



Dr Folorunso Oludayo Fasina

Dr Fasina is senior lektor in die Departement Produksiedierstudies in die Fakulteit Veeartsenykunde. Sy doseerplig sluit varkgesondheid en -produksie in en hy voorsien leiding aan professionele en navorsingsgebaseerde nagraadse studente.

Sy navorsingsgebied is die virale epidemiologie van dieresiektes wat oor landsgrense versprei, die ekonomie en ekologie van dieresiektes en siektemodellering. Hy het in die besonder navorsing gedoen oor hoogs patogeniese voëlgriep H5N1, Afrika-varkgriep (ASF) en ander dieresiektes. In dr Fasina se jongste navorsingswerk is 'n kombinasie van klassieke epidemiologiese, ekonomiese en bewysgebaseerde werktuie gebruik om die voorkoms van Afrika-varkgriep (ASF) in Nigerië te bepaal. Varkgriep is geo-temporeel gekarteer, die ekonomiese implikasies van infeksies is beraam, motivering van alternatiewe beheer (biosekuriteit) is ondersoek, die voorkoms van 'n virulensiegeen (timidienkinase) is vergelyk en gekontrasteer en die doeltreffendheid van etniese veteriniere middels wat aangewend word vir die beheer van Afrika-varkgriep is geëvalueer.

Tot op datum het 55 portuurbeoordeelde publikasies uit sy pen verskyn in hoogs aangeskrewe vaktydskrifte, onder meer *Lancet Infectious Diseases*, *PLoS ONE*, *Eurosurveillance*, *Emerging Infectious Diseases*, *Epidemiology and Infection*, *Preventive Veterinary Medicine*, *Transactions of the Royal Society of Tropical Medicine and Hygiene*, en *Zoonoses and Public Health*. Dr Fasina het meer as 16 geldbeurse en prestasietoekennings ontvang. Hy het in 2010 ingeskryf vir die PhD in Dierkunde aan die Universiteit van Pretoria en is besig met die afhandeling van sy verhandeling. Hy was ook as leier of medewerker betrokke by 'n aantal navorsings- en toetsprogramme – nasionaal sowel as internasionaal – en beskik oor 'n netwerk van medewerkers in Afrika, die VSA, Europa en Suid-Amerika.

Sommige van sy onlangse vakkundige prestasies was die Dik Zwart-toekenning vir die beste mondelinge wetenskaplike aanbieding, wat in 2007 in Frankryk deur die Association of Institutions of Tropical Veterinary Medicine International aan hom toegeken is, die AHEAD-toekenning (Animal and Human Health for the Environment and Development) wat hy in 2009 van die International Union for Conservation of Nature en die World Conservation Society ontvang het en die bewilling vir persoonlike ontwikkeling wat in 2010 aan hom toegeken is deur die Voedsel- en Landbou-organisasie van die Verenigde Nasies en die International Funds for Agricultural Development (IFAD).

Dr Fasina is a senior lecturer in the Department of Production Animal Studies in the Faculty of Veterinary Science. He lectures on porcine health and production and supervises professional and research-based postgraduate students.

His area of research is viral epidemiology of transboundary animal diseases, animal disease economics and ecology, and disease modelling. Specifically, he has worked on highly pathogenic avian influenza H5N1, African swine fever (ASF), and other animal diseases. Dr Fasina's recent work involved the use of a combination of classical epidemiologic, economic, laboratory and evidence-based tools to determine the prevalence of ASF in Nigeria. This project involved mapping ASF geo-temporally, estimating the economic implications of infection, justifying alternative control (biosecurity), comparing and contrasting a virulence gene (thymidine kinase) and evaluating the effectiveness of ethnoveterinary preparations used in the management of ASF.

To date, he has published 55 peer-reviewed publications in top-rated journals including *Lancet Infectious Diseases*, *PLoS ONE*, *Eurosurveillance*, *Emerging Infectious Diseases*, *Epidemiology and Infection*, *Preventive Veterinary Medicine*, *Transactions of the Royal Society of Tropical Medicine and Hygiene*, and *Zoonoses and Public Health*. Dr Fasina has received over 16 grants and achievement awards. He enrolled for his PhD in Zoology in 2010 at the University of Pretoria and has recently finalised his thesis. He has also led or actively participated in a number of research and surveillance programmes nationally and internationally, and has a network of research collaborators in Africa, USA, Europe and South America.

