

## AGRICULTURAL RESEARCH COUNCIL

The first 3 columns ("Research Focus Area", "Area of Expertise" and "Commodity") can be filtered to refine your search.

Just click on the heading in the right corner of the highlighted area and select your preference from the drop-down that will appear.

Research Focus Area	Area of expertise	Commodity	Core activities	Contact	E-Mail	Telephone number	Location
Animal Health	Animal Genetics/Genomics	Biotechnology Platform	* Characterization, sustainable utilization and conservation of livestock genetic resources.	Dr Farai Muchadeyi	MuchadeyiF@arc.agric.za	(012) 529 9352	Onderstepoort, Pretoria
Animal Health	Animal Genetics/Genomics	Biotechnology Platform	* Sunflower breeding; * Genetics, genomics and genetic engineering for yield, oil quality, and other traits; * Biofuel production and processing.	Dr Dirk Swanevelder	SwanevelderD@arc.agric.za	(012) 529 9472	Onderstepoort, Pretoria
Animal Health	Food Science and Technology	Food/Feed	ARC Irene Analytical Services Product analysis & chemical and microbiological analysis ARC Ezenburg - Eastern and Western Cape * Chemical and microbiological analysis; * Compositional analysis of milk; Sensory laboratory * Sensory evaluation; * Quantitative Descriptive Analysis; * Consumer sensory evaluation; * Shelf life stability tests; * Comparative product analysis; * Statistical interpretation of results & consultations	Penny Barnes	PBarnes@arc.agric.za	(012) 672 9292	Irene, Pretoria
Animal Health	Toxicology	Food/Feed	* Feed Safety - mycotoxin research	Dr Judith Phoku	phokuj@arc.agric.za	(012) 529 9256	Onderstepoort, Pretoria
Animal Health	Toxicology	Food/Feed	* Genetic Toxicology * In vitro toxicity and natural products isolation * Toxicology Diagnostics	Dr Esam Elgorashi	elgorashie@arc.agric.za	(012) 529 9260	Onderstepoort, Pretoria
Animal Health	Taxonomy	Insects	* Culicoides identification, taxonomy and surveillance * Repellent testing using UV light traps * General biting fly identification.	Dr Karien Labuschagne	labuschagnek@arc.agric.za	(012) 529 9177	Onderstepoort, Pretoria
Animal Health	Diagnostic services	Livestock diseases	* Collection and Submission of Specimens; * Collaborating and reference centers; * Diagnostics & Submission Forms.	Dr Misheck Mulumba	Bofelof@arc.agric.za	(012) 529 9274/3/2	Onderstepoort, Pretoria
Animal Health	Vaccine Production	Livestock diseases	* Foot and Mouth Vaccines - Antigen Production	Ms Faith Peta	PetaF@arc.agric.za	(012) 529 9577	Onderstepoort, Pretoria
Animal Health	Vaccine Production	Livestock diseases	* Foot and Mouth vaccines - Tissue culture services	Mr Lourens van Staden	VanStadenL@arc.agric.za	(012) 529 9576	Onderstepoort, Pretoria
Animal Health	Vaccine Production	Livestock diseases	* Tick-borne disease live blood vaccines	Mr Christo Troskie	TroskieC@arc.agric.za	(012) 529 9436	Onderstepoort, Pretoria
Animal Health	Diagnostic services	Livestock diseases	* Molecular diagnostics - African Horse Sickness	Dr Antoinette van Schalkwyk	VanSchalkwykA1@arc.agric.za	(012) 529 9108	Onderstepoort, Pretoria
Animal Health	Diagnostic services	Livestock diseases	* Development of potential molecular diagnostic assays * Growth of viruses in cell culture * Testing reagents for use as diagnostic tools * Producing potential reagents for diagnostic tools (purified virus, DNA, RNA)	Dr Lia Rotherham	RotherhamL@arc.agric.za	(012) 529 9250	Onderstepoort, Pretoria
Animal Health	Diagnostic services	Livestock diseases	* Viral Diagnostics: - Virus isolation and neutralisation test - Haemagglutination inhibition - Agar gel immunodiffusion - ELISA	Dr Baratang Lubisi	LubisiA@arc.agric.za	(012) 529 9233	Onderstepoort, Pretoria
