

Date CV Prepared: September 2009

Personal Data

Name: Jerome Amir Singh
Birthplace: Durban, South Africa
Citizenship: South African

Academic training

| Year awarded | Degree | Institution | Degree field |
|---------------------|----------------------------------|-----------------------|------------------------------|
| 1995 | Bachelor of Arts (BA) | University of Natal | Psychology and Legal Studies |
| 1997 | Bachelor of Law (LLB) | University of Natal | Law |
| 1998 | Master of Law (LLM) | University of Natal | Law (<i>cum laude</i>) |
| 2002 | Doctor of Philosophy (PhD) | University of Natal | Law |
| 2003 | Master of Health Sciences (MHSc) | University of Toronto | Bioethics (A+ average) |

PhD title: The Biological Manipulation of the Human Species in Southern Africa by Means of Chemical and Biological Weaponry: Medico-legal Implications. 2002. University of Natal, Durban (unpublished PhD thesis).

Sponsor: David McQuoid-Mason, PhD; Howard College School of Law, University of Natal, Durban.

US Federal certificates / accreditation

January 30, 2003 US National Institutes of Health (NIH) Institutional Review Board (IRB) members: roles and responsibilities (NIH Office of Human Subject Research).

March 23-24, 2004;
April 18, 2008 Good Clinical Practice (GCP) and Source Documentation,
- Introduction to GCP:
o Food and Drug Administration (FDA) Office of Human Research Protection (OHRP), International Conference on Harmonization (ICH).
- Protection of human subjects:
o historical events and current issues; ethical principles and guidelines pertinent to clinical research; integrating ethical principles and US federal regulations; informed consent process.
- Adverse events / serious adverse events
- Essential documents:
o US Department of AIDS (DAIDS) essential document Standard Operating Protocol (SOP).
o Source documents: DAIDS source document SOP.

Traineeship

July 1999 Genetics and Ethics (Professional development course), University of Colorado, Aspen, USA.
Sept 1999 Medical Ethics (Professional development course), Imperial College, University of London, London, UK.
April 2000 Public Health Ethics (MPH course credit), University of Adelaide, Adelaide, Australia.

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| June 2001 | Ethical Issues in International Health Research (Professional Development course), Harvard University, Boston, USA. |
| Aug 2002-June 2003 | Fogarty International Centre post-doctoral fellowship in Bioethics, University of Toronto Joint Center for Bioethics, Toronto, Canada. |
| Feb 2003-May 2003 | Internship at the AIDS Committee of Toronto (ACT), Toronto, Canada. |
| June 2004 | Health and Human Rights (Professional development course), Harvard University, Boston, USA. |

Professional Organizations and Societies

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| (a) The Society of Law Teachers of Southern Africa | 1999-2000. |
| (b) The Commonwealth Legal Education Association | 2000-2002. |
| (c) The World Congress on Medical Law | 2000-2002. |

Appointments

South Africa

Past

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| 1995-1996 | <u>Tutor</u> : Howard College School of Law, University of Natal, Durban. |
| 1997-1998 | <u>Lecturer</u> : Howard College School of Law, University of Natal, Durban. |
| 1999-2004 | Senior Lecturer: Howard College School of Law, University of KwaZulu-Natal, Durban. |
| 1999-2000 | <u>External Examiner</u> : <i>Commercial Law 220</i> , School of Law, University of Natal, Pietermaritzburg. |
| 2000-2001 | <u>External Examiner</u> : <i>Institutional Framework</i> , Masters of Public Health Law program, Faculty of Law, University of Durban-Westville. |
| 2001 | <u>External Examiner</u> : <i>Emerging Public Health Issues in Developing Countries</i> , Master of Public Health Law program, University of Durban-Westville. |
| 2001-2002 | <u>External Examiner</u> : <i>Telecommunications Law</i> , LLB programme, University of Witwatersrand, Johannesburg. |
| 2001-2002 | <u>External Examiner</u> : <i>Public health, Human Rights, and Ethics</i> , Master of Public Health Law program, University of Durban-Westville. |
| 2001-2004 | <u>External Examiner</u> : <i>Health and Human Rights</i> , Master of Public Health Law program, University of Durban-Westville (renamed UKZN, Westville since Jan 2004). |
| 2002-2004 | <u>External Examiner</u> : <i>Ethics and Human Rights</i> , Master of Public Health Law program, University of Durban-Westville (renamed UKZN, Westville since Jan 2004). |

