

2.7 Highlights on Investments Progress

Title	Contact details	Outcomes/Outputs	Investment Opportunities
Companies			
Mycoroot (Pty) Ltd	j.dames@ru.ac.za 046 603 8443	A product that will contribute to plant health and disease resistance	Opportunities for expansion and marketing
The Aloe Ferox Company	paul@aloeferox.com 011 549 9411	A novel process for the extraction of Aloesin and Aloin from aloe bitters sap, and formulation into cosmetics	Investments for entry into the global market
Nguni Juice (Pty) Ltd	umviyo@yahoo.co.uk 011 938 7831	Production of the Nguni Juice for marketing and sales	Investment for new product development and offering
Everpix		Production of Marula oil from the Marula nuts	Business expansion
Inqaba Biotech (Pty) Ltd	Oliver.preisig@inqababiotec.co.za 012 343 5829	Genomic services provider	Company growth and expansion
iThemba Pharmaceuticals (Pty) Ltd	cedlin@iThembapharma.com 011 605 2635	Therapeutics for the treatment of HIV and TB, and other diseases endemic to Africa	Investment for technology development and contract manufacturing
ZA Biotech (Pty) Ltd (previously Mbuyu Biotech Pty Ltd)	bobgordon@zabiotech.com 012 460 1177	Patented technologies for enzyme immobilization	New investment for enzymes immobilization technology development
Verified Technologies (Pty) Ltd	ceo@verifiedtechnologies.com 011 726 1592	Development, manufacture and sale of a low-cost and simple test to determine whether meat has been properly thermally processed and is safe for export	New investment in international need for process control technology

Projects	Contact details	Outcomes/Outputs	Investment Opportunities
Reduction of Sulphate in Acid Mine Drainage	jmulopo@csir.co.za 012 841 2278	Technology for treatment of acid mine drainage	Pilot construction, technology demonstration and securing contracts
Microbial Enzymes for Rooibos Processing	doyleandasso@mweb.co.za 011 726 1592	Two patents filed for an enzyme mix or cocktail to enhance the maceration of Rooibos plant material without a significant loss in flavour or a decline in antioxidant levels	The technology currently available for licensing
The Rhodes BioSURE Process	p.rose@ru.ac.za 046 622 2656	Technology package for mine wastewater treatment	The technology licensed exclusively to ERWAT to integrate mine, domestic and industrial wastes treatment
Diagnostic Test Kit for Tick-borne Pathogens	Koos.coetzee@up.ac.za 012 529 8269	Real time-PCR assay established for application in the diagnosis of tick-borne pathogens in animals	Licensing and sales opportunities
Zinc Bioleaching	petrussvs@mintek.co.za 011 709 4205	Patent has been filed for the Zinc Bioleaching	IP Licensing
Aloe Ferox	paul@aloeferoxco.com 011 549 9411	Extracting the Aloe Ferox bitter sap for Aloe Ferox	Selling product developed (Laxatives and skin lightener)
Aquaculture	rlallo@csir.co.za 011 605 2211	Developed a technology package for the production of probiotics for the aquaculture industry	Licensed to BaoBio, and producing BaoBIO Koi, BaoBIO Clear, AquaBoost and BaoBIO
Embryo Transfer	lucky@arc.agric.za 012 672 9378	Embryo Biotechnologies that will assist in the establishment of Superior Nguni Breed for rural and emerging farmers	Investment in technology transfer to emerging farmers on a national scale
Anti-Cancer drug discovery	Connie.medlen@up.ac.za 012 319 2622	Drug candidates with possible Anti-Cancer leads	Technology development
Aptamer	mkhathi@csir.co.za 012 841 4770	Development of a simple, rapid and reliable aptamer-based TB diagnostic prototype kit	Investment in development of TB diagnostic product which is simple, rapid, sensitive, specific and inexpensive.
Indigenous Fungi	zchipeta@csir.co.za 012 841 3843	Comprehensive database of collection of fungi at CSIR will be generated, in terms of physiological and metabolical properties	Yeast and fungi with unique characteristics may be identified that may have potential application in the biotech industry

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Currently Funded Platforms			
Microarray Platform	Dave.burger@fabi.up.ac.za 012 420 4634	Human capacity development in Microarray technology	Human Capacity Development
Metagenomics Platform	vHeerdE.SCI@ufs.ac.za 051 401 2472	Bioprospecting for novel bio-material from extreme environments	Funding opportunities for the establishment of a services business, a commercially-exploitable metagenome library, and an environmental biotechnology company
Metabolomics Platform	Carools.reinecke@nwu.ac.za 018 299 4197	Diagnostic service for metabolic disorders in infants	Expansion of the platform to other therapeutic areas such as HIV, and the development of a national diagnostics services offering
Wits Drug Delivery Platform	Vines.pillay@wits.ac.za 011 717 2274	Novel polymeric rate-modulated drug delivery products	The opportunity to license the patents or set up a spin-off company to commercialize the technologies
Novel Delivery Systems for Animal Vaccines Platform	Henk.husimans@up.ac.za 012 346 7814	Improved animal vaccine for Blue-Tongue, African Horse Sickness and Foot & Mouth disease	Establishing of a start-up company for the animal vaccine (African Horse sickness and Foot & Mouth disease)
Bioprospecting Platform	Pascal.bessong@univen.ac.za 015 962 8301	Bioprospecting for naturally-derived new chemical entities for applications in therapeutic areas such as HIV/AIDS and other disease treatment	Technology development and the development of novel herbal remedies
Protein Production Platform	nmoleleki@csir.co.za 012 841 3981	Yeast expression platform to develop <i>Y. lipolytica</i> as an expression system that can be used for the commercial production of therapeutic peptides and proteins	Production of human therapeutic proteins, services and human capital development

