

BIOGRAPHICAL SKETCH

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NAME Davidson, Alan	POSITION TITLE Professor of Paediatrics		
eMail address: alan.davidson@uct.ac.za			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR	FIELD OF STUDY
University of Cape Town	MBChB	1992	Medicine
College of Medicine of South Africa	Dip Child Health	1995	Paediatrics
College of Medicine of South Africa	Paediatric Fellowship	2001	Paediatrics
College of Medicine of South Africa	Cert MedOnc (Paed)	2004	Paediatric Oncology
University of Cape Town	MPhil	2007	Paediatric Oncology

A. Personal Statement

I graduated from the University of Cape Town in 1992 and specialised in paediatrics and then paediatric oncology. I am currently the head of the Paediatric Haematology-Oncology Service at the Red Cross War Memorial Children's Hospital (RCWMCH), which is recognised as one of the leading centres in sub-Saharan Africa. The service also treats the full spectrum of blood disorders, acts as a regional haemophilia centre and advises a large network of shared carers across sub-Saharan Africa with the help of a cure4kids telemedicine platform. My clinical and research interests include paediatric brain tumours, B-cell malignancy and other HIV-related cancers in children, genetic syndromes predisposing to childhood cancer, stem cell transplantation for primary immunodeficiency and adapted therapy regimens for low and middle income settings. I co-chair South Africa's annual Paediatric Brain Tumour Workshop. I am a past chair of the South African Children's Cancer Study Group, and served as the chair of the local organising committee for the International Society of Paediatric Oncology's (SIOP) annual meeting in Cape Town 2015.

I have served as a co-chair of the Adapted Treatment Regimen Working Group of SIOP's Paediatric Oncology in Developing Countries (PODC) committee which commissions and guides the publication of treatment guidelines for resource limited settings. I now co-chair the PODC, which is the leading voice for paediatric cancer care in low and middle countries. I also serve as the vice-president of the executive of the Society for NeuroOncology's Sub-Saharan Africa branch.

As a Professor in the Department of Paediatrics and Child Health at the University of Cape Town, I serve as the director of postgraduate education. I have been a member of the paediatric council of the Colleges of Medicine of South Africa since 2008 and its president since 2017. I am a member of the board of the Children's Hospital Trust, as well as the RCWMCH's Facilities Board. I am also on the board of RedX Radio. I was a member of the governmental compulsory cancer registration task team and served on the steering committee of the South African Stem Cell Transplantation Society. I serve on the Western Cape Provincial Cancer Control Plan committee, and the panels of the South African Oncology Consortium.

I can reflect on a long personal history of leadership and governance within both organisations and national and international meetings of professional societies, all of it in the arenas of paediatrics and paediatric oncology. I would argue that this leaves me well-placed to offer that skill-set to SIOP.

B. Positions and Honors

Positions and Employment

Red Cross War Memorial Children's Hospital and the University of Cape Town

2001-2004 Chief Registrar: Paediatrics

2004-2010 Senior Lecturer: Paediatric Haematology-Oncology

2007-2011 Professional Master's Committee

2008 to date Head: Paediatric Haematology-Oncology

2009 to date Director of Postgraduate Education: Department of Paediatrics and Child Health

2009 to date Department of Paediatrics and Child Health Executive Committee and Research Committee

2015- to date Department of Paediatrics and Child Health Transformation Advisory Group 2015-date

2011-2017 Associate Professor, University of Cape Town

2018 to date Professor, University of Cape Town

Specific Clinical Advances include:

Stem Cell Transplantation – We have greatly increased the paediatric involvement in stem cell transplantation for which we are now a major national and international resource.

Brain Tumours – Our team (which includes Professor Jeannette Parkes from radiation oncology and Professor Tony Figaji from paediatric neurosurgery) has expanded the multidisciplinary service for brain tumours to such a degree that we are now regarded as a national and regional centre of excellence

Retinoblastoma – Together with ophthalmology and radiation oncology, we have developed a more integrated approach to the evaluation and management of retinoblastoma, and we have been able to roll out and deliver cutting edge treatments such as brachytherapy and intra-arterial melphalan.

The introduction of Transcranial Doppler assessment for patients with Sickle Cell Anaemia was made possible through a private public initiative with Novartis. This has greatly increased our ability to predict and avoid cerebrovascular issues in sickle cell anaemia patients.