Current

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| <u>2003-present</u> | <u>Head</u> : Bioethics and Health Law Program, Centre for the AIDS Program of South Africa (CAPRISA), Nelson R. Mandela School of Medicine, University of KwaZulu-Natal, Durban.. |
| <u>2005-present</u> | <u>Honorary Research Fellow</u> : Howard College School of Law, University of KwaZulu-Natal, Durban. |
| <u>2007-present</u> | <u>External Examiner</u> : <i>Public Health and Human Rights</i> , University of Cape Town. |
| <u>2007</u> | <u>External Examiner</u> : <i>Bioethics</i> , School of Law, Pietermaritzburg, University of KwaZulu-Natal, Petermaritzburg. |
| <u>2008-present</u> | <u>External Examiner</u> : <i>Legal Medicine</i> , University of Stellenbosch. |

Switzerland

Past

- 2003 Guest lecturer: 5th Course on International Law of Armed Conflict organized by the International Committee of Military Medicine, Spiez, Switzerland, August 2003.
- 2005 Guest lecturer: 7th Course on International Law of Armed Conflict organized by the International Committee of Military Medicine, Spiez, Switzerland, August 2005.
- 2006 Guest lecturer: 8th Course on International Law of Armed Conflict organized by the International Committee of Military Medicine, Spiez, Switzerland, August 2006.

Canada

Current

- 2004-present Adjunct Professor: Department of Public Health Sciences and Joint Centre for Bioethics, Faculty of Medicine, University of Toronto, Canada.
- 2005-present Co-Director: Ethical, Social, and Cultural Issues Advisory Service to the Bill and Melinda Gates Foundation's Grand Challenges in Global Health Initiative.

Honours

- 1997 Awarded University of Natal Graduate Scholarship.
- 1998 Awarded Master of Laws [LLM] (Natal) *cum laude*.
- 2002 Awarded Fogarty Fellowship, Southern African Fogarty AIDS International Training and Research Programme, United States National Institutes of Health (NIH) Fogarty International Centre.
- 2003 Awarded Master of Health Sciences [MHSc] (Toronto) degree with A+ (90-100%) average.
- 2004 Biographical profile solicited and selected for inclusion in 22nd edition of *Marquis Who's Who in the World - 2005* (Marquis Who's Who, New Jersey, USA) on the basis of outstanding scientific output and accomplishments in 2004.
- 2005 Named amongst the *2000 Outstanding Intellectuals of the 21st Century – 2005* (International Biographical Centre, Cambridge, UK) on the basis of outstanding scientific output and achievements in 2004/2005.
- 2005 Named in inaugural list of *Leading Educators of the World - 2005* (International Biographical Centre, Cambridge, UK) on the basis of outstanding academic output and achievements in 2004/2005.

Fellowship and Grant Support

Active

1. Sponsor: The Bill and Melinda Gates Foundation [through the University of Toronto] (PI: Singer)
Period: 01/11/2005-01/11/2010
Project title: *Addressing Ethical, Social and Cultural Issues related to the Grand Challenges in Global Health*
Value: \$10,028,271
Description: In the short and medium terms, to facilitate the successful and appropriate achievement of milestones in the Grand Challenges in Global Health projects, and, in the long-term, to fill gaps in knowledge that will facilitate the successful

and appropriate adoption of the technologies resulting from the Grand Challenges in Global Health projects by communities in need to address the spectrum of conditions addressed by the Grand Challenges in Global Health initiative.

Role: Co-investigator / co-director of Advisory Service
Commitment: 50%

2. Sponsor: National Institutes of Health (U01A1069469) (PI: Abdool-Karim)
Period: 01/01/2007-12/31/2013
Project title: *UKZN-CAPRISA HIV/AIDS Clinical Trials Unit*
Value: \$12,833,738 million
Description: To conduct clinical trials of the new network leadership groups
Role: Co-investigator / bioethicist on all studies
Commitment: 50%

3. Sponsor: The Bill and Melinda Gates Foundation [through the University of Toronto] (PI: Daar)
Period: 01/04/2008-01/04/2012
Project title: Social, ethical, cultural, commercial auditing for the Water Efficient Maize for Africa (WEMA) Project
Value: \$2,992,320
Description: In the short and medium terms, to facilitate the successful and appropriate achievement of milestones in the Weather Efficient Maize for Africa (WEMA) project, and, concurrently, to fill gaps in knowledge that will facilitate the successful and appropriate adoption of the technology resulting from the WEMA project, and other trait-enhancing crop projects, by communities in need of this new technology..
Role: Co-investigator
Commitment: To be determined