Animal Health	Diagnostic services	Livestock diseases	* Viral Diagnostics: - Complement Fixation Test - Agar gel immunodiffusion Test - Haemagglutination inhibition Test	Ms Mpho Molefe	BogatsuM@arc.agric.za	(012) 529 9109	Onderstepoort, Pretoria
Animal Health	Quality control	Livestock diseases	* ISO17025 - Implementation * ISO17025 - Auditing	Dr Baratang Lubisi	LubisiA@arc.agric.za	(012) 529 9233	Onderstepoort, Pretoria
Animal Health	Bacterial serology	Livestock diseases	* Bacterial Serology Diagnostics * Brucellosis, Dourine & CBPP * Leptospirosis	Dr Andy Potts	PottsA@arc.agric.za	(012) 529 9396	Onderstepoort, Pretoria
Animal Health	Bacterial zoonoses and diagnostics	Livestock diseases	* Molecular diagnostics of bacterial diseases: Q- fever, Anthrax, Campylobacteriosis, Brucellosis, Salmonellosis, Clostridial diseases etc. * Food borne diseases/pathogens * Non tuberculous mycobacteria	Dr Noma Gcebe	Gceben@arc.agric.za	(012) 529 9138	Onderstepoort, Pretoria
Animal Health	Bacterial zoonoses and diagnostics	Livestock diseases	* Bacterial isolation and identification * Bacterial typing * Identification of zoonotic bacterial pathogen * Antimicrobial profiling of bacterial pathogens	Dr Itumeleng Matle	Matlei@arc.agric.za	(012) 529 9137	Onderstepoort, Pretoria
Animal Health	Biosafety/ Biosecurity	Livestock diseases	* Biosafety and Biosecurity	Dr Baratang Lubisi or Ms Hope Tshabalala	LubisiA@arc.agric.za or KekanaH@arc.agric.za	(012) 529 9233/9114	Onderstepoort, Pretoria
Animal Health	Diagnostic services	Livestock diseases	* Diagnostics and epidemiology of Tuberculosis & Johne's disease	Dr Tiny Hlokwé	HlokwéT@arc.agric.za	(012) 529 9149/452	Onderstepoort, Pretoria
Animal Health	Diagnostic services	Livestock diseases	* Molecular diagnostics of viral and other veterinary pathogens	Dr Marco Romito	RomitoM@arc.agric.za	(012) 529 9252	Onderstepoort, Pretoria
Animal Health	Diagnostic services	Livestock diseases	* Molecular Diagnostics - Corridor disease - Characterization of Theileria parva using next generation sequencing	Ms Boitumelo Maboko	bpule@arc.agric.za	(012) 529 9217	Onderstepoort, Pretoria
Animal Health	Diagnostic services	Livestock diseases	* Diagnostics and Epidemiology of blood-borne parasites * Genomics of protozoa * Tick biology, taxonomy and systematics * Tick genomics, proteomics and transcriptomics	Dr Ben Mans or Ms Ronel Pienaar	mansb@arc.agric.za or VolschenkR@arc.agric.za	(012) 529 9200/9168	Onderstepoort, Pretoria
Animal Health	Epidemiology	Livestock diseases	* Field based disease investigation	Dr Baratang Lubisi	LubisiA@arc.agric.za	(012) 529 9233	Onderstepoort, Pretoria
Animal Health	Mirobiology	Livestock diseases	* Rabies Diagnostics and Research - validation of serological and molecular assays - virus characterisation - vaccine assessment	Dr Claude Sabeta, Mr Ernest Ngoepe or Ms Baby Phahladira	SabetaC@arc.agric.za, NgoepeE@arc.agric.za or Phahladirab@arc.agric.za	(012) 529 9439/9448/9477	Onderstepoort, Pretoria
Animal Health	Diagnostic services	Livestock diseases	* Analysis of anti-nutritive and toxic factors in feeds and plants	Dr KG Kgosana	MawelaKG@arc.agric.za	(012) 529 9261	Onderstepoort, Pretoria
Animal Health	Animal Genetics/Genomics	Livestock diseases	* Tick Identification, sequencing & phylogenetics	Mr Deon Bakkes	BakkesD@arc.agric.za	(012) 529 9302	Onderstepoort, Pretoria
Animal Health	Vaccine Production	Livestock diseases	* Heartwater vaccines development * Tissue cultures & Antigen production	Mr Lefoka Calvyn Molepo	MolepoLC@arc.agric.za	(012) 529 9293	Onderstepoort, Pretoria
Animal Health	Risk assessment	Livestock/Aquaculture/Wild Life	* Chemistry & Pollution Risk Assessment * Food and Feed Safety * New Method Development & Validations * Residue Analysis- Antibiotics, Veterinary drugs, Mycotoxins * Pesticides and Environmental Contaminants * Risk Assessment, Exposure Analysis and Remediation	Dr Ovokeroye Abafe	AbafeO@arc.agric.za	(012) 529 9151	Onderstepoort, Pretoria
