

# Duncan Mwangi



Senior Principal Scientist and Team Leader at Zoetis LLC

Kalamazoo, Michigan Area  
Veterinary

## Duncan Mwangi Overview

### Current

- Senior Principal Scientist and Team Leader, Adjuvant and Immunomodulator Research Team at Zoetis

### Past

- Senior Principal Scientist and Team Leader, Adjuvant and Immunomodulator Research Team at Pfizer Animal Health
- Senior Principal Scientist at Pfizer Animal Health
- Scientist at International Livestock Research Institute

### Education

- The University of Edinburgh
- University of Nairobi
- University of Nairobi
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## Duncan Mwangi's Experience

**Senior Principal Scientist and Team Leader, Adjuvant and Immunomodulator Research Team**

[Zoetis](#)

Public Company; 5001-10,000 employees; Pharmaceuticals industry

February 2013 – Present (5 months) Kalamazoo, Michigan

Leads the Adjuvant and Immunomodulator Research Team that designs and develops novel adjuvants/immunomodulators for vaccine and biopharmaceutical project teams.

## **Senior Principal Scientist and Team Leader, Adjuvant and Immunomodulator Research Team**

### **Pfizer Animal Health**

Public Company; 10,001+ employees; PFE; Pharmaceuticals industry

January 2012 – January 2013 (1 year 1 month) Kalamazoo, Michigan Area

Scientific Leadership in Adjuvant and Immunomodulator choice and design for Vaccine and Biotherapeutics programmes

## **Senior Principal Scientist**

### **Pfizer Animal Health**

Public Company; 10,001+ employees; PFE; Pharmaceuticals industry

June 2008 – December 2011 (3 years 7 months) Kalamazoo, Michigan

Immunology, adjuvant, biopharma and vaccine R&D

## **Scientist**

### **International Livestock Research Institute**

March 2002 – May 2008 (6 years 3 months) Nairobi, Kenya

i) Development of sub-unit vaccine against Theileria parva.

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ii) Other Research activities at ILRI

Avian Influenza Diagnosis research, Mentored projects on development of improved diagnostics and vaccines for CBPP and Heartwater. Supervised 2 Wellcome Trust funded projects

Technologists and Graduate students • Co-author of 2 patents

## **Associate Scientist-Immunology**

### **CIRAD-EMVT**

September 2000 – February 2002 (1 year 6 months) ILRI, Nairobi, Kenya and Montpellier, France

•Project cellular Immunologist: Optimisation and evaluation of an anti-disease candidate vaccine (Cysteine protease-congopain) against Trypanosoma congolense infection in cattle.

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## **Visiting Scientist**

### **International Livestock Research Institute**

March 2000 – August 2000 (6 months) Nairobi, Kenya

•Visiting Scientist Development of antigen-specific B cell assays to test the hypothesis that isotype switching mechanisms in cattle•

## **Post-Doctoral Scientist-Immunology**

### **University of Florida**

Educational Institution; 10,001+ employees; Higher Education industry

July 1994 – February 2000 (5 years 8 months) Gainesville, FL, Nairobi, Kenya and Harare, Zimbabwe

Research on definition of protective cellular immune responses in Heartwater (Cowdria ruminantium now renamed Ehrlichia ruminantium) infection in cattle and vaccine development. Co-inventor on one patent.

## **Lecturer, Veterinary Parasitology and Immunology**

### **University of Nairobi**

Educational Institution; 1001-5000 employees; Research industry

May 1991 – September 1998 (7 years 5 months) Nairobi, Kenya

Lectures to Undergraduate and graduate students in veterinary Parasitology and Immunology.

## **Assistant Lecturer in Veterinary parasitology**

### **University of Nairobi**

Educational Institution; 1001-5000 employees; Research industry

July 1984 – May 1991 (6 years 11 months) Nairobi, Kenya

Lectures and practicals to veterinary undergraduates

## Duncan Mwangi's Skills & Expertise

1. [Veterinary Medicine, Immunology, Vaccinology, Adjuvants and formulations](#)
2. [Immunology](#)
3. [Vaccines](#)
4. [Veterinary Medicine](#)
5. [Assay Development](#)
6. [Cell](#)
7. [Veterinary](#)

## Duncan Mwangi's Education

### The University of Edinburgh

#### PhD, Immunology

1987 – 1992

Title: *Trypanosoma (Nannomonas) congolense*: Pathogenesis and Cellular responses during the early stages of infection in sheep.

### University of Nairobi

#### MSc, Masters degree in Veterinary Pathology and Microbiology

1984 – 1987

Title: Immunosuppression in goats infected with *Trypanosoma congolense*: studies using anthrax spore vaccine.

### University of Nairobi

#### BVM, Veterinary Medicine

1979 – 1984

Degree course in veterinary medicine.

*Activities and Societies*: Veterinary Students Association, Committee Member.

## Other Roles

- **Reviewer for the following scientific journals:** Vaccine, Vet. Immunology and Immunopathology

- **Grant Reviewer:** Wellcome Trust, Gates Foundation, ASARECA, Rockefeller Foundation
- **Member of Expert Scientific Advisory Committee of GALVMED**