Novel Approaches to Clinical Problems – Introduction of Asparaginase desensitisation with Professor Michael Levin to allow children with ALL who develop allergy to continue to receive this vital drug in the absence of access to Erwinase.

Other Experience and Professional Memberships

2001 to date: South African Children's Cancer Study Group (SACCSG)

2006-2010: Chair

As chair of this professional body from 2006 to 2010, I supervised the launching of the website, updated the exam regulations for the certificate exam in paediatric oncology, maintained and developed relations with the childhood cancer charity CHOC and worked actively to support the activities of the national children's cancer registry. I engaged with the Medicines Control Council to try and secure easier access to section 21 drugs and spearheaded the drive to adopt common protocols for childhood malignancy nationally. I was nominated by the group to chair the Local Organising Committee of the annual meeting of the International Paediatric Oncology Society (SIOP) in Cape Town in 2015.

2006 to date: South African Bone Marrow Registry (SABMR)

2007 to date: South African Stem Cell Transplantation Society (SASCeTS)

2007-2009: Steering Committee member

2007 to date: International Society of Paediatric Oncology (SIOP)

2010 to date: Paediatric Oncology in Developing Countries Committee

2013-2016: Co-chair Adapted Treatment Guidelines Group of the SIOP PODC

Having co-authored a number of SIOP PODCs practical recommendations for the management of children in low and middle income countries, I became the co-chair of the Adapted Treatment Regimens working group in 2013. In my capacity as co-chair from 2013 to 2016, I supervised the production of a Framework Document, as well as guidelines for the management of Standard Risk Medulloblastoma, Low Grade Gliomas and the use of

Radiotherapy in children. We are also working on recommendations for Acute Myeloid Leukaemia, Hepatoblastoma, Hodgkin Disease, Extracranial Germ Cell Tumour and Rhabdomyosarcoma.

2016 to date: Co-chair PODC

The PODC consists of 286 members from over 50 countries. They are physicians, nurses and allied health practitioners from low and middle income countries, as well as interested members from high income countries who want to contribute to the care of children with cancer in underserved regions. The focus of the PODC is to give advice, guidance and leadership on matters that impact on these children, and this is achieved through active working groups in the following areas: Abandonment of Treatment, Adapted Therapy Regimen, Palliative Care, Supportive Care, Nutrition, Nursing, Patient, Family and Stakeholder Engagement, Twinning, Collaboration and Support, Education and Training, Essential Medicines, Hospital Detention, Psycho-social, Integrative Medicine. My co-chair and I track all their activities, co-ordinate online quarterly meetings to share information and then organise a PODC stream at the annual meeting of SIOP international.

2008 to date: Colleges of Medicine of South Africa

2008 to date: Member of the Paediatric Council

2017 to date: President of the Paediatric Council

2011 to date: Children's Hospital Trust

2011 to date: Trustee

2012 to date: Chair of the Project Advisory Committee

2017 to date: Member of the Exco

2013 to date: RCWMCH Facilities Board

2013 to date: Member of the FinComm (Exco)

2015 to date: Advisory Board (now board of trustees) of RedXRadio

2015 to date: Board member

2017 to date: Society for NeuroOncology Sub-Saharan Africa (SNOSSA)

Founder member and Vice President: 2017 to date

SNOSSA was established in London in October 2017 with the aim of improving outcomes and advocating for the interests of paediatric and adult

brain tumour patients in Central, South, East and West Africa.

Honors

I was invited to attend a course at the Vienna School of Clinical Research in 2002 entitled "Clinical Trials in Oncology." I passed the final exam with distinction and was awarded a scholarship to return for another course of my choice. I used the scholarship to return for a "Publication Workshop" in May 2005. I returned in May 2005 to participate in a "Publication Workshop" run by two executive editors of the Lancet, Sabine Kleinert and Charles Young.

I was named by the Cape Town International Convention Centre as a CTICC Ambassador.

