Christine Adhiambo
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EDUCATION

Ph.D. in Biochemistry	Purdue University, West Lafayette, IN, USA	2005
MSc. in Biochemistry	University of Nairobi, Nairobi	1996
BSc. in Biochemistry and Zoology	University of Nairobi, Nairobi	1992

TEACHING EXPERIENCE

- **Lecturer** Jan 2013-To date
Department of Biochemistry, University of Nairobi, Nairobi
- **Lecturer** Sept 2012-Dec 2012
Department of Biochemistry and Biotechnology, Kenyatta University, Nairobi
- **Part- time Lecturer** May 2012-Aug 2012
Department of Biochemistry and Biotechnology, Technical University of Kenya, Nairobi
- **Teaching Assistant** Jan-May 2000
Department of Biochemistry, Purdue University, West Lafayette, IN, USA
- **Assistant Lecturer** April 1996-July 1999
Department of Medical Biochemistry, Moi University, Eldoret, Kenya
- **Part-time Lecturer** Feb-April 1996
Department of Chemistry/Biochemistry, Egerton University, Njoro, Kenya

RESEARCH EXPERIENCE

- **Postdoctoral Research Associate** Nov 2010 – Nov 2011
Department of Biology, North Carolina Agricultural and Technical State University, Greensboro, NC, USA
- **Postdoctoral Research Associate/Research Lab Manager** 2008-Nov 2010
Department of Biochemistry and Cancer Biology, Meharry Medical College, Nashville, TN, USA
- **Postdoctoral Research Fellow** 2005-2007
Department of Parasitology and Mycology, Pasteur Institute, Paris, France
- **Graduate Research Assistant** 1999-2005
Department of Biochemistry, Purdue University, West Lafayette, IN, USA
- **Visiting Scholar** Sept-Dec 1998
Medical Sciences Program, Indiana University, Bloomington, IN, USA
- **Graduate Research Assistant** 1991-1995
Department of Biochemistry, University of Nairobi, Nairobi, Kenya/ Institute of Primate Research, Karen, Nairobi, Kenya
- **Student Research Assistant** July-Sept 1989; Nov 1990-Feb 1991; July-Sept 1991
Institute of Primate Research, Karen, Nairobi, Kenya

RESEARCH INTERESTS

Protozoan Biochemistry, Molecular Parasitology and signaling.

RESEARCH SKILLS

Proficient in techniques in molecular and cell biology, biochemistry and immunology; These include: DNA and RNA purification, cloning, Southern blotting, library screening, sequence analysis, PCR, gel electrophoresis, northern blotting, ChIP, qRT-PCR, RT-PCR, RNA interference, western blotting, protein expression and purification, cell culture, cell proliferation assay, light and fluorescence microscopy, parasite culture, transfection, cell fractionation, liposome preparation and purification, chromatography, lipid analysis, enzymatic assays, ELISA, immunocytochemistry, immunoassays and bioassays. Experience working with mice and non-human primates.

SCHOLARSHIP/FELLOWSHIP

University of Nairobi staff development scholarship	1991-1994
Purdue Research Fellowship	2000-2001
Fondation pour la Recherche Médicale Fellowship	2005-2008

PROFESSIONAL MEMBERSHIP

American Association for the Advancement of Science (AAAS)
American Association for Cancer Research (AACR)
Iota Sigma Pi, National Honor Society for Women in Chemistry
Gamma Sigma Delta, Honor Society for Agriculture, Consumer and Family Sciences, and Veterinary Medicine
Biochemical Society of Kenya
Kenya Society of Immunology

PUBLICATIONS

1. Lu, W., Liu, S., Li, B., Xie, Y., **Adhiambo, C.**, Yang, Q., Ballard, B. R., Nakayama, K. I., Matusik, R. J., and Chen, Z. (2015). SKP2 inactivation suppresses prostate tumorigenesis by mediating JARID1B ubiquitination. *Oncotarget* 6 (2), 771-788.
2. Guillory, B., Sakwe A. M., Saria M., Thompson. P. D., **Adhiambo, C.**, Koumangoye, R., Ballard, B. R., Bin hazim, A., Cone, C., Jahnen-Dechent, W. and Ochieng, J. (2010). Lack of fetuin-A (α 2HS-glycoprotein) reduces mammary tumor incidence and prolongs tumor latency via TGF-beta signaling pathway in a mouse model for breast cancer. *The American Journal of Pathology* 177, 2635-2644.
3. **Adhiambo, C.**, Blisnick, T., Toutirais, G., Delannoy, E. and Bastin, P. (2009). A novel function for the atypical small G protein Rab-like 5 in the assembly of the trypanosome flagellum. *Journal of Cell Science* 122, 834-841.
4. **Adhiambo, C.**, Forney, J. D., Asai, D. J. and LeBowitz, J. H. (2005). The two cytoplasmic dynein-2 isoforms in *Leishmania mexicana* perform separate functions. *Molecular and Biochemical Parasitology* 143, 216-225.
5. Gicheru, M. M., Olobo, J. O., Kariuki, T. M. and **Adhiambo, C.** (1995). Visceral leishmaniasis in vervet monkeys: Immunological responses during asymptomatic infection. *Scandinavian Journal of Immunology* 41, 202-208.

