

Research

My research activities originate from my collaboration with the Health Sciences and currently my areas of interest include longitudinal studies with missing data, nonlinear mixed effect modelling, causal modelling in observation studies, simulation models for infectious diseases, joint modelling, competing risks and growth curve modelling.

Details of the main current and recent collaborations are as follows:

- **Biostatistician** on NIH funded project (1R01AI087915-01A1 W Hanekom (PI)) Host determinants of protection against tuberculosis in adolescents. 12/15/2010-11/30/2015
- **Consulting Statistician** on IeDEA project(U01 AI069924-01 Egger M(PI)) Observational Antiretroviral Studies In Southern Africa. 07/01/2006-ongoing
- **Statistician and co-investigator** on Wellcome Trust funded project (085251/B/08/Z M Nicol(PI)). The use of modern molecular tools to understand and intervene in the spread of multi drug resistant tuberculosis in rural South Africa. 09/2008-09/2012
- **Statistician and co-investigator** on NIH funded project (1R01HD058971-01 H Zar & M Nicol (PIs)). Diagnosis of tuberculosis in HIV-infected children – development and immunological strategies 09/2008-08/2013
- **Statistician and co-investigator** on NIH funded project (1R21MH096559-01A1 B Laughton, EM Meintjes, AJW van der Kouwe (PIs)) . Technology development and neuroimaging for 5 year old children with HIV infection. 09/15/2011 – 05/31/2013
- **Statistician and co-investigator** on NIH funded project (1R01HD071664-01 B Laughton, EM Meintjes, AJW van der Kouwe (PIs)). Longitudinal Neuroimaging and Cognitive Study of HIV-Infected Children. 09/30/2011 – 06/30/2016
- **Statistician and co-investigator** on SHARP (Dept. Science and Technology and LifeLab) funded project (Jo-Ann Passmore (PI)) . Role of genital tract immunity in prevention and control of HIV infection. 2011 – 2013
- **Statistician and co-investigator** on Cancer Association of South Africa (CANSA) funded project (Jo-Ann Passmore. (PI)). Impact of genital inflammation, HIV co-infection and Human Papillomavirus (HPV)-specific cellular immunity on HPV burden in the female genital tract: Inflammation and HIV co-infection as co-factors for cervical disease progression. 2011 - 2013

Workshops, Conferences and Short Courses (Selection)

1. Oral presentation at IBS 2016 conference, Victoria, British Columbia. “Joint models for nonlinear longitudinal profiles in the presence of informative censoring.”
2. Poster presentation at ISCB 2015 conference, Utrecht, The Netherlands. “Growth Curve comparisons to assess impact of HIV infection and ART on Head Circumference profiles of a cohort of South African infants.”
3. Poster presentation at IBC 2014 conference, Florence, Italy. “Joint modeling of time-to-event outcomes and continuous disease markers in the presence of informative censoring and competing events.”
4. Oral presentation at SASA 2012 conference, Port Elizabeth. “Models for the analysis of competing risks.”
5. Joint oral presentation with Lucy Campbell at International Biometrics Conference, Kobe, Japan, August 2012. “Comparison of methods for survival analysis in the presence of competing risks and non-proportional hazards.”
6. Poster presentation at International Workshop in Statistical Modelling, Valencia, Spain, July 2011. “Modeling growth patterns of the swift tern using nonlinear mixed effect models”.
7. Joint oral presentation with Katya Mauff at International Workshop in Statistical Modelling, Valencia, Spain, July 2011. “Multivariate Nonlinear Multi-Level Mixed Effect Models: Techniques and Application to Pharmacokinetic Data.”
8. Oral presentation at International Biometrics Conference, Florianopolis, Brazil, December 2010. “ Statistical methods for dealing with missing data due to informative censoring and with time-dependent confounding when comparing the effect of three nutritional supplementation programs on the well-being of HIV-infected infants.”
9. Oral presentation at SASA 2010 conference, Potchefstroom. “Models to estimate duration of gametocytemia in the presence of informative censoring.”
10. Oral presentation at International Workshop in Statistical Modelling, Glasgow, July 2010. “Parametric survival models in the presence of informative censoring”.
11. Oral presentation at ISI conference August 2009. “Statistical Methods for the analysis of gametocytes in patients with malaria”.
12. Oral presentation at SASA conference November 2008. “ A Markov Decision analytic model to determine the effects of delayed BCG vaccination in a highly endemic setting for TB disease”