Animal Health	Diagnostic services	Livestock/Wildlife	* Research on helminths of wildlife; * Helminth diagnostics; * Curation of National Collection of Animal Helminths	Dr Kerstin Junker	junkerk@arc.agric.za	(012) 529 9215	Onderstepoort, Pretoria
Animal Health	Diagnostic services	Livestock/Wildlife	* Transboundary Animal Diseases Diagnostics * Transboundary Animal Diseases Research - Foot and mouth Disease - African swine fever - Peste des petits ruminants)	Dr Livio Heath	HeathL@arc.agric.za	(012) 529 9501	Onderstepoort, Pretoria
Animal Health	Diagnostic services	Vaccines	* Collection and storage of Specimen * Biobanking and Tissue culture services * Training * Laboratory Management Systems & PACS custodian	Mrs Puseletso Johnston	ManyapyeP@arc.agric.za	(012) 529 9145	Onderstepoort, Pretoria
Animal Health	Diagnostic services	Vaccines	* Epidemiology & Heartwater diagnostics * Cell cultures * Amblyomma hebraeum tick breeding and infection with heartwater	Dr Helena C Steyn	steynh@arc.agric.za	(012) 5299 205	Onderstepoort, Pretoria
Animal Health	Diagnostic services	Vaccines	* Foot-and-Mouth Disease: - Epitope mapping for improved vaccine design - Molecular development of improved diagnostic tests - Development and validation of FMD diagnostic tests for small ruminants	Dr Pamela Opperman	storeyp@arc.agric.za	(012) 529 9594/84	Onderstepoort, Pretoria
Animal Health	Molecular biology	Vaccines	* Veterinary vaccine and diagnostic development: - Cloning, PCR, Nucleic acid extraction & Cell culture techniques - Virus isolation and purification - Vaccine development for Lumpy skin disease - Recombinant vaccine generation - Internal quality auditing of SANAS accredited ARC-OVR diagnostic laboratories.	Mr Pravesh Kara	karap@arc.agric.za	(012) 529 9408	Onderstepoort, Pretoria
Animal Health	Molecular biology	Vaccines	* Veterinary vaccine and diagnostic development: - Cloning, cell culture, protein expression & animal trials.	Dr Arshad Mather	MatherA@arc.agric.za	(012) 529 9236 or 072 246 6799	Onderstepoort, Pretoria
Animal Health	Serology/Immunochemistry	Vaccines	* Recombinant antibodies * Vaccine research support and monitoring * Immuno-diagnostic development	Mr Wouter van Wyngaardt, Dr Jeanni Fehrsen or Ms Susan Wemmer	vanwyngaardtw@arc.agric.za, fehrsensj@arc.agric.za or wemmers@arc.agric.za	(012) 529 9224/9257	Onderstepoort, Pretoria
Animal Health	Epidemiology	Vaccines	* Vaccine Production, Epidemiology & Immunology * Vector Biology and ecology (Argasid Ticks)	Dr Livio Heath	HeathL@arc.agric.za	(012) 529 9501	Onderstepoort, Pretoria
Animal Health	Diagnostic services	Vaccines	* Vecteded livestock vaccine development * Diagnostic test development support * Epidemiology of livestock diseases * OIE Reference Laboratory expert for lumpy skin disease	Dr David Wallace	Wallaced@arc.agric.za	(012) 529 9442	Onderstepoort, Pretoria
Animal Health	Diagnostic services	Vaccines	* Bacterial- and Comparative genomics * Identification of vaccine candidates	Dr Junita Liebenberg	LiebenbergJ@arc.agric.za	(012) 529 9229	Onderstepoort, Pretoria
Animal Health	Cellular Immunology	Vaccines	* Experts in immune transcriptomics analyses and interpretation of immune responses induced in large animal models by vaccines or pathogen infection. * Immune assays: LPA; ELISPOT; Phenotypic analyses on flow cytometry * Vaccine design: Identification of immune epitopes; DNA vaccines; nano vaccines	Dr Alri Pretorius, Dr Nontobeko Thema, Ms Erika Faber & Dr Miranda van Kleef	Pretoriusal@arc.agric.za, Theman@arc.agric.za, FaberE@arc.agric.za or vankleefm@arc.agric.za	(012) 529 9214/9280 /9425/9385	Onderstepoort, Pretoria