CONFERENCES ATTENDED AND PRESENTATIONS

1. 9th Federation of African Immunological Societies (FAIS) Conference, SafariPark Hotel, Nairobi. (2014).
2. Third annual infectious disease symposium, M.P. Shah Hospital, Nairobi. (2014).
3. 19th International Scientific Conference “Basic and clinical research for improved health” Southern Sun Mayfair Hotel, Nairobi. (2013).
4. American Association for Cancer Research (AACR) 102nd Annual meeting, Orlando, FL, USA. (2011).
5. Poster presentation at North Carolina Agricultural and Technical State University research day, Greensboro NC, USA. Whitener R., **Adhiambo, C.**, Williams, C. and Muganda P. Diepoxybutane induces endoplasmic reticulum response stress response and Caspase 4. (2011).

6. American Association for Cancer Research (AACR) 99th Annual meeting, San Diego, CA, USA. (2008).
7. Poster presentation at “From biology of cilia to cilia-related genetic diseases” Meeting, College de France, Paris, France. **Adhiambo, C.**, Delannoy, E., Toutirais, G., Absalon, S., Branche, C. and Bastin, P. The role of two G-proteins in flagellum assembly in *Trypanosoma brucei*. (2007).
8. International Paramecium Genomics Meeting, Dourdan, France. (2006).
9. Poster presentation at the 11th International Congress of Parasitology Meeting, SECC, Glasgow, Scotland. **Adhiambo, C.**, Delannoy, E., Toutirais, G., Branche, C. and Bastin, P. The role of two G-proteins in flagellum assembly in *Trypanosoma brucei*. (2006).
10. Poster presentation at “The trypanosome flagellum: An emerging model” Meeting, Institute Pasteur, Paris, France. **Adhiambo, C.**, Delannoy, E., Toutirais, G., Branche, C. and Bastin, P. Two novel G-proteins control flagellum construction in trypanosomes. (2006).
11. Poster presentation at the 15th Molecular Parasitology Meeting, Marine Biological Laboratory, Woods Hole, MA, USA. **Adhiambo, C.**, Forney, J. D. and LeBowitz, J. H. Abstract 204A. Two cytoplasmic dynein-2 heavy chain isoforms perform different functions in *Leishmania mexicana*. (2004).
12. Poster presentation at the 14th Molecular Parasitology Meeting, Marine Biological Laboratory, Woods Hole, MA, USA. **Adhiambo, C.**, Forney, J. D. and LeBowitz, J. H. Abstract 251A. A cytoplasmic dynein-2 homolog involved in flagellar morphology and function in *Leishmania mexicana*. (2003).
13. Oral presentation at the 13th Molecular Parasitology Meeting, Marine Biological Laboratory, Woods Hole, MA, USA. **Adhiambo, C.** and LeBowitz, J. H. Abstract 10D. Involvement of cytoplasmic dynein 1b in intraflagellar transport in *Leishmania mexicana*. (2002).
14. Poster presentation at the 19th African Health Sciences Congress, Arusha, Tanzania. **Adhiambo, C.**, Olobo, J. O. and Gathuru, J. K. Neuraminidase and galactose oxidase (NAGO) a probable adjuvant for use in vaccination against *Leishmania donovani*. 19th African Health Sciences Congress, Arusha, Tanzania. (1998).

TRAINING WORKSHOPS ATTENDED

1. CLC Bio hands-on Bioinformatics workshop, KARI-TRC Muguga. (2013).
2. Biochemical Society of Kenya (BSK) Bioinformatics workshop "From Genomes to Functions, A Practical Approach to Interrogating Genomic Data", KARI-TRC, Muguga. (2013).
3. Animal care facilities laboratory animal training module, Meharry Medical College, Nashville, TN. (2010).
4. Preparing for AAALAC, IACUC workshop, Meharry Medical College, Nashville, TN. (2008).
5. Program in Clinical and Research Ethics, cultures in context HIV and substance abuse research in the southeast, Meharry Medical College, Nashville TN. (2008).
6. Basic Radiation Safety Training, Meharry Medical College, Nashville, TN. (2008).
7. Applied Management Principles Program, Purdue University, West Lafayette, IN. (2003).