13. Attendance and joint paper presentation (with Raman and Barnes) at Antimalarial Treatment Strategies meeting, March 2008. “Changes in the frequency of molecular markers associated with Sulfadoxine-Pyrimethamine resistance following the implementation of Artesunate plus SP treatment policy in Mozambique, Equatorial Guinea and South Africa.”
14. Invited oral presentation at the IUATLD BCG Working Group meeting, scheduled during the International TB conference in Cape Town in November 2007. “Modeling the effects of delayed BCG vaccination in a highly endemic setting”.
15. Oral presentation at Sacema Epidemiological modelling conference, Stellenbosch, November 2006. “Longitudinal Modelling of the Incidence of Infectious Morbidity to assess the impact of micro-nutrient supplementation on HIV+ children”.
16. Poster presentation and attendance at RSSPSI2005 Conference, Cardiff, Wales in July 2005 on “ The use of statistical models in the analysis of the prevalence and density of gametocytes in patients infected with Plasmodium falciparum malaria”.
17. Participant at workshop on Modelling of Malaria Data – SEACAT & Wellcome Trust – Mpumalanga – November 2003
18. Attendance of workshop on Economic Modelling of Malaria Research – American Medical Association – Oxford – July 2003

Post-graduate Supervision

1. Student, Tinashe Chatora (PhD, ongoing). Thesis title : Joint Modelling of Nonlinear Response Curves in the presence of informative censoring.
2. Student, Jordache Ramjith (PhD, ongoing). Thesis title: Statistical modelling of pneumonia data.
3. Student, Deepak Soowamber (MSc, ongoing). Thesis title: Joint modelling of viral load, cd4 and time to drop-out or time to relapse in patients co-infected with TB and HIV.
4. Student, Shravan Lalbahadur (MSc, ongoing). Thesis title: Longitudinal Analyses of Insurance Data. Joint supervision with Iain MacDonald.
5. Raymond Nhapi (Msc, ongoing). Thesis title: A generalized linear mixed models analysis of data from the Sinovuyo Families Program.
6. Student, Sheetal Silal (PhD, 2014). Thesis title: Mathematical models for the Elimination of Malaria. Joint supervision with Karen Barnes and Lisa White.

7. Student, Tinashe Chatora (MSc, 2013). Thesis title: Detection and down-weighting of outliers in non-normal data: Theory and Application. Joint supervised with Freedom Gumedze.
8. Student, Lucy Campbell (MSc, 2013). Thesis title: Statistical Models for Time to event Outcomes and Determination of Causal Relationships in an Observational HIV/TB study." Jointly supervised with Andrew Boulle
9. Student, Lindi Roberts(PhD, 2012). Thesis title: Impact of sexually transmitted infections and inflammation in the female genital tract and blood on susceptibility to HIV-1 infection and disease progression. Co-supervised with Jo-Ann Passmore and Caroline Williamson.
10. Student, Lenine Liebenbergh(PhD, 2011).Thesis title: Inflammation and T cell activation at the female genital tract: the impact on HIV disease progression, risk of transmission, and susceptibilty to HIV infection. Co-supervised with Jo-Ann Passmore.
11. Student, Katya Mauff(MSc, 2011). Thesis title: Multivariate Non-Linear Mixed Effect Modeling of Malaria Drug Concentrations. Jointly supervised with Karen Barnes.
12. Student, Leslie Workman (MPH, 2009). Thesis title: Does helminth treatment reduce the risk of active tuberculosis in a cohort of children from a high tuberculosis risk population who have been vaccinated with BCG at birth? Co-supervised with Rodney Ehrlich and Mark Hatherill
13. Student, Tahira Kootbodien(MPH, 2011). Thesis title: The association of depression, impulsivity and suicidal ideation with organophosphate pesticide exposure amongst South African farm workers , Co-supervised with Leslie London.
14. Student, Sheetal Silal (MSc, 2009). Thesis title: A Simulation Model of Antimalarial Drug Resistance. Jointly supervised with Karen Barnes and Theo Stewart
15. Student, Elizabeth Allen (MPH, 2008). Thesis title: Efficacy of Sulfadoxine-Pyrimethamine with and without artesunate in the treatment of uncomplicated malaria in Mozambique. Co-supervised with Karen Barnes and Andrew Boulle.
16. Student, Dismas Ntrampeba (MSc, 2008). Thesis title: Modelling Growth Patterns of Bird Species Using Non-Linear Mixed Effects Models. Jointly supervised with Birgit Erni.
17. Student, Carey-Ann Adams (MSc, 2007). Thesis title: Selecting groups of genes that are predictive of outcome. Jointly supervised with Linda Haines
18. Student, Jo-Ann McLoughlin(MPH, 2007). Thesis title: Thesis dealt with extent and impact of "Papsak" drinking on farms in the Western Cape. Co-supervised with Leslie London