Chairing or Organising Meetings, Conferences and Congresses

South African Children's Cancer Study Group – Annual Workshop and Congress, 2007 (organising chair and member of Scientific Committee)

South Africa Paediatric Brain Tumour Workshop, 2008 (organising chair)

6th South African Haematopoietic Stem Cell Transplantation Symposium, 2008

RCCH Rabbi CK Harris Memorial Foundation Paediatric Oncology Nursing Course, 2008

7th South African Haematopoietic Stem Cell Transplantation Symposium, 2009

UCT Paediatric Refresher Course, 2009 (organising chair)

South Africa Paediatric Brain Tumour Workshop, 2009 (organising chair)

RCCH Rabbi CK Harris Memorial Foundation Paediatric Oncology Nursing Course, 2010 (organising chair)

Novartis Paediatric CML Symposium, 2010 (organising chair)

South Africa Paediatric Brain Tumour Workshop, 2010 (organising chair)

UCT Paediatric Haematology-Oncology Shared Care Update 2011 (organising chair)
 SIOP Africa Cape Town, 2012 (member of Scientific Committee)
 South Africa Paediatric Brain Tumour Workshop, 2013 (organising chair)
 South Africa Paediatric Brain Tumour Workshop, 2014 (organising chair)
 SIOP Cape Town, 2015 (organising chair and member of Scientific Committee)
 ISPNO Liverpool, 2016 (member of Scientific Committee)
 SIOP Dublin, 2016 (PODC co-chair)
 South Africa Paediatric Brain Tumour Workshop, 2016 (organising chair)
 SIOP Africa Marrakech, 2017 (member of Scientific Committee)
 Novartis Haematology Symposium, 2017 (paediatric organising chair)
 SIOP Washington, 2017 (PODC co-chair)
 South Africa Paediatric Brain Tumour Workshop, 2017 (organising chair)
 Society of NeuroOncology Sub-Saharan Africa (SNOSSA) Abuja, 2018 (steering committee)
 SIOP Kyoto, 2018 (PODC co-chair)
 South Africa Paediatric Brain Tumour Workshop, 2018 (organising chair)

C. Peer-reviewed Publications

Millar AJ, Davidson A, Rode H, et al. Bilateral Wilms Tumours – A Single Centre Experience with 19 Cases. *Journal of Pediatric Surgery* 2005;40:1289.

Davidson A, Hartley PS, Berman P, et al. Erythrocytosis and Hypertension associated with a Wilms Tumour. *Journal of Pediatric Hematology/Oncology* 2005;27:502.

Davidson A, Hartley PS, Berman P, Shuttleworth MHG. Megaloblastic Anaemia, Diabetes and Deafness in a Two-year-old Child [Letter]. *SAMJ* 2005;95:624.

Davidson A, Hartley PS, Berman P, Shuttleworth MHG. Megaloblastic Anaemia, Diabetes and Deafness in a Two-year-old Child. *JEMDSA* 2005;10:62.

Davidson A, Hartley PS, Desai F, et al. Wilms Tumour Experience in a South African Centre. *Pediatric Blood and Cancer* 2006;46:465.

Davidson A, Desai F, Hendricks M, et al. The Evolving Management of Burkitt's Lymphoma at Red Cross Children's Hospital. *SAMJ* 2006;96:950.

Davidson A, Desai F, Stannard C, et al. Intraocular Rhabdomyosarcoma in the Sibling of a patient with a Cerebellar Medulloepithelioma. *JPHO* 2006;28:476.

Mall AS, Tyler M, Lotz Z, et al. The Characterisation of Mucin in a Mature Ovarian Teratoma Occurring in an Eight Year Old Patient. *IJMS* 2007;4:115.

Theron S, Andronikou S, du Plessis J, et al. Pulmonary Kaposi sarcoma in six children. *Pediatric Radiology* 2007;37:1224.

Moore SW, Davidson A, Hadley GP, et al. Malignant Liver Tumours in South African Children: A National Audit. *World Journal of Surgery* 2008;32:1389.

Cairncross L, Davidson A, Millar AJW, et al. Kaposi's Sarcoma in Children with HIV: a clinical series from Red Cross Children's Hospital. *JPS* 2009;44:373.

Davidson A. Kaposi Sarcoma: The African HIV Epidemic's Partner in Crime. *Pediatric Blood and Cancer* 2010;54:657.

Hendricks M, Pillay S, Davidson A, et al. Kawasaki disease preceding HLH: Challenges for developing world practitioners. *PBC* 2010;54:1023.

Hendricks M, Davidson A, Pillay K, et al. Carboplatin-based chemotherapy and surgery: a cost effective treatment strategy for malignant extracranial germ cell tumours in the developing world. *Pediatric Blood and Cancer* 2011;57:172.

Millar AJW, Davidson A, Rode H, et al. Nephron-sparing surgery for bilateral Wilms' tumours: A single centre experience with 23 cases. *African JPS* 2011;8:49.

Wonkam A, Ponde C, Nicholson N, et al. The Burden of Sickle Cell Disease in Cape Town. *South African Medical Journal* 2012;102:752.

Bhengu L, Davidson A, du Toit P, et al (Lysosomal Storage Disorder Medical Advisory Board). South African guidelines for the management of Gaucher disease, 2011. *South African Medical Journal* 2012;102:697.

Woolner A, Davidson A, Skinner R, et al. Evaluation of infection control advice for patients at risk of chemotherapy-induced neutropenia in two paediatric oncology centres: Cape Town, South Africa & Newcastle-upon-Tyne, U.K. *Pediatric Hematology and Oncology* 2012;29:79.

Switala JR, Hendricks M, Davidson A. Serum Ferritin is a Cost-effective Laboratory Marker for HLH in the Developing World. *JPHO* 2012;34:e89.

England RJ, Pillay K, Davidson A, et al. Intussusception as a presenting feature of Burkitt Lymphoma: implications for management and outcome. *PSI* 2012;28:267.

Davidson A, Novitzky N. Stem Cell Transplantation for Primary Immunodeficiency. *Current Allergy & Clinical Immunology* 2012;25:205.

Wood R, Lazarus J, Davidson A, et al. Genitourinary Rhabdomyosarcoma: Lessons from a Developing World Series. *JPS* 2012;47:2083.

Abdullah MY, Karpelowsky J, Davidson A, et al. Management of 9 cases of Wilms tumour with Intra-cardiac extension; a single centre experience. *JPS* 2013;48:394.

Molyneux EM, Davidson A, Orem J, et al. The management of children with Kaposi Sarcoma in resource limited settings. *PBC* 2013;60:538.

Cox S, Kilborn T, Pillay K, et al. Magnetic Resonance Imaging versus Histopathology in Wilms Tumour and Nephroblastomatosis: Three examples of non-correlation. *Journal of Pediatric Hematology Oncology* 2014;36:e81.

Davidson A, Wainwright RD, Stones DK, et al. Malignancies in South African Children with HIV. *Journal of Pediatric Hematology Oncology* 2014; 36:111.

Davidson A, Hendricks M. Experience with B-cell Lymphoma at a South African centre in the HIV Era. *Transfusion and Apheresis Science* 2013;49:31.

Pillay K, Hendricks M, Davidson A. HHV-8 Large T cell Lymphoma: An unusual malignancy amidst more common B cell lymphomas in HIV positive children treated at a single institution. *Journal of Pediatric Hematology Oncology* 2013;35:e246.

Kruger M, Hendricks M, Stefan C, et al. Childhood Cancer In Africa. *Pediatric Blood and Cancer* 2014;61:587.

Kruger M, Stefan D, Uys R, et al. Childhood Cancer in Africa: Letter to the editor. *Pediatric Blood and Cancer* 2014;61:1525.

Bruwer Z, Algar U, Vorster A, et al. Predictive genetic testing in children for constitutional mismatch repair deficiency cancer predisposing syndrome. *Journal of Genetic Counselling* 2014;23:147-155.

Hanks S, Perdeaux E, Seal S, et al. Germline mutations in the PAF1 complex gene CTR9 predispose to Wilms tumour. *Nature Communications* 2014. 5:4398 doi: 10.1038/ncomms5398. Published online 7 Aug 2014.

Parkes J, Davidson A, Figaji AA. Improving the quality of care for children with brain tumours in South Africa: A report from the 4th Paediatric Brain Tumour Workshop. *South African Journal of Child Health* 2014;8:44.

Alli N, Patel M, Alli H, et al. Recommendations for the management of sickle cell disease in South Africa. *South African Medical Journal* 2014;104:743.

Bhengu L, Davidson A, du Toit P, et al. (Lysosomal Storage Disorder Medical Advisory Board). Clinical Practice: Diagnosis and Management of Pompe Disease. *South African Medical Journal* 2014;104:273.

Parkes J, Hendricks M, Ssenyonga P, et al. SIOP PODC adapted treatment recommendations for standard-risk medulloblastoma in low and middle income settings. *Pediatric Blood and Cancer* 2015; 62: 553.

Stefan DC, Stones DK, Wainwright D, et al. Childhood cancer incidence in South Africa, 1987 – 2007. *South African Medical Journal* 2015;105:939.

Bhengu L, Davidson A, du Toit P, et al (Lysosomal Storage Disorder Medical Advisory Board). Anderson-Fabry disease: Recommendations for its Diagnosis, Management and Treatment in South Africa, 2014. *Journal of Endocrinology, Metabolism and Diabetes of South Africa* 2015;20:15.

Bohlius J, Maxwell N, Spoerri A, et al, for leDEA-Southern Africa. Incidence of AIDS-defining and Other Cancers in HIV-positive Children in South Africa: Record Linkage Study. *Pediatric Infectious Disease Journal* 2016; 35: e164.

The Pediatric AIDS-defining Cancer Project Working Group for leDEA Southern Africa, TApHOD and COHERE in EuroCoord. Kaposi Sarcoma Risk in HIV-Infected Children and Adolescents on Combination Antiretroviral Therapy from sub-Saharan Africa, Europe and Asia. *Clin Infect Dis* 2016;63:1245.

Lochan H, Moodley C, Bamford C, et al. Emergence of vancomycin-resistant *Enterococcus* at a tertiary paediatric hospital in South Africa. *SAMJ* 2016;106:562.

Odusote O, Davidson A, Hendricks M, et al. Reaction to chemotherapy: A focus on asparaginase. *Current Allergy & Clinical Immunology* 2016;29:232.

Hendricks M, Parkes J, Pillay K, et al. Outcomes of children with rhabdomyosarcoma treated with intensive chemotherapy, surgery and radiotherapy through a period of protocol revision at a South African centre, 1990-2010. *Pediatr Blood Cancer* 2017;64:e26248.

Millar AJW, Cox S, Davidson A. Management of bilateral Wilms tumours. *Pediatric Surgery International* 2017;33:461.

Hessissen L, Parkes J, Amayiri N, et al. SIOP PODC Adapted Treatment Recommendations Guidelines for Low Grade Gliomas in Low and Middle Income Settings. *Pediatric Blood and Cancer* 2017; 64: e26737.

Howard SC, Davidson A, Luna-Fineman S, et al. A framework to develop adapted treatment regimens to manage pediatric cancer in low- and middle-income countries: The Pediatric Oncology in Developing Countries (PODC) Committee of the International Pediatric Oncology Society (SIOP). *PBC* 2017; 64: e26879.

Parkes J, Hess C, Burger H, et al. Recommendations for the treatment of children with radiotherapy in low- and middle-income countries (LMIC): A position paper from the Pediatric Radiation Oncology Society (PROS-LMIC) and Pediatric Oncology in Developing Countries (PODC) working groups of the International Society of Pediatric Oncology (SIOP). *Pediatric Blood and Cancer* 2017; 64: e26903.

van Eyssen A, Novitzky N, de Witt P, et al. Single-centre experience of allogeneic haemopoietic stem cell transplant in paediatric patients in Cape Town, South Africa. *S Afr Med J* 2017;107:232.

Cox SG, Davidson A, Thomas J, et al. Surgical management and outcomes of 12 cases of Wilms tumour with intracardiac extension from a single centre. *Pediatric Surgery International* 2018;34:227.

Kahts M, Davidson A, van Eyssen A, et al. A cost comparison of rasburicase versus dialysis in the management of children with acute leukaemia and lymphoma at a South African centre. *SA J Oncology* 2018;2:50.

Hendricks M, Steenveld C, Thompson V, et al. Building a psychosocial and spiritual care service for children with cancer and their families. *SA J Oncology* 2019;3:52.

D. Research Support

Ongoing Research Support

[1] *Co-Investigator: Paediatric Brain Tumours in South Africa* (HREC REF: 149/2014).

[2] *Principal Investigator: Low grade gliomas treated at the UCT Academic Hospital Complex 2001-2013* (HREC REF: 389/2014).

The Paediatric Brain Tumour in South Africa initiative was awarded a grant of **R575000** for three years by CARISA/CANSA. The project aims to: [a] collect epidemiological and outcome data for childhood brain tumours at a tertiary paediatric hospital with a dedicated multidisciplinary team [b] collect qualitative and quantitative data about resources available to treat children with brain tumours and resources to guide and support parents and clinicians [c] establish educational resources and networking opportunities for parents of children with newly diagnosed tumours or survivors of brain tumours, and for clinicians involved in the initial or follow-up management of these children, and to [d] develop collaborations with international centres involved in the molecular biology of paediatric brain tumours and to establish a local foundation for tumour biology. My fellow investigators are the heads of Paediatric Neurosurgery (Professor Anthony Figaji), Radiation Oncology (Professor Jeannette Parkes) and Paediatric Pathology (Professor Komala Pillay). The combined neuro-oncology service of the University of Cape Town and its affiliated teaching hospitals has established a very strong agenda to advance the cause of paediatric brain tumours (PBTs) in Southern Africa and beyond. Our platform constitutes a regional centre of excellence with respect to surgery, radiotherapy and neuro-oncology and is therefore well placed to co-ordinate this project. Apart from the annual brain tumour meeting (PBTW) which we run, and which seeks to improve standards of care by encouraging multidisciplinary co-operation, we participate in efforts via SIOP's Paediatric Oncology in Developing Countries (PODC) committee to create safe and effective, but locally appropriate treatment guidelines for children with PBTs in low and middle income countries (LMIC) and we host a telemedicine forum which provides management advice in real time for our regional shared care partners. This research will be the main thrust of my research going forward, dovetailing with my clinical interest which is paediatric neuro-oncology. We have two publications pre-submission (a low

grade glioma adapted treatment regimen for SIOP and the UCT-platform's experience with medulloblastoma) and my new oncology fellow is going to update our experience with low grade gliomas for her MPhil and publish the data.

[3] *Principal Investigator: Paediatric Cancer Database* (HREC REF: R046/2015).

Together with UCT Health Science Faculty's Director of Cancer Research, Professor Jennifer Moodley, I have initiated a project (the Paediatric Cancer Database) which will house information on all new paediatric cancers diagnosed in the UCT platform. Patient data will be captured in real time allowing for multiple collaborations between the various specialties involved in diagnostics and management. We were awarded a **R1.4m** research grant by CANSA in October 2017.

[4] *CHOC funding* of a research nurse for data capture of information for the Children's Cancer Registry (R2500 per month)

Completed Research and Support

[1] Principal Investigator: HIV and Childhood Malignancy in South Africa (HREC REF: 079/2009).

I received a SCAH Research Committee grant for this study. (SCAH DRC#: 446/08 R6000). The study results were published in the JPHO.

[2] Principal Investigator: Phase II study of Dasatinib therapy in children and adolescents with newly diagnosed chronic phase chronic myelogenous leukemia or with Ph+ leukemias resistant or intolerant to Imatinib. Bristol Myers Squibb CA180-226 (HREC REF: 258/2010). Study closed to recruitment.

[3] Principal Investigator: B-cell Lymphoma at the Red Cross Children's Hospital in the HIV Era (HREC REF: 472/2012). Published in TAS.

[4] Co-Investigator: Childhood Histiocytosis in South African Paediatric Oncology Units (HREC REF: 497/2012). Abstract published in PBC.

[5] Co-Investigator: Multicenter, open-label, randomised, pharmacokinetic (PK) and pharmacodynamic (PD) dose-ranging Phase II study of ticagrelor followed by a double-blind, randomised, parallel-group, placebo-controlled 4 weeks extension phase in paediatric patients with sickle cell disease. AstraZeneca D5136C00007 (HREC REF: 793/2014). Recruitment closed.

[6] Collaborator: Prevalence, incidence and risk factors, survival and prognosis for HIV-infected children developing cancer in South Africa. HIV/cancer Linkage study by the International Epidemiologic Databases to Evaluate AIDS Southern Africa (IeDEA-SA). Under the leadership of a principal investigator in Bern, Switzerland, the study aims to define the prevalence, incidence and risk factors, survival and prognostic factors of cancers in HIV-infected children attending HIV clinics. Published in PIDJ. Payment from an NIH Grant for IeDEA-SA Paediatric Linkage Study (US \$7500).

[7] Collaborator: Factors Associated with Childhood Tumours (FACT) study. Cancer genetics study being conducted by the Institute of Cancer Research, Surrey, United Kingdom. Published in Nature Communications.

[8] UCT 2006 Faculty Research Committee award allocation (R6000)

[9] UCT 2007 Faculty Research Committee award allocation (R5000)

[10] UCT 2012 Faculty Research Committee award allocation (R17000)

[11] UCT 2013 Faculty Research Committee award allocation (R10080)

[12] UCT 2014 Faculty Research Committee award allocation (R5000)

[13] UCT Hosting a Conference Grant for PBTW 2016 (R25000)