Some of his recent scholastic achievements include: the best scientific oral presentation (Dik Zwart Award) presented by the Association of Institutions of Tropical Veterinary Medicine International, France, 2007; the Animal and Human Health for the Environment and Development (AHEAD) Award presented by the International Union for Conservation of Nature and World Conservation Society, 2009; and the personal development grant presented by the Food and Agricultural Organisation of the United Nations (FAO) and International Funds for Agricultural Development (IFAD), 2010.

Dr Fasina ke mofahlošimogolo wa Kgoro ya Dithuto tša Tšweletšo ya Diphoofole ya Lefapha la Saense ya Bongaka bja Diphoofole. O ruta ka ga maphelo a dikolobe le tšweletšo ebile o okamela baithuti ba profeseinale le ba go dira dinyakišišo ba dithuto tša ka morago ga tikrii ya mathomo.

Lekala la gagwe la dinyakišišo ke la epidemiolotši ya birase (virus) ya malwetši a diphoofole ao a hwetšwago le ka dinageng tša baagišane, ekholotši le ekonomiki ya malwetši a diphoofole, le go mmotlolo wa malwetši. O šomile kudu ka H5N1 ya mpshikela wa dinonyana, mpshikela wa dikolobe ka Afrika (ASF), le malwetši a mangwe a diphoofole. Mošomo wa bjale wa Dr Fasina o akaretša tshomišo ya kopantsho ya epideomiolotši ya sekgale, ekonomi, laporatori le dithulusi tša go thewa godimo ga bohlatše go laetša go ata ga ASF go la Nigeria. Protšeke ye e akaretša go thala ASF ya geo-themporeale, ya go akanya diphethagatšo tša ekonomi tša phetetšo, go lokafatša taolo yenngwe (tšhireletšophelo), go bapetša le go lwantšha tsine ya mpholo (thymidine kinase) le go sekaseka phethagalo ya ditokišetšo tša etenobetherinari tše di šomišitšwego ka taolong ya ASF. Ka se sebaka, o gatišitše dikgatišo tše 55 tše o di sekasekilwego ke ba mphato wa gagwe ka ditsenaleng tša maemo a godimo, go akaretšwa *Lancet Infectious Diseases*, *PLoS ONE*, *Eurosurveillance*, *Emerging Infectious Diseases*, *Epidemiology and Infection*, *Preventive veterinary Medicine*, *Transactions of the Royal Society of Tropical Medicine and Hygiene*, le *Zoonoses and Public Health*.

Dr Fasina o amogetše dithušo tša mašeleng tša go feta tše 16 le difoka tša katlego. O ngwadišitše PhD ya gagwe ka Thutadiphoofole ka 2010 Yunibesithi ya Pretoria gomme gabjale o feleletša thesese ya gagwe. Gape o etile pele goba o kgathile tema ka mafolofolo ka mananeong a tlhokomedišišo le dinyakišišo a go balega maemong a bosetšhaba le a boditšhabatšhaba, gomme o na le neteweke ya bašomišani ba dinyakišišo ka mo Afrika, USA, Yuropa le Amerika ya Borwa.

Tše dingwe tša dipihlelelo tša gagwe tša thuto di akaretša: polelo ya saense ye kaone (Sefoka sa Dik Zwart) ya go hlagišwa ke Mokgatlo wa Diinstitšhušene tša Boditšhabatšhaba tša Kalafo ya Diphoofole tšaTropikale, France, 2007; Sefoka sa Maphelo a Diphoofole le Batho sa Tikologo le Tlhabollo (AHEAD) ya go hlagišwa ke Yunione ya Boditšhabatšhaba ya Paballo ya Tlhago le Mokgatlo wa Paballo ya Lefase, 2009; le thušo ya mašeleng ya tlhabollo ya motho ka nnoši ya go hlagišwa ke Mokgatlo wa Dijo le Temo wa Dinagakopano (FAO) le Matlotlo a Boditšhabatšhaba a Tlhabollo ya Temo (IFAD), 2010.