19. Student, Greg Distiller(MSc, 2007), Thesis title: Nonlinear Mixed effect modeling of gametocyte carriage in patients with uncomplicated malaria. Jointly supervised with Karen Barnes.
20. Student, Helen McIlleron(PhD, 2004). Thesis title: Determinants and consequences of the pharmacokinetics of Rifampicin, Isoniazid, Pyrazinamide and Ethambutol in a cohort of tuberculosis patients. Co-supervised with Peter Folb and Peter Smith.
21. Student, Karen Barnes(Mmed, 2004), Thesis title: The pharmacodynamics and pharmacokinetics of rectal administration of artesunate in the initial treatment of moderately severe and severe malaria in South African adults in northern KwaZulu-Natal. Co-supervised with Peter Folb

Teaching

Undergraduate

Introductory Statistics (first year)
 Experimental Design (second year)
 Applied Regression Analysis (second year)
 Generalized Linear Models (third year)

Postgraduate

Bsc(honours) Biostatistics
 MPH Biostatistics
 MSc Nonlinear Mixed effect models
 MSc Survival Analysis
 MSc Longitudinal Data Analysis

Other:

- Lecturer and coordinator of Biostatistics Short Course offered by Sacema, July 2012 and 2013.
- Part of Faculty for Foggarty Summer School that introduces researchers from South Africa and Africa to Bio-statistics, Epidemiology and other medical research skills, 2007 and 2008.
- Lecturer/Tutor on short course on Design and conduct of clinical trials in Africa, offered by the Anglo-French Alliance for Tropical Medicine and sponsored by Wellcome Trust, Cape Town – January 2006.

Management, Leadership and Administration

- Head of Department
- Member of Faculty committees in Science and Commerce, including Dean's Advisory Board and Academic Accreditation Committees
- President of South African Statistical Association (2016) and on executive committee(2015-2017)
- Member of IBC Conference advisory Committee
- Member of various departmental Committees, including Executive committee, Postgraduate students and Consulting committee.

Publications:

1. Mbugua, KK, Holmes MJ, Cotton MF, Ratai E, ***Little F***, Hess AT, Dobbels E, Van der Kouwe AJW, Laughton B, Meintjes, EM. “HIV-associated CD4+/CD8+ depletion in infancy is associated with neurometabolic reductions in the basal ganglia at age 5 years despite early antiretroviral therapy.” *AIDS* 30(9), 1353-1362, 2016.
2. Kriek JM, Jaumdally SZ, Masson L, ***Little F***, Mbulawa ZZ, Gumbi PP, Barnabas SL, Moodley J, Denny L, Coetzee D, Williamson A, Passmore J. “Female genital tract inflammation, HIV co-infection and persistent mucosal Human Papillomavirus (HPV) infections.” *Virology*, 2016.
3. Silal SP, ***Little F***, Barnes KI, White LJ. “Hitting a moving target: a model for malaria elimination in the presence of population movement” *PloS one*, 2015.
4. Masson L, Salkinder AL, Olivier AJ, McKinnon LR, Gamiieldien H, Mlisana K, Scriba TJ, Lewis DA, ***Little F***, Jaspan HB, Ronacher K, Denny L, Karim QA, Karim SSA, Passmore JS. “Relationship between female genital tract infections, mucosal interleukin-17 production and local T helper type 17 cells.” *Immunology* 146 (4), 557-567, 2015.
5. Masson L, Arnold KB, ***Little F***, Mlisana K, Lewis DA, Mkhize N, Gamiieldien H, Ngcapu S, Johnson L, Lauffenburger DA, Karim QA, Karim SSA, Passmore JAS. “Inflammatory cytokine biomarkers to identify women with asymptomatic sexually transmitted infections and bacterial vaginosis who are at high risk of HIV infection.” *Sexually transmitted infections, sextrans-2015-052072*, 2015.
6. Zar HJ, Workman LJ, ***Little F***, Nicol MP. “Diagnosis of pulmonary tuberculosis in children: assessment of the 2012 National Institutes of Health expert consensus criteria.” *Clinical Infectious Diseases* 61 (suppl. 3), S173-S178, 2015.
7. Silal SP, ***Little F***, Barnes KI, White LJ. “Predicting the impact of border control on malaria transmission: a simulated focal screen and treat campaign.” *Malaria journal* 14 (1), 268, 2015.
8. Masson L, Passmore JS, Liebenberg LJ, Werner L, Baxter C, Arnold KB, Williamson C, ***Little F***, Mansoor LE, Naranbhai V, Lauffenburger DA, Ronacher K, Walzl G, Garrett NJ, Williams BL, Couto-Rodriguez M, Hornig M, Lipkin WI, Grobler A, Karim QA, Karim SSA. “Genital inflammation and the risk of HIV acquisition in women.” *Clinical Infectious Diseases*, civ298, 2015.
9. Silal SP, ***Little F***, Barnes KI, White LJ. “Sensitivity to model structure: a comparison of compartmental models in epidemiology.” *Health Systems*, 2015.