Past

1. Sponsor: University of Natal Research Fund (Research Code H502) (PI: Singh)
Period: 01/08/2003-12/08/2003
Project title: *The Medico-legal Implications of Using Virginity-Testing as a Method to Prevent HIV Transmission in South Africa.*
Value: R19, 250
Description: To evaluate the legal and ethical implications of using virginity testing as a method to prevent HIV-transmission in South Africa.
Role: Principal Investigator
2. Sponsor: Genome Canada, Ontario Genomics Institute (#303547) (PI: Lemmens)
Period: 02/09/2003-02/03/2004
Project title: *International and Comparative Perspectives on Regulation of Research, Health Systems and Insurance*
Value: \$11, 250 (South African component)
Description: A comparative analysis of the health systems regulatory schemes of China, South Africa and Nigeria.
Role: Principal Representative
3. Sponsor: National Institutes of Health (U19 AI51794) (PI: Abdool Karim)
Period: 07/01/2002-06/30/2007
Project title: *Collaborative AIDS Programme of Research in South Africa (CAPRISA)*

Value: \$10,685,048

Description: A multi-institutional programme to undertake globally relevant and locally responsive research that contributes to understanding HIV pathogenesis and epidemiology as well as the nexus between tuberculosis and AIDS care, builds local research infrastructure through cores of expertise and provides training through research fellowships tenable in South Africa and the USA.

Role: Co-investigator / Bioethicist / medico-legal advisor on all projects

Commitment: 50%

Pending

Not applicable

OVERLAP

None presently; but should pending grants be funded appropriate amendments to percentage efforts on relevant projects will be made.

Department and University Committees

- 1999-2002 Member (or alternate): Institutional Review Board / Research Ethics Committee, Nelson R. Mandela School of Medicine, University of Natal, Durban.
- 2000 Prosecutor / Defender: University of Natal Student Disciplinary Court.
- 2000-2001 Law Faculty Representative: Board of the Faculty of Community and Development Disciplines, University of Natal, Durban.
- 2000-2001 Law Faculty Representative: Traffic Working Group, University of Natal, Durban.
- 2001 Member: Publicity Committee, Howard College School of Law, University of Natal, Durban.
- 2004-2005 Member: Working Group: Developing Consolidated Research Policies for the University of KwaZulu-Natal.
- 2004-2006 Chairperson: CAPRISA Financial Conflicts of Interests Committee.
- 2007 Member: Biomedical Research Ethics Committee, Nelson R. Mandela School of Medicine, University of KwaZulu-Natal, Durban.

Teaching Experience and Responsibility

South Africa

Past

- 1996 Tutor: Department of Public Law, University of Natal, Durban (3 times weekly per course, full academic year) for *Interpretation of Statutes* [second year B.Proc. and 3rd year Legal Studies students]; and *Administrative Law* [final year B.Proc. students].
- 1997 Tutor: Department of Public Law, UND for *Human Rights* (twice weekly for full semester) to final year post-graduate LLB students; *Constitutional Law* (thrice weekly to final year Legal Studies and second year B.Proc. students); *Administrative Law* (twice weekly to final year graduate LLB students).
- 1997 Lecturer: Department of Business Law, University of Natal, Durban, (4 times weekly x 3 weeks {quarter of total course load}, second semester) for *Commercial Law 1B* [first year Commerce students].
- 1997 Lecturer: Alternative Access Programme, Innovation Centre, University of Natal, Durban, (4 times weekly x 3 weeks, {quarter of total course load}) for *Commercial Law 1B* [first year students in Advanced Diploma in Business Science bridging program].
- 1998 Lecturer: Department of Public Law, University of Natal, Durban: *Constitutional Law* (10 lectures per semester to final year BA undergraduate students); *Administrative Law* (10 lectures per semester to final year LLB graduate students); *Legal Diversity (Roman Law)* (10 lectures first semester to second year LLB undergraduate students); *Introduction to the Study of Laws* (26 interactive lectures first semester x 2 classes of first year LLB undergraduate students); *Specific Offences* (13 lectures first semester to undergraduate LLB students); *Legal Method* (10 lectures first semester to second year BA undergraduate students); *Foundations to the Study of Law* (26 interactive lectures second semester to 2 x classes of first year LLB undergraduate students).
- 1999-2004 Senior Lecturer: *Bioethics* (Course founder [1999] and Course Director: 26 lectures second semester {full course load} to undergraduate nursing and law students), *Bioethics and the Law* (Course founder [2000] and Course Director: 13 x two hour seminars second semester {full course load} to multidisciplinary graduate students; supervisor for LLM research projects / dissertations); *Internet and E-Commerce Law* (Course founder [2001] and Course Director: 7 x two hour seminars first semester to graduate students; ad-hoc sponsor/supervisor for LLM research projects / dissertations on topics pertaining to *Bioethics and the Law*

and/or *Internet Law*); *Teaching Legal Skills* (Course Co-founder [1999]; Coordinator/Supervisor: 13 lectures per semester {half course load} to final year students); *Insurance and Agency* (Course Director: 20 lectures second semester to final year students); *Commercial Law 2A* and *Commercial Law 2B* (Course Director; 26-39 lectures {quarter of total course load} per semester).

Current

- 2004-present Course Director: *Bioethics* (26 lectures to undergraduate nursing, biomedical science and law students);
Course Director and dissertation supervisor: *Bioethics and the Law* (13 x two hour seminars to multidisciplinary graduate students; sponsor/supervisor for LLM research projects / dissertations pertaining to Bioethics);
Course Director: *Public Health, Human Rights and Ethics* (13 x two hour seminars to multidisciplinary students);
Course Director: *Bioethics and the Law* (13 x two hour seminars to Master of Social Work (MSW) graduate students; sponsor/supervisor for LLM/MSW research projects pertaining to Bioethics and Social Work);
Guest lecturer: MSc. in epidemiology and biostatistics (2 lectures on public health ethics to post-graduate multidisciplinary students, Faculty of Health Sciences).
- 2004-2006 Sponsor/supervisor of CAPRISA bioethics doctoral [PhD] fellows 2004-2006: Ms Michelle Govender and Ms. Nilam Reddy, both registered with the Howard College School of Law, University of KwaZulu-Natal, Durban; Dr Aceme Nyika (post-doctoral fellow).
- 2005-present Honorary Research Fellow and post-graduate sponsor/supervisor: Howard College School of Law (sponsor/supervisor of LLD candidate [Prof. Yusuf Vawda, University of KwaZulu-Natal, since 2005]; LLM candidate [Ms. Nadira Mooruth, University of KwaZulu-Natal, since 2007]), and all LLM coursework students registered for the course *Bioethics and the Law*.

Switzerland

Past

- 2003 Guest lecturer: *International humanitarian law and medical ethics* (5th Course on International Law of Armed Conflict organized by the International Committee of Military Medicine, Spiez, Switzerland, August 2003: plenary address to student body and observer in other class sessions).
- 2005 Guest lecturer: *International humanitarian law and medical ethics* (7th Course on International Law of Armed Conflict organized by the International Committee of Military Medicine, Spiez, Switzerland, August 2005: plenary address to student body and observer in other class sessions).
- 2006 Guest Lecturer: *International humanitarian law and medical ethics* (7th Course on International Law of Armed Conflict organized by the International Committee of Military Medicine, Spiez, Switzerland, August 2006: plenary address to student body).

Canada

- 2004-present Adjunct Professor: Joint Center for Bioethics and School of Public Health Sciences, University of Toronto (guest lecturer on various courses at the Joint Center for Bioethics; ethics internship supervisor to MD candidate, Andrew Pinto, February 2005; graduate supervisory committee member to MSc/PhD candidate, Billy-Jo Hardy, 2007-present).
- 2008-present Course Director: MSC 3006Y Independent Study.

Other Professional Activities

Past

- 1998-2000 Consultant: Independent Medico-Legal Unit, Durban.
- 2000-2002 Member: HIV Post-Exposure Prophylaxis Group, Durban.
- 1999-2003 Member: Research Ethics Committee, Medical School, University of Natal
- 1999-2004 Member: KwaZulu-Natal Bioethics Reference Group.
- 2001 Member: proposed drafting sub-committee, South African Medicine Control Council (MCC) Clinical Trials Ethics Sub-Committee (to draft the definition of 'post-trial treatment' / long-term access to post-trial treatment) [inactive to date].
- 2001 Member: proposed drafting sub-committee, South African Medicine Control Council (MCC) Clinical Trials Ethics Sub-Committee (to draft proposals on how pharmaceutical companies should provide long-term access of HIV anti-retrovirals to HIV post-clinical trial participants in South Africa) [inactive to date].
- 2003 Member: South African National Department of Health taskforce on the revision of the National Health Act and its associated regulations pertaining to blood and tissue samples, therapeutic human cloning, and stem cell research in South Africa.
- 2003-2008 Member: Executive Committee, Center for the AIDS Programme of Research in South Africa.
- 2004-5 Clinical ethics trainer / consultant: King George V Hospital, Durban, South Africa.
- 2005 Reviewer on Ethical, Social, and Cultural Issues: short-listed recipients of the Grand Challenges in Global Health Initiative, Bill and Melinda Gates Foundation.
- 2005 Rapporteur: UNAIDS Southern and Eastern African Regional Consultation: Creating effective partnerships for clinical trials.
- 2005-2006 Chairperson: Clinical Ethics Committee, Resolution Health Medical Aid Scheme.

Current

- 2002-present Member: International Research Ethics Board, Médecins Sans Frontières (Doctors Without Borders).
- 2004-present Member: Columbia University - Southern Africa Fogarty AIDS International Training and Research Program (AITRP) Scientific Advisory Committee.
- 2005-present Member: International Therapeutic Data Safety Monitoring Board (Africa), National Institutes of Health, USA.
- 2004-present Member: Research Ethics Committee, South African Human Sciences Research Council.
- 2004-present Member: Scientific Advisory Board, Aurum Institute for Health Research.
- 2005-present Member: External Advisory Group on Publication Ethics and Competing Interests, *Public Library of Sciences (PLoS) Medicine*.
- 2007-present Member: Biomedical Research Ethics Committee, Nelson R. Mandela School of Medicine, University of KwaZulu-Natal, Durban.
- 2007-present Chairperson: Ethical, Social, Cultural Issues Working Group on genetically modified food, Grand Challenges in Global Health Initiative, Bill and Melinda Gates Foundation.
- 2008-present Member: International Association of Humanitarian Medicine (membership by invite only)
- 2008-present Member: International Advisory Board of the *Journal of Bioethical Inquiry*
- 2008-present Member: Research Ethics Committee, McCords Hospital, Durban.
- 2008-present Member: Advisory Committee on South African health legislation, South African Law Reform Commission.
- 2008-present Member: Task Force on Addressing Ethical Issues in TB Control Programmes, World Health Organisation.

- 2009-present Member: Bioethics Advisory Committee, Foundation for the National Institutes of Health, USA.
- 2009-present Member: External Advisory Committee, ENCORE (Evaluation of Novel Concepts in Optimization of anti-Retroviral Efficacy) Trial, National Centre in HIV Epidemiology and Clinical Research (NCHECR), University of New South Wales, Australia.

Editorial responsibilities

- 2001-09 Manuscript Reviewer: *Developing World Bioethics*
- 2003-2008 Manuscript Reviewer: *The Lancet*
- 2004 Manuscript Reviewer: *BMC Medical Education*
- 2004 Manuscript Reviewer: *AIDS Law Project*, Johannesburg
- 2005 Manuscript Reviewer: *Health Policy*
- 2005 Manuscript Reviewer: *International Journal of Equity in Health*
- 2005 Manuscript Reviewer: *Nursing Ethics*
- 2005-2006 Manuscript Reviewer: *Hastings Center Report*
- 2005-2006 Manuscript Reviewer: *South African Journal of Science*
- 2005-2008 Manuscript Reviewer: *PLoS Medicine*
- 2006 Manuscript Reviewer: *South African Journal of Human Rights*
- 2006 Manuscript Reviewer: *Stellenbosch Law Review*
- 2006-2008 Manuscript Reviewer: *African Journal of AIDS Research*
- 2007 Manuscript Reviewer: *BMC International Health and Human Rights*
- 2009 Manuscript Reviewer: *Public Health Ethics*

Grant review responsibilities:

- 2001 Grant reviewer: National Research Foundation, South Africa.
- 2005 Grant reviewer: Bill and Melinda Gates Foundation.
- 2008 Grant reviewer: Wellcome Trust.
- 2009 Grant reviewer: Genome Canada
- 2009 Grant reviewer: Social Sciences and Humanities Research Council of Canada.

Selected papers at conferences and seminars

1999

1. Singh JA. The Legal Aspects of Human Cloning. Society of Law Teachers of Southern African Conference, Bloemfontein, South Africa, January 1999.
2. Singh JA (co-author: Dada MA). The Medico-legal Aspects of Molecular Medicine (invited speaker). The International Academy of Pathologists Conference, Durban, South Africa, September 1999.

2000

3. Singh JA. Teaching Bioethics from an African Perspective. The Commonwealth Legal Education Association Conference, Adelaide, Australia, April 2000.
4. Singh JA. Informed Consent and Testing for HIV / AIDS - Legal and Ethical Issues (invited speaker). The First South African Conference on HIV Post-Exposure Prophylaxis and Needlestick Injuries, Durban, South Africa, June 2000.

5. Singh JA. The Impact of Chemical and Biological Warfare on Public Health in Southern Africa. Society of Law Teachers of Southern Africa Conference, Durban, South Africa, July 2000.

6. Singh JA. Euthanasia and End of Life Decisions in Critical Care Wards (invited speaker). Combined Congress of the Critical Care Society of Southern Africa and the South African Pulmonology Society (Incorporating The Society of Cardiothoracic Surgeons), Durban, South Africa, July 2000.

7. Singh JA. South Africa's Chemical and Biological Warfare Programme and its Impact on Science, Morality and Humanity. The World Congress on Medical Law, Helsinki, Finland, August, 2000.

8. Singh JA. The Legal and Ethical Status of Assisted Reproductive Techniques in South Africa (invited speaker). National Gynecology and Obstetrics Conference, Durban, South Africa, October 2000.

9. Singh JA. The Issue of Litigation After Birth where there is a Sub-optimum Outcome for the Baby (invited speaker). National Gynecology and Obstetrics Conference, Durban, South Africa, October 2000.

2001

10. Singh JA. The Human Genome Project and Eugenics: Lessons from South Africa. Second International AmFiTan Conference on Developmental Ethics, Tampa, USA, February 2001.

11. Singh JA. Project Coast: South Africa's Biogenocide Program, The Scientific Community and the Role of the United States (invited speaker). Biology Seminar, Washington University in St Louis, USA, February 2001.

12. Singh JA. Globalization and the Spread of CBW Proliferation. Commonwealth Legal Education Association Conference, Colombo, Sri Lanka, December 2001.

13. Singh JA. Information Technology, Globalization and Africanization. Commonwealth Legal Education Association Conference, Colombo, Sri Lanka, December 2001.

2002

14. Singh JA. The Ethical and Legal Implications of Cosmetic Dermatology (invited speaker). South African National Dermatology Conference, Durban, South Africa, April 2002.

15. Singh JA. The Ethical and Legal Implications of Treating HIV Positive Patients for Dermatological Purposes (invited speaker). South African National Dermatology Conference, Durban, South Africa, April 2002.

2003

16. Singh JA. Why there should be no compulsory HIV testing of patients before surgery (invited speaker: debate) International Congress of Surgery, Toronto, Canada, May 2003 [cancelled because of SARS].

17. Singh JA. Ethical issues in AIDS therapy (invited speaker). 1st South African National AIDS Conference, Durban, South Africa, August 2003.

18. Singh JA. How national disregard for International Humanitarian Law can create dual loyalty conflicts of interests for military physicians (invited speaker). 5th Course on International Law of Armed Conflict organized by the International Committee of Military Medicine, Spietz, Switzerland, August 2003.

19. Singh JA. Challenges of gathering and using evidence in the developing world (invited speaker). American Bioethics and Humanities Association / Canadian Bioethics Society Conference, Montreal, Canada, October 2003.

2004

20. Singh JA. Ethical-legal regulation of research in South Africa: Implications for HIV vaccine trials (invited speaker). South African AIDS Vaccine Initiative (SAAVI) seminar, Karridene, South Africa, June 2004.

21. Singh JA. A summary of the standard of care debate (invited speaker). MRC/HIV Aids Network (HIVAN) AIDS forum, Durban, Pietermaritzburg, Mtunzini, South Africa, June 2004.

22. Singh JA. Legislative provisions in South Africa to protect research participants (invited speaker). Human Sciences Research Council (HSRC) Conference, Pretoria, South Africa, July 2004.

23. Singh JA. Ethical issues in HIV/AIDS research: standards of care in the post-HIV ARV rollout world (invited speaker). International Research Ethics Network of SA (IRENSA) seminar, Cape Town, South Africa, August 2004.

24. Singh J.A. Dual loyalty and constitutional implications of restrictive managed care practices (invited speaker). Managed Care Coalition Conference, Johannesburg, South Africa, August 2004.

25. Singh JA. Should disclosure of medical errors be made compulsory? (Invited speaker). 20th South African Thoracic Society Congress, Durban, South Africa, August 2004.

26. Singh JA. Are *a//* HIV+ patients legally entitled to receive ARV therapy? (Invited speaker). 24th Medicine Update Symposium, Durban, South Africa, September 2004.

27. Singh JA. Dual use technology and bio-weapon proliferation: lessons from South Africa (invited speaker). US National Academies of Sciences workshop on Advancing Technologies and Strategies for Managing Dual Use Risk. Cuernavaca, Mexico, September 2004.

28. Singh JA and Govender M. Clinical practice and resource allocation: ethical dilemmas in a South African setting (Invited Speaker). Paediatrics Department Grand Rounds, Nelson R. Mandela School of Medicine, Durban, South Africa, September 2004.

29. Singh JA. Implications of the National Health Act, 61 of 2003, for service providers (Invited Speaker). Infection Control Society KZN Symposium, Albert Luthuli Hospital, Durban, South Africa, October 2004.

30. Singh JA. HIV / AIDS and Informed Consent – Legal and Ethical Considerations (Invited Speaker). Global Fund workshop on Occupational Health and Safety, Durban, South Africa, October 2004.

31. Singh JA. HIV / AIDS and Confidentiality - Legal and Ethical Considerations (Invited Speaker). Global Fund workshop on Occupational Health and Safety, Durban, South Africa, October 2004.

32. Singh JA. Ethics and HIV care. (Invited speaker). First Annual Provincial Summit on HIV and AIDS in the Workplace, Durban, South Africa, November 2004.

33. Singh JA. Medical malpractice and the implications of the National Health Act, 61 of 2003 (Invited Speaker), Addington Hospital, Durban, South Africa, November 2004.

2005

34. Singh JA (co-presenters: Gengiah T, Carrera H) The process of research ethics regulation (invited speakers). UNAIDS Southern and Eastern African Regional Consultation: Creating effective partnerships for clinical trials, Durban, South Africa, April 2005.

35. Singh JA. An overview of challenges and issues in the HIV prevention trial informed consent process (invited speaker). Population Council workshop on informed consent in HIV prevention trials, New York, USA, May 2005.

36. Singh JA. HIV/AIDS and confidentiality: duties of health workers and support staff (invited speaker). Addington Hospital, Durban, South Africa, May 2005).

37. Singh JA. Law and ethics for the pharmacist (invited speaker). Professional training seminar for pharmacists, Westville, Durban, South Africa, May 2005.

38. Singh JA. Ethical issues in the management of HIV (invited speaker). KZN Managed Care Coalition AGM and Conference, Durban, South Africa, May 2005.

39. Singh JA. Research ethics review and regulation in South Africa. Genome Canada conference on research ethics regulation (invited speaker), Toronto, Canada, June 2005.

40. Singh JA. Informed consent in South Africa. Addington Hospital seminar, Durban, South Africa, June 2005.

41. Singh JA. International humanitarian law, clinical ethics guidelines, and the treatment of political detainees (invited speaker). Islamic Medical Association Conference, Durban, South Africa, July 2005.

42. Singh JA. Children's rights: problems, gaps and opportunities for law reform (invited speaker). HAVEG Children's Forum, Durban, South Africa, July 2005

43. Singh JA. HIV/AIDS: confidentiality and disclosure in respect of adult and pediatric patients (invited speaker). Addington Hospital Seminar, Durban, South Africa, July 2005.

44. Singh JA. Sterilizing the mentally incompetent in South Africa: legal and ethical considerations (invited speaker). Gynecology Association Seminar, Durban, South Africa, July 2005.

45. Singh JA. International Humanitarian Law and dual loyalty obligations (invited speaker). 7th Course on International Law of Armed Conflict organized by the International Committee of Military Medicine, Spiez, Switzerland, August 2005.
46. Singh JA. Ethics and HIV care in the workplace. Development of an HIV/AIDS Programme (invited speaker). KwaZulu-Natal Provincial Workshop, Durban, South Africa, September 2005.
47. Singh JA. Ethical issues in suicide prevention research: a critical analysis of a proposed suicide study in Durban (invited speaker). International Association of Suicide Prevention Conference, Durban, South Africa, September 2005.
48. Singh JA. Bio-security: Lessons from South Africa (invited speaker). The 1st Workshop on the Global Bargain for Bio-security and Health, Kampala, Uganda, September 2005.
49. Singh JA. The various grounds for disputes relating to HIV/AIDS in the workplace, namely, unfair dismissal, unfair labour practice; unfair discrimination, and their respective dispute resolution paths (invited speaker). Annual Seminar on HIV/AIDS and the workplace sponsored by the Global Fund for AIDS, TB and Malaria / CCMA / Durban Chamber of Commerce. Durban, South Africa, October 2005.
50. Singh JA. How questionable political, scientific and legal ideology can compromise the ethical practice of HIV/AIDS research: the case of South Africa (invited speaker). Global Research Ethics: Protecting participants across the world and across cultures. Seminar of the Association of Research Ethics Committees, London, UK, November 2005.
51. Singh JA. Complying with United Nations Security Council Resolution 1540: challenges it poses to developing countries (invited speaker). Workshop on Assisting States to Effectively Fulfill UNSCR 1540's Legal Requirements, New York City, USA, November 2005.

2006

52. Singh JA. Ethical issues in research involving public health, health systems, and health services: how the judiciary can impose minimum standards of ethics – the experience of South Africa (invited speaker). Seventh Global Forum for Bioethics in Research, Karachi, Pakistan, February 2006.
53. Singh JA. How the slow ARV rollout in public hospitals is impacting on standards of care in South Africa's HIV research environment (invited speaker). Transforming Public Hospitals in South Africa Conference, Johannesburg, South Africa, March 2006.
54. Singh JA. Ethical issues in physiotherapy practice (invited speaker). National Physiotherapy Forum, Durban, South Africa. May 2006.
55. Singh JA. Ethical issues in cluster randomized clinical trials (invited speaker). Aurum Institute for Health Research Seminar, Johannesburg, South Africa, June 2006.
56. Singh JA. Medical negligence and neo-natal wards (invited speaker). Empangeni Hospital Seminar, Empangeni, South Africa, May 2006.
57. Singh JA. Hospital ethics committees: composition, functions, and powers (invited speaker). Empangeni Hospital Seminar, Empangeni, South Africa, May 2006.

58. Singh JA. Major unanswered ethical, social, cultural and legal research questions or gaps that, if adequately answered, could result in substantial improvements in HIV prevention [i.e. reduced transmission] (invited speaker). World AIDS Conference, Toronto, August 2006.

59. Singh JA. International Humanitarian Law and dual loyalty obligations (invited speaker). 8th Course on International Law of Armed Conflict organized by the International Committee of Military Medicine, Spiez, Switzerland, August 2006.

60. Singh JA. Withholding surgery and treatment in HIV positive patients (invited speaker). HIV roundtable symposium: cardiothoracic surgery on HIV positive patients. Durban, South Africa, August 2006.

61. Singh JA. Major unanswered ethical, social, cultural and legal research questions or gaps that, if adequately answered, could result in substantial improvements in HIV prevention [i.e. reduced transmission] (invited speaker; re-presentation of World AIDS Conference paper to local audience). Durban, South Africa, September 2006.

62. Singh JA. Public engagement: who, what, why, when, how? (symposium organizer and speaker). Grand Challenge #9 symposium on ethical, social, cultural and economic issues, Gates Grand Challenges 2nd Annual Meeting, Washington, USA, October 2006.

63. Singh JA. An overview of the key regulatory developments in 2006 relevant to Grand Challenge #9 projects in Africa (symposium organizer and speaker). Grand Challenge #9 symposium on ethical, social, cultural and economic issues, Gates Grand Challenges 2nd Annual Meeting, Washington, USA, October 2006.

64. Singh JA. Public engagement: who, what, why, when, how? (invited speaker). Grand Challenge #6 (PI: Kauffman) collaborators annual meeting, Kampala, Uganda, November 2006.

65. Singh JA. What constitutes community engagement? (invited speaker). Grand Challenges in Global Health Initiative: Grand Challenge #6 (PI: Kauffman) collaborators annual meeting, Kampala, Uganda, November 2006.

66. Singh JA. Ancillary care responsibilities of researchers. (invited speaker). Grand Challenges in Global Health Initiative: Grand Challenge #6 (PI: Kauffman) collaborators annual meeting, Kampala, Uganda, November 2006.

67. Singh JA. Controlling XDR-TB: legal and ethical considerations (Invited speaker). Grand Rounds presentation, Mandela School of Medicine, Durban, South Africa, November 2006.

2007

68. Singh JA. Cassava and biodiversity. (invited speaker). Cassava Consortium meeting. Danforth Centre, St Louis, USA, Jan 2007.

69. Singh JA. Addressing Ethical, Social, and Cultural Issues related to the Grand Challenges in Global Health Initiative: Grand Challenge #9 activities (invited speaker). Grand Challenge #9 investigators meeting, Nairobi, Kenya, April 2007.

70. Singh JA. Health, race, and wealth disparities in South Africa 13 years after democracy: how the government and civil society is responding (invited speaker). Convergence of Health and Law Conference, Toronto, Canada, May 2007.

71. Singh JA. Humanitarian medicine and malpractice. Medécins Sans Frontières (Switzerland) Annual General Meeting, Geneva, Switzerland, May 2007.
72. Singh JA. An overview of the Bill and Melinda Gates Foundation, the Grand Challenges in Global Health (GCGH) Initiative, and the Ethical, Social, and Cultural Program of the GCGH (invited speaker). Embrapa Seminar, Brasília, Brazil, June 2007.
73. Singh JA. Emergency medicine and informed consent: ethical and legal considerations (invited speaker). Emergency Medicine Update symposium, Durban, South Africa, August, 2007.
74. Singh JA. Medical malpractice and emergency medicine / humanitarian work (invited speaker). Emergency Medicine Update symposium, Durban, South Africa, August, 2007.
75. Singh JA. The pitfalls of medical practice (invited speaker). Addington Hospital seminar, Durban, South Africa, October, 2007.
76. Singh JA. Drug-resistant TB: overview of the South African legal framework and policy (invited speaker). 38th Union World Conference on Lung Health, Cape Town, South Africa, November, 2007.
77. Singh JA. Infection Control measures and Individual rights: An ethical dilemma for medical staff (invited speaker). MSF-Switzerland Symposium, Geneva, Switzerland, December, 2007.

2008

78. Singh JA. "Therapeutic Detention" in an age of suspicion: a developing world perspective (invited speaker). University of Toronto Center for Ethics symposium. Toronto, Canada, February 2008.
79. Singh JA. Use and ownership of tissue (invited speaker). McCords Hospital Seminar, Durban, South Africa, April 2008.
80. Singh JA. Developments in the social sciences and humanities regarding genomics and biotechnology in South Africa (invited speaker). Genome Canada Seminar, Calgary, Canada, May 2008.
81. Singh JA. The interface between health research ethics, public health ethics, and human rights (invited speaker). African Malaria Network (AMANET) Advanced Health Research Ethics Workshop. Dar es Salaam, Tanzania, