

UNIVERSITY OF NAIROBI
OFFICE OF THE DEPUTY VICE-CHANCELLOR
(RESEARCH, PRODUCTION AND EXTENSION)

Current Research Projects - 2012

Project Title	Principal Investigator	Dept	Other Investigators	Donor/Source of Funding	Start Date	End Date
1. Urgent Verses Post-stabilization ART in HIV-1 Infected Children with Severe Co-infection (Subcontract)	-	Paediatrics and Child Health		-	-	-
2. Applying Isotope Techniques in infant and Young Child Nutrition Interventions in AFRA Member States	-	Paediatrics and Child Health		IAEA	-	-
3. A Phase 3 Open Label, Randomized, Comparative Study to Evaluate Azithromycin plus Chloroquine and Sulfadoxine plus pyrimethamine combination for intermittent preventive treatment of falciparum malaria infection in pregnant women in Africa	Dr. Joshua Kimani			Pfizer Inc. USA	-	-
4. An open label, non-comparative study to evaluate parasitological clearance rates and pharmacokinetics of azithromycin and chloroquine in	Dr. Joshua Kimani	UNITID		Pfizer Inc – USA		

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asymptomatic pregnant women with plasmodium falciparum parasitemia in Sub-Saharan Africa						
5. Alleviating Childhood malnutrition in Developing Countries Through Improved Utilization and Processing of Traditional Foods	Prof. Benson Estambale	UNITID		DANIDA		
6. Support for the Implementation of the Masters in Pharmacy (Pharmacoepidemiology and Pharmacovigilance Postgraduate Programme)	Thematic Unit of Pharmacology, Dept of Pharmacology and Pharmacognosy	School of Pharmacy		USAID Strengthening Pharmaceutical Systems (SPS) Management Science for Health Programme (MSH)		
7. Chronic Poverty Research Centre – Kenya	Prof. Ngethe	IDS		Development Fund International Donor	Oct 2005	Oct 2010
8. Poverty Information and Communication Technology	Prof. Timothy Waema	SCI		International Development Research Centre	2006	2009
9. Long Term Pediatric HAART Efficacy	-	Paediatrics and Child Health		-	Aug 2006	May 2012
10. Evaluation of Performance of Small Scale Water Retention Structures in Kitui District	Dr. A. K. Inima			Agricultural Sector Support Programme, Ministry of Agriculture	2007	2009

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11. Kenya Free of AIDS (KeFA)	Prof. Martina Morris (Uni of Washington)	Centre for HIV Prevention and Research (CHIVPR)	Prof. Elizabeth Ngugi Dr. Kawango Agot Dr. Grace John-Stewart Dr. Irene Inwani	National Institute of Health (Through University of Washington)	Aug 2007	July 2012
12. Immunology-characterization of HIV Antibody Responses in Chronically Infected Women	Dr. Julie Overbaugh	UNITID		National Institute of Health (NIH)	April 2007	March 2012
13. Suguta Valley Project – Palaeoclimatology and palaeolimnology of the Suguta Valley.	Dr. Dan Olago	Chemistry	Dr. Martin Trauth (Potsdam University)	Potsdam university, UoN Deans Committee Research Grant	Jan 2007	Dec 2012
14. ACET – Study on Urban Transport Systems	Prof. Winnie Mitullah	IDS		Volvo Foundation	Dec 2008	Dec 2012
15. Political Participation and the State of Democracy in Kenya	Prof. Kanyinga	IDS		FOSI	Jan 2008	Jan 2009
16. The Financial and the Legal Sector Technical Assistance Programme (FLASTAP)	Prof. James O. Odek	School of Law		World bank DFID FLSTAP	2008	March 2013
17. Reproductive Health Decisions and HIV Infection Risk	Prof. Ann Kurth	UNITID	Dr. James N. Kiarie	National Institute of Health (NIH)	Sept 2008	June 2013
18. Training for HIV Program Managers in Kenya	Dr. James Kiarie	UNITID		US Government – President’s Emergency Plan for AIDS Relief (PEPFAR) through CDC)	Sept 2008	Sept 2013

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19. Novel Staple Food-based Strategies to Improve Micro-nutrient Status for Better Health and Development in Sub-Saharan Africa (INSTAPA)	Dr. Alice Mwangi	Food Science, Nutrition and Technology	Prof. W. Kogi-Makau Ms Jane Njenga		June 2008	May 2013
20. Amaranth grain production and value addition for improved livelihoods in the lake Victoria Basin	Dr. D. Nakinbugwe	Plant Science and Crop Protection	Dr. R. Nyankanga, Dr. J. mugisha, Mrs. D. Madinde, Ms. W. Nyamota	VicRes	2008	2012
21. Improving Delivery of Social Service During Transition – Fragile State	Prof. Rosemary Atieno	IDS		Africa Development Bank	2009	2010
22. Gender and Decentralization in Africa	Prof. Winnie Mitullah	IDS	Prof. Kanyinga	International Council of the Red Cross	March 2009	2012
23. Media Empowerment and Democracy in East Africa (MEDleA)	Prof. Winnie Mitullah	IDS		Danish International Development Agency (DANIDA)	2009	2012
24. Gender Culture and Women in the Lake Victoria Fish Trade	Dr. Kamau	IDS		Inter University Council of East Africa (IUCEA)	June 2009	July 2011
25. Partnership for Advanced Clinical Education (PACE)	Dr. Robert Redfield (Uni. Of Maryland)	Clinical Medicine & Therapeutics	Dr. Godfrey Lule (UoN)	Centre for Disease Control (CDC)	Sept 2009	Sept 2014
26. Improving tropical legume productivity for marginal environments in sub-Saharan Africa	Prof. P.M. Kimani	Plant Science and Crop Protection		GCP/CIAT	2009	2012

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27. Strengthening capacity for marker assisted breeding for common bean in Eastern Africa	Prof. P.M. Kimani	Plant Science and Crop Protection	Dr. E. Ngugi, Dr. Narla	Kirkhouse Trust, UK	2009	2012
28. Building human and institutional capacity for enhancing the conservation and use of neglected and underutilized species of crops in West Africa, and Eastern and Southern Africa	Dr. K. Njoroge	Plant Science and Crop Protection	Dr. Ekaya, Dr. Per Rudebjer, Dr. Nighisty Ghezze, Dr. Sebastian Chakeredza	IFS	2009	2013
29. Strengthening National Facilities for Maintenance and Repair of Medical and Scientific Instruments (AFRA IV-14)	Mr. Anzelmus O. Matini	Institute of Nuclear Science	-	Africa Regional Agreement (AFRA)	2010	2011 (to be renewed)
30. A Zeolite Hydrogen Nanopom for Contraception	Dr. Benson Wamalwa	Chemistry		Bill and Melinda Gates Foundation	2010	April 2011
31. POPS Monitoring and Capacity Building in Eastern and Southern Africa	Prof. Shem Wandiga	Chemistry/IC CA		UNEP-GEF	Dec 2010	March 2012
32. Distribution of Organochlorines in Selected Aquatic Matrices from the Upper Tana River in Kenya	Ms. Joyce N. Kithure	Chemistry		IFS	Oct 2010	Oct 2012
33. Development of Biosensor for Soft Heavy Metal using Oxathiocrown Ester Macrocycles	Ms. Ruth Odhiambo	Chemistry		NCST	Oct 2010	Oct 2013

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34. Adjusting to Chinese Ascendance in the Clothing Industry	Prof. Dorothy McCormick	IDS		International Development Research Centre	2010	March 2012
35. Investigating the Role of FBOs in Male Circumcision, HIV/AIDS	Dr. Kamau	IDS		National AIDS Council	2010	2011
36. Elections and Management of Diversity in Africa	Prof. Kanyinga	IDS		UNDP	Dec 2010	March 2011
37. Collaborative Relation – Establish the African Leadership Centre	Prof. Jama	IDS		University of London	June 2010	June 2015
38. Partnership for Advanced Care and Treatment - Centers of Excellence (PACT-COE)	Prof. Zipporah Ngumi	Clinical Medicine & Therapeutics		US Government – President’s Emergency Plan for AIDS Relief (PEPFAR) through CDC	Sept 2010	Sept 2014
39. Partnership for Advanced Care and Treatment – Kenya	Dr. Antony Amoroso (university of Maryland, Baltimore)	Clinical Medicine & Therapeutics	Dr. Godfrey Lule (UoN)	US Government – President’s Emergency Plan for AIDS Relief (PEPFAR) through CDC)	July 2010	June 2015
40. Programmatic – Strengthening Medical Education for Improved Health Outcomes in Kenya (PRIME-K)	Dr. James Kiarie	Obstetrics and Gynaecology		National Institute of Health (NIH)	Sept 2010	Aug 2015
41. University of Nairobi MARPS Program	Prof. Elizabeth Ngugi	Obstetrics and Gynaecology		Centre for Disease Control (CDC)	Sept 2010	Sept 2015
42. Linked – Strengthening Maternal, Newborn and Child Health Research	-	Paediatrics and Child Health		-	Sept 2010	Aug 2015

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Training in Kenya						
43. HIV-1 and Protective Immunity Against Common Childhood Pathogen	-	Paediatrics and Child Health		-	July 2010	June 2015
44. Total War Against AIDS (TOWA): HIV situation analysis at workplace	Dr. Julius Oyugi	UNITID		National AIDS Control Council (NACC) of Kenya	Aug 2010	
45. HIV Prevention and Care Services for MARPS in Nairobi	Dr. Lawrence Gelmon	UNITID		PEPFAR through CDC	Sept 2010	Sept 2015
46. Harnessing mobile phone usage for HIV and horizontal health systems improvement: PMTCT	Dr. Lisa Avery	UNITID	Dr. Joshua Kimani	IDRC, Canada	July 2010	July 2013
47. University of Nairobi International Extramural Associates Research Development Award (IEARDA)	Dr. James Machoki M'Imunya	UNITID		National Institute of Health (NIH)	May 2010	Dec 2014
48. Treatment of Childhood Undernutrition: Development of an access to improved food (TREATFOOD)	Prof. Benson Estambale	UNITID		DANIDA	Jan 2010	Dec 2014
49. Hepatic Cytochrome P450 Polymorphisms, Nevirapine Plasma Concentrations and Clinical Outcomes of Nevirapine-based Antiretroviral Therapy in	Prof. R. Scott McClelland (University of Washington	School of Pharmacy		Royal Research Fund (RRF), University of Washington	2010	2012

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HIV-1 Infected Kenyan Women						
50. Establishment of seed Enterprise Management Institute Project, to facilitate capacity building and support quality seed production for increased food security and poverty alleviation	Prof. Agnes Mwangombe	Plant Science and Crop Protection	Dr. K. Njoroge Prof. F. Olubayo	Alliance for a Green Revolution in Africa (AGRA)	2010	2013
51. Enhancing productivity of drybean in the face of climate variability through drought resilient varieties	Dr. George Cheminingwa	Plant Science and Crop Protection	Dr. M. Mburu, Jessica Ndubi, Prof. P.M. Kimani, Prof. J.H. Nderitu Mr. John Mwaniki	RUFORUM	2010	2012
52. Management of the African white rice stem borer, maliarpha separatella ragonot (<i>Lepidoptera: pyralidae</i>) in Kenya	Mr Vincent Kega	Plant Science and Crop Protection	Prof. J.H. Nderitu Prof. F. Olubayo	NCST	2010	2012
53. Role of hormonal cross talk and signaling in the postharvest physiology of lisianthus cut flowers	Nicodemus Musembi	Plant Science and Crop Protection	Prof. K. Waithaka Dr. M. Hutchinson	NCST	2010	2013
54. Towards University of Nairobi Regional Centre of Excellence for distributed systems modeling	Prof. W. Okello-Odongo	SCI		UNESCO-HP Brain Gain Project	March 2010	Sept 2012

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55. Establishment of Institute for Climate Change and Adaptation	Prof. S. Wandiga	Chemistry/IC CA	Prof. Madara Ogot, Dr. M. Opondo, Dr. G. Ouma, Prof. J. Aluoch, Dr. D. Olago	Open Society Foundation	2011	2015
56. TRECCAfrica Partnership	Prof. S. Wandiga	Chemistry/IC CA	Partners: Stellenbosch, Uni of Dar Es Salaam, Uni. Of Ghana, Makele Uni, Uni of Nigeria Nssuka	European Union Intra-ACP African Union	Oct 2011	Nov 2014
57. Use of Nuclear Science in Kenyan Agriculture and Environmental Research: A strategy for research capacity and manpower development	Dr. Michael Gatari	Institute of Nuclear Science	-	International Science Programme, Uppsala University, Sweden	2011	2012 (reviewer every years for 3 years)
58. African Materials, Science and Engineering Network (AMSEN)	Prof. G. O. Rading			Centre of Excellence n Strong Materials, university of Witwatersrand, South Africa	2011	2013
59. Water Harvesting Environment, Health and Nutrition Sustainability – Kitui West	Dr. Ayub Gitau	EBE	-	National Council of Science & Technology (NCST)	2011	2014
60. Sustainable Buildings Policies in Developing Countries (SPOD)	Dr. S. Obiero			United National Environment Programme (UNEP)	2011	2013

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61. A comparative study on toxicity, protective and cell defence induction capacity of flavones from Kenyan plants and lipophilic semi-synthetic derivatives	Prof. Jacob Midiwo	Chemistry		OPCW	June 2011	June 2013
62. Relationship Between Air and Blood Lead levels in Welding, Paint and Lead Acid battery Plants: Occupational Health Case	Ms. Farida Hussein Were	Chemistry		NCST	2011	2014
63. Natural Products Chemistry Research Towards management of Tropical Diseases	Prof. Jacob Midiwo	Chemistry		ISP	Nov 2011	Nov 2014
64. Fabrication of Silver Based Nanobiosensor Chips for Anti-Tuberculosis Drugs Monitoring	Dr. Immaculate Michira	Chemistry		NCST-South Africa	July 2011	July 2014
65. Documentation and Evaluation of the Efficacy of Institutional and Household Energy Stores for improved livelihood and Poverty Reduction of Kenyan Communities	Dr. J.P. Kithinji	Chemistry		Ministry of Energy/UNDP	Sept 2011	March 2012
66. Synthesis of Novel Nanostructured biosensors Using Polyaniline and Derivatized Polyaniline for Analysis and Characterization of	Dr. Damaris Mbui	Chemistry		NCST	Nov 2011	Nov 2014

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Bisphenol-A						
67. Rethinking Social Movements	Prof. Ngethe	IDS		Ford Foundation	Jan 2011	Jan 2012
68. Entrepreneurial Leadership and Social capital on Resource	Prof. Dorothy McCormick	IDS		SNS Foundation	2011	2016
69. Afrobarometer R5 (Supervision and Implementation of Surveys)	Prof. Winnie Mitullah	IDS			May 2011	Dec 2012
70. Healthy Futures	Prof. Winnie Mitullah	IDS		European Community	April 2011	Continues
71. Central Province Response Integration, Strengthening and Sustainability Project (CRISSP)	Dr. Jared Mecha	Clinical Medicine & Therapeutics		US Government – President’s Emergency Plan for AIDS Relief (PEPFAR) through CDC	Sept 2011	Sept 2016
72. Strengthening of National Ethics Research Committee, Networking and Capacity Building in Kenya	Prof. Kirana Bhatt	Clinical Medicine & Therapeutics		European Development Clinical Trials Programme (EDCTP)	April 2011	April 2012
73. PVI-A Double Blind Randomized Trial of Monthly Treatment with Tropical Metronidazole and Miconazole Co-formulated Virginal Suppositories Vs Placebo	Dr. Scott McClelland	UNITID		DMID	July 2011	June 2012

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for Preventing Virginal Infections in HIV Negative Women						
74. A double blind randomized trial of monthly treatment with topical metronidazole and miconazole co-formulated vaginal suppositories Vs placebo for preventing vaginal infections	Dr. Joshua Kimani	UNITID		National Institute of Health (NIH)	March 2011	March 2013
75. Prevalence of Low Birth Weights and Associated Factors in Narok District Hospital	Paul M. Migwi (MSc Student)	Food Science, Nutrition and Technology	Dr. A.M. Mwangi Prof. S.K. Mbugua	European Union through Edulink – HENNA Project NCST	Aug 2011	Oct 2012
76. Transform NutritionL Tracking the neglected crisis of under-nutrition	Pro. W. Kogi-Makau	Food Science, Nutrition and Technology		DFID	2011	2017
77. Rain Water Harvesting for Enhanced Water, Food and Nutritional Security: The case of Kitui West Constituency, Kenya	Pro. Wambui Kogi-Makau	Food Science, Nutrition and Technology	Dr. Joseph Mugachia Chege Dr. Ayub Gitau Dr. R. Mose Ocharo	NCST	2011	2014
78. The Role of Indigenous Leafy Vegetables in Immune Boosting in a Laboratory Animal	Dr. Alice Mwangi	Food Science, Nutrition and Technology	Prof. Wambui Kogi-Makau Prof. E.K. Kangethe	UoN Deans Committee	Nov 2011	2012
79. Risk Factors for Human Colorectal Cancer in Kenya	Mr. Dasel M.W. Kaindi	Food Science, Nutrition and Technology	Prof. Wambui Kogi-Makau Prof. Godfrey Lule	UoN Deans Committee DAAD	2011	2012

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			Dr. Alice Mwangi			
80. Level of Acrylamide in Commercial Chips and Crisps and hw it is Influenced by Maturity, Storage and Processing Conditions in Kenyan Potatoes	Dr. George Abong'	Food Science, Nutrition and Technology	Prof. M.W. Okoth Prof. J.K. Imungi	UoN Deans Committee	2011	2012
81. Production of Oil Rich in Omega-3 Fatty Acids from Nile Perch Processing Waste	Mr. Joseph Odhiambo Aloo	Food Science, Nutrition and Technology	Prof. JK. Imungi Prof. W.M. Okoth	NCST	2011	2012
82. Enhancing Cassava Productivity, Value addition and market access for food and feed and nutritional security: Empowering women farmers at the Kenyan coast	Prof. Agnes Mwangombe	Plant Science and Crop Protection	Dr. R. Mwinga Prof. N. Karanja Prof. S.K. Mbugua Dr. T. Munga Prof. F. Olubayo Dr. K.Ngugi	NCST	2011	2013
83. Enhancing production, value addition and marketing of indigenous vegetables (cowpeas, spider plant, nightshades, amaranth, pumpkin), French beans and mushrooms among smallholder farmers in Kenya	Prof. Agnes Mwangombe	Plant Science and Crop Protection	Dr. M. Hutchinson Prof. J. Nderitu	Kenya Agricultural Productivity and Agribusiness Programme (KAPAP)	2011	2014

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84. Enhancing postharvest shelf life of passion fruits grown under different agro-ecological conditions through application of an ethylene inhibitor, 1-methylcyclopropene (1-MCP)	Dr. J. Ambuko	Plant Science and Crop Protection	Dr. W. Owino	IFS	2011	2012
85. Improving incomes for smallholder farmers and other value chain actors through enhanced productivity, post harvest handling technologies, value addition and marketing of mango and passion fruit products	Dr. J. Ambuko	Plant Science and Crop Protection	Mr. J. Njuguna Dr. D. Mwangi P. Mbogo L. Wekesa F.M. Kiilu Dr. W. Owino P. Mwangi	KAPAP	2011	2014
86. Multipurpose legumes and management strategies for reinvigorating and maintaining the health and productivity of smallholder mixed farming systems	Dr. J. Muthomi	Plant Science and Crop Protection	Dr. Ojiem Prof. J.H. Nderitu Dr. S. Mwonga	McKnight Foundation	2011	2013
87. Conserve and screen premium value indigenous plant biodiversity and products on smallholder farming systems of Lake Basin in East Africa	Dr. Namutebi	Plant Science and Crop Protection	Prof. L.S. Akundabweni	RUFORUM	2011	2013
88. Mechanisms for multiplication and distribution of disease free planting material for	Dora Kilalo	Plant Science and Crop Protection	Dr. M. Hutchinson, Dr. Kori Njuguna Dr. Esther	NCST	2011	2013

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improved passion fruit production			Kimani Mrs Lucy Njenga, Ms Lydia Njuguna			
89. Enhancing sorghum production, processing and marketing for improved small-holder incomes and livelihoods in Kenya	Dr. Erick Cheruiyot	Plant Science and Crop Protection	Dr. E. Ngugi Prof. G. Ouma Mr. M. Kaibui Dr. J. Mutisya, Dr. J. Mukwana, Dr. I Agina, Dr. J. Mutunga, Mr. L. Maina	KAPAP	2011	2013
90. Value added bean technologies for enhancing food security, nutrition, income, resilience to cope with climate change and variability challenges in Eastern Africa	Prof. P.M. Kimani	Plant Science and Crop Protection	Dr. D. Karanja	Bio-Innovate	2011	2013
91. Enhancing Kenya's food security in the face of climate change through improved potato productivity	Dr. R.Nyankanga	Plant Science and Crop Protection	Dr. Charles Lungaho Prof. S. Shibairo	NCST	2011	2014
92. Screening finger millet varieties for adaptation to drought prone ecological regions of Eastern Kenya as a strategy to combat food insecurity and climate change	Prof. S. Shibairo	Plant Science and Crop Protection	Dr. R. Emongor Dr.C.A. Oduori Dr. J. Ambuko Dr. R. Onwonga	NCST	2011	2013

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93. Contribution of <i>Cleome gynandra</i> (cat's whiskers) to food, nutrition and income for rural populations	Dr. Cecilia Onyango	Plant Science and Crop Protection	Dr. R. Narla Dr. Catherine Kunyanga	UoN Deans Committee	2011	2012
94. Occurrence and evaluation of maize germplasm to common rust disease in Kenya	Dr. W. Muiuru	Plant Science and Crop Protection		UoN Deans Committee	2011	2012
95. Abundance , genetic diversity and nodulation efficiency of cowpea in South Western Kenya soils	Jonah Ngeno	Plant Science and Crop Protection	Dr. G.N. Chiminingwa Prof. S. Shibairo	NCST	2011	2013
96. Enhancing productivity of maize-cowpea intercropping systems in coastal lowland Kenya through drought resilient varieties and improved water and nutrient management	James Ndiso	Plant Science and Crop Protection	Dr. G.N. Cheminingwa, Prof. F. Olubayo	NCST	2011	2013
97. Sustainable building policies in developing countries (SPOD)	Dr. S. Obiero	Built Environment		UNEP	2011	2013
98. The promises of fibre-optic broadband: A pipeline for economic development in Africa?	Prof. Tim Waema	SCI	Partners: Oxford Uni., National Uni. Of Rwanda	Economic and Social Research Council, UK	Oct 2011	April 2014
99. Assessing the potential impact of climate change and deforestation on surface water yields from Mau forest catchment in	Mr. Stephen Kibe Rwigi	Meteorology	Partners: Kenya Met Dept, Dept of Resources Survey and Remote	UoN Deans Committee Research Grant	Nov 2011	Oct 2012

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Kenya			Sensing, KFS, Ministry of Water and Irrigation			
100. Applied laser physics	Dr. K. Kaduki	Physics	Partner: Lund University	International Science Program, Uppsala University	2011	2013
101. Strengthening of Inorganic Chemistry	Prof. S. Wandiga	Chemistry/IC CA		ISP-SIDA, SAREC	2012	2014
102. Strengthening Education and Training Infrastructure and Building Competence in Radiation Safety	Dr. Michael Gatari	Institute of Nuclear Science	-	International Atomic Energy Agency (IAEA), Africa Regional Agreement (AFRA)	2012	
103. Establishing NDT Laboratory at the Institute of Nuclear Science & technology for Training Research and Service Provision in the Field of NDT Applications	Dr. Michael Mangala	Institute of Nuclear Science	-	International Atomic Energy Agency (IAEA)	2012	2014
104. Establishment of a Teaching, Training and Research Centre of Non-Destructive Testing of Materials at the Institute of Nuclear Science	Dr. Siphila Mumenya			International Atomic Energy Agency (IAEA)	2012	2015
105. Determination of Effectiveness of Super Absorbent Polymers (SAPS) in Drying Maize and Prevention of Aflatoxin Contamination	Dr. D. O. Mbuge			Council of Science & Technology (NCST)	2012	2012

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106. Rain Water Harvesting	Dr. Christian Thine Omuto			International Foundation of Science (IFS)	2012	2012
107. Climate Change Impacts on Ecosystem Services and Food Security in Eastern Africa (CHIESA) – Increasing knowledge building capacity and developing adaptation strategies	Prof. P. Pellika (university of Helsinki)		Dr. Faith Karanja (UoN)	Ministry of Foreign Affairs, Finland	2012	2015
108. Successful African Firms	Prof. Dorothy McCormick	IDS		Central Bureau of Standard	Jan 2012	Aug 2016
109. UoN Ophthalmology Training	Prof. Dunera Ilako	Ophthalmology		Sight Savers	Jan 2012	June 2012
110. Implementing Priority Areas Under Global Fund Round 10 Malaria Component	Dr. Teresia Kinyari Mwendwa	Medical Physiology		Global Fund	2012	2017
111. The influence of polymorphisms of drug metabolizing enzymes on Nevirapine plasma levels and therapeutic implications in Kenyan HIV/AIDS patients	Dr. Faith Apolot Okalebo	School of Pharmacy		MEPI/PRIME-K	May 2012	May 2013
112. Public Health Hazards and Associated Risk Factors along the Camel Milk Production and Marketing Chain	Mr. Peter Lamuka	Food Science, Nutrition and Technology	Prof. S.M. Arimi Prof. Ombui	NCST	Jan 2012	Jan 2015

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113. Improving the Iron Status of Young Children in the Lake Victoria Basin Region Using Porridge Flour Supplemented with Bovine Blood	Ms. Angela Andago	Food Science, Nutrition and Technology	Pro. J.K. Imungi Dr. A Mwangi	NCST UoN Deans Committee Research Grant	Jan 2012	Jan 2015
114. Passion fruit diagnostics and identification of passion fruit viruses	Dora Kilalo	Plant Science and Crop Protection		Australian Challenge Fund	May 2012	Oct 2012
115. Development of integrated management methods for banana weevil in Central Province	Dr. Shelminth Waruguru	Plant Science and Crop Protection	Prof. J. Kimenju, Dora Kilalo	NCST	2012	2014
116. Barcodes for Improved Child Vaccination and Family Nutrition	Dr. Benson Wamalwa	Chemistry		Bill and Melinda Gates Foundation – Grand Challenges Canada	July 2012	July 2013
117. Application on ICTs for water management under changing climatic conditions: Research Awards Program Project	Prof. Tim Waema	SCI	Dr. Laban MacOpiyo	IDRC	May 2012	May 2015
118. Research development of solar cells based on dye-sensitized nanocrystalline TiO ₂ semiconductor thin films	Prof. B.O Aduda	Physics	Partner: Uppsala University	International Science Program, Uppsala University	2012	2014