10. Kamkuemah M, Kaplan R, Bekker LG, **Little F**, Myer L. “Renal impairment in HIV-infected patients initiating tenofovir-containing antiretroviral therapy regimens in a Primary Healthcare Setting in South Africa.” *Tropical Medicine & International Health* 20 (4), 518-526, 2015.
11. Ward CL, Mertens JR, Bresick GF, **Little F**, Weisner CM. “Screening and brief intervention for substance misuse: does it reduce aggression and HIV-related risk behaviours?” *Alcohol and alcoholism*, agv007, 2015.
12. Geng EH, Neilands TB, Thièbaut R, Bwana MB, Nash D, Moore RD, Wood R, Zannou DM, Althoff KN, Lim PL, Nachega JB, Easterbrook PJ, Kambugu A, **Little F**, Nakigozi G, Nakanjako D, Kiggundu V, Li PCK, Bangsberg DR, Fox MP, Prozesky HW, Hunt PW, Davies MA, Reynolds SJ, Egger M, Yiannoutsos CT, Vittinghoff EV, Deeks SG, Martin, JN. “CD4+ T cell recovery during suppression of HIV replication: an international comparison of the immunological efficacy of antiretroviral therapy in North America, Asia and Africa.” *International journal of epidemiology* 44 (1), 251-263, 2015.
13. Masson L, Mlisana K, **Little F**, Werner L, Mkhize NN, Ronacher K, Gamielien H, Williamson C, Mckinnon LR, Walzl G, Karim QA, Karim SSA, Passmore JS. “Defining genital tract cytokine signatures of sexually transmitted infections and bacterial vaginosis in women at high risk of HIV infection: a cross-sectional study.” *Sexually transmitted infections* 90 (8), 580-587, 2014.
14. Cox HS, Mbhele S, Mohess N, Whitelaw A, Muller O, Zemanay W, **Little F**, Azevedo V, Simpson J, Boehme CC, Nicol MP. “Impact of Xpert MTB/RIF for TB diagnosis in a primary care clinic with high TB and HIV prevalence in South Africa: a pragmatic randomised trial.” *PLoS Med* 11(11): e1001760. doi: 10.1371/journal.pmed.1001760, 2014.
15. Kriek JM, Jaumdally SZ, Mbulawa Z, Gumbi PP, Masson L, Barnabas SL, Coetzee D, Williamson A, **Little F**, Passmore JS. “Impact of Persistent Human Papillomavirus (HPV) Infections on Inflammatory Cytokine Levels in the Female Genital Tract: Implications for HIV Risk.” *AIDS research and human retroviruses* 30 (S1), A233-A233, 2014.
16. Jaumdally SZ, Gumbi PP, Gamielien H, Masson L, Jaspan HB, Tiemessen C, Picton A, Williamson A, Coetzee D, **Little F**, Passmore JS. “Impact of Systemic Immune Activation (IA) and Inflammation on the HIV Susceptibility of HIV-individuals with HIV Concordant or Discordant Partners.” *AIDS research and human retroviruses* 30 (S1), A14-A15, 2014.
17. Silal SP, **Little F**, Barnes KI, White LJ. “Towards malaria elimination in Mpumalanga, South Africa: a population-level mathematical modelling approach.” *Malaria J* 13, 297, 2014.

18. Ntirampeba D, Mtambo OPL, Erni B, *Little F*. “Modeling Growth Patterns of Swift Terns Using Non-Linear Mixed Effects Models.” *International Journal of Statistics and Applications* 4 (5), 224-232, 2014.
19. Silal SP, Barnes KI, Kok G, Mabuza A, *Little F*. “Exploring the Seasonality of Reported Treated malaria Cases in Mpumalanga, South Africa.” *PLoS ONE* 8(10):e76640,2013.
20. Ochieng AA, Dalvie MA, *Little F*, Kromhout H. “ Relationship between environmental exposure to pesticides and onthropometric outcomes of boys in the rural Western Cape, South Africa.” *S Afr Med J* 103(12):942-947, 2013.
21. McLoughlin JA, *Little F*, Mazok C, Parry C, London L. “Prevalence of and associations with papsak wine consumption among farm workers in the Western Cape Province, South Africa.” *J Stud Alcohol Drugs*.74(6):879-88, 2013.
22. London, L, Beseler C, Bouchard MF, Bellinger DC, Colosio C, Grandjean P, Harari R, Kootbodien T, Kromhout H, *Little F*, Meijster T, Moretto A, Rohlman D, Stallones L. “Neurobehavioral and neurodevelopmental effects of pesticide exposures”. *NeuroToxicology*, 33, 887-896, 2012.
23. Roberts L, Passmore JS, Mlisana K, Williamson C, *Little F*, Bebell LM, Walzl G, Abrahams MR, Woodman Z, Abdool Karim Q, Abdool Karim SS. “Genital tract inflammation during early HIV-1 infection predicts higher plasma viral load set-point in women.” *JID* Jan 15;205(2):194-203, 2012.
24. Jaspan HB, Liebenberg LJ, *Little F*, Hanekom W, Burgers WA, Coetzee D, Williamson AL, Myer L, Coombs RW, Sodora D, Passmore JS. “Immune activation in the female genital tract during HIV infection predicts mucosal CD4 depletion and HIV shedding.” *JID*, 204(10),1550-1556, 2011.
25. Lawn SD, Campbell L, Kaplan R, *Little F*, Morrow C, Wood R. “Delays in starting antiretroviral therapy in patients with HIV-associated tuberculosis accessing non-integrated clinical services in a South African township.” *BMC Infectious Disease*, 11 , 258 ,2011.
26. Lawn SD, Campbell L, Kaplan R, Boulle A, Cornell M, Morrow C, *Little F*, Egger M, Wood R. “Time to Initiation of Antiretroviral Therapy Among Patients with HIV-Associated Tuberculosis in Cape Town, South Africa. ”
 - a. *J Acquir Immune Defic Syndr*, 57, pp136-140, 2011
27. Roberts, L, Passmore JS, Williamson C, Little F, Bebell LM, Mlisana K, Burgers WA, Van Loggerenberg F, Walzl G, Djoba Siawaya JF, Abdool Karim Q, Abdool Karim SS. “Plasma cytokine levels during acute HIV-1 infection predict HIV disease progression.” *AIDS*. 24, 819-831, 2010.
28. Hatherill M, Hanslo M , Hawkrigde T , *Little F*, Workman L , Mahomed H, Tameris M, Sizulu Moyo S, Geldenhuys H, Hanekom W, Geiter L, Hussey G. “Structured approaches for the screening and diagnosis of childhood

- tuberculosis in a high prevalence region of South Africa.” Bull World Health Organ, 88:312–320, 2010.
29. Nyunt MM, Adam I, Kayentao K, Van Dijk J, Thuma P, Mauff K, **Little F**, Cassam Y, Guirou E, Traore B, Doumbo O, Sullivan D, Smith P, Barnes KI. “Pharmacokinetics of Sulfadoxine and Pyrimethamine in Intermittent Preventive Treatment of Malaria in Pregnancy.” Clinical Pharmacology and Therapeutics, 87(2), pp 226-234, 2010.
 30. Raman J, **Little F**, Roper C, Kleinschmidt I, Cassim Y, Maharaj R, Barnes K. “Five years of large scale dhfr and dhps mutation surveillance following the phased implementation of artesunate plus sulfadoxine-pyrimethamine in Maputo province, southern Mozambique.” American Journal of Tropical Medicine and Hygiene. 82(5), pp788-794, 2010.
 31. Distiller BD, **Little F**, Barnes KI. “Nonlinear mixed effect modelling of gametocyte carriage in patients with uncomplicated malaria.” Malaria Journal, 9:60, 2010.
 32. Roberts L, Passmore JS, Williamson C, **Little F**, Bebell L, Mlisana K, Burgers W, Van Loggenberg F, Walzl G, Siawaya JFD, Karim QA, Karim SSA. “Plasma cytokine levels during acute HIV-1 infection predict HIV disease progression” AIDS, 24, pp 819-831, 2010.
 33. Watkins DA, Hendricks N, Shaboodien G, Mbele M, Parker M, Vezi B, Latib A, Chin A, **Little F**, Badri M, Moolman-Smook JC, Okreglicki A, Mayosi BM. Clinical Features, Survival Experience and Profile of Plakophylin-2 Gene Mutations in Participants of the Arrhythmogenic Right Ventricular Cardiomyopathy Registry of South Africa. Heart Rhythm, Vol 6, Issue 11, Supplement, S10-S17, 2009.
 34. Leisegang R, Cleary S, Hislop M, Davidse A, Regensberg L, **Little F**
 35. , Maartens G. Early and Late Direct Costs in a Southern African Antiretroviral Treatment Programme: A Retrospective Cohort Analysis. PLOS Medicine 6(12): e1000190, 2009.
 36. Allen EN, **Little F**, Camba T, Cassam Y, Raman J, Boule A, Barnes KI. Efficacy of sulphadoxine-pyrimethamine with or without artesunate for the treatment of uncomplicated Plasmodium falciparum malaria in southern Mozambique: a randomized controlled trial. Malaria Journal, 8, 141. 2009.
 37. Lawn SD, **Little F**, Bekker LG, Kaplan R, Campbel E, Orrell C, Wood R. “Changing mortality risk associated with CD4 cell response to antiretroviral therapy in South Africa”. AIDS 23:335-342, 2009
 38. Mansoor N, Scriba TJ, De Kock M, Tameris M, Keyser A, Abel B, **Little F**, Soares A, Gelderbloem S, Mlenjeni S, Denation L, Hawkrigde A, Boom H, Kaplan G, Hussey G, Hanekom WA. “HIV-1 infection in Infants Severely

- Impairs the Immune Response Induced by Bacille Calmette-Guerin Vaccine”. *Journal of Infectious Diseases*,199:982-990, 2009.
39. Sharma TS, Hughes J, Murillo A, Riley J, Soares A, **Little F**, Mitchell CD, Hanekom WA. “ CD8+ T-cell Interleukin-7 Receptor Alpha Expression as a Potential Indicator of Disease Status in HIV-infected Children.” *PLoS One*,3(12) e3986, 2008.
 40. Abel B, Mansoor N, Scriba T, Hughes J, De Kock M, Tameris M, Mlenjeni S, Denation L, **Little F**, Gelderbloem S, Hawkrigde A, Boom H, Kaplan G, Hussey G, Hanekom W. “Significantly skewed memory CD8+ T cell subsets in HIV-1 infected infants during the first year of life. *Clinical Epidemiology*, 2008.
 41. Hawkrigde T, Hatherill M, **Little F**, Goetz MA; Barker L, Mahomed H, Sadoff J, Hanekom W, Geiter L, Hussey G. “A randomized trial comparing the efficacy of percutaneous versus intradermal BCG in the prevention of tuberculosis disease in infants and young children”. *BMJ*, 2008.
 42. Orrell C, **Little F**, Smith P, Folb P, Taylor W, Olliaro P, Barnes K. “Pharmacokinetics and tolerability of artesunate and amodiaquine alone and in combination in healthy volunteers” *European Journal of Clinical Pharmacology*, 2008
 43. Barnes KI , **Little F**, Mabuza A, Mngomezulu N, Govere J, Durrheim D, Roper C, Watkins W, White NJ .“Increasing post-treatment gametocytemia: an early parasitological indicator of emerging sulfadoxine-pyrimethamine resistance in falciparum malaria.” *The Journal of Infectious Diseases*, 197, 1603-1613,2008
 44. Ward CL, Mertens JR, Flisher AJ, Bresick GF, Sterling SA, **Little F**, Weisner CM. “Prevalence and correlates of substance use among South African primary care clinic patients.” *Substance Use and Misuse*,43,1395-1410, 2008
 45. Rawoot A, **Little F**, Heckmann JM, “Risk of malignancies in myasthenia gravis patients on Azathioprine treatment.” *SAMJ*, 96 (12),1249-1251, 2006.
 46. Barnes KI, **Little F**, Smith PJ, Evans A, Watkins WM, White NJ, “Sulfadoxine-pyrimethamine pharmacokinetics in malaria: pediatric dosing implications.” *Clinical Pharmacology and Therapeutics*, 80 (6),582-596,2006.
 47. Mahomed H, Hughes EJ, Hawkrigde T, **Little F**, Simon E, Geiter L, Hanekom W, Hussey G. “Comparison of Mantoux skin test with three generations of a whole blood IFN-gamma assay for tuberculosis infection.” *International Journal of Tuberculosis and Lung Disease*. 10, 310-316, 2006.
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- burden in KwaZulu-Natal, South Africa.” PLOS Medicine 2(11), 1123-1134, 2005.
49. Heckmann JM, Lambson EMT, *Little F*, Owen EP. “Thiopurine methyltransferase (TPMT) heterozygosity and enzyme activity as predictive tests for the development of azathioprine-related adverse events.” Journal of Neurological Sciences 231,71–80, 2005.
 50. Van Kooten Niekerk NKM, Knies MM, Howard J, Rabie H, Zeier M, Van Rensburg A, Frans N, Schaaf HS, Fatti G, *Little F*, Cotton MF. “The first five years of the family clinic for HIV at Tygerberg hospital: Family demographics, survival of children and early impact of antiretroviral therapy.” Journal of Tropical Paediatrics, 52,12-18, 2006.
 51. Barnes KI, Mwenechanya J, Tembo M, McIlleron H, Folb PI, Ribeiro I, *Little F*, Gomes M, Molyneux ME. “Efficacy of rectal artesunate compared with parenteral quinine in initial treatment of moderately severe malaria in African children and adults: a randomised study.” The Lancet 363, 1598-1605, 2004.
 52. Myer L, Matthews C, *Little F*. “Improving the accessibility of condoms in South Africa: the role of informal distribution.” Aids Care 14(6), 73–78, 2002.
 53. Myer L, Matthews C, *Little F*. “Condom use and sexual behaviours among individuals procuring free male condoms in South Africa.” Sexually Transmitted Diseases 29, 239-241, 2002.
 54. *Little F*, Myer L, Mathews C, “Barriers to accessing free condoms at public health facilities across South Africa.” South African Medical Journal 92, 218-222, 2002.
 55. Myer L, Mathews C, *Little F*. “Measuring consistent condom use: A comparison of cross-sectional and prospective measurements in South Africa.” Int J Std AIDS 13, 62-63, 2002.
 56. Myer L, Matthews C, *Little F*, “Dual method use among South African condom procurers”. International Family Planning Perspectives 28(2),119-121, 2002.
 57. Myer L, Matthews C, *Little F*. “Condom gap in Africa wider than study suggests.” British Medical Journal 323, 937-937 (letter), 2001.
 58. Myer L, Matthews C, *Little F*, Karim SSA, “The fate of free male condoms distributed to the public in South Africa”. AIDS 15,789-793, 2001.
 59. Myer L, Matthews C, *Little F*, “Tracing condom fates: Design and Pilot Results of a Study Investigating the Use and Wastage of Public Sector Condoms.” Afr J Reprod Health 5, 66-74, 2001.
 60. Mayosi BM, *Little F*, Scott Millar RN “Long-term survival after permanent pacemaker implantation in children and young adults : initial 30-year experience”, PACE 22,407-412, 1999.

61. Hastie T, *Little F*, “Principal Profiles”, Proceedings of the Interface Conference, 1987.
62. Potter PC, McCaldin M, Dowdle EB, *Little F*, Juritz J, “Clustering of allergen specific IgE antibody responses in allergic responses in allergic subjects”, *Annals of Allergy* 66(2) 149-153, 1991
63. Kibel SM, Kibel MA, *Little F*, Pocock FH, “Blood lead levels in young newspaper vendors”, *South African Medical Journal*.75(10), 467-469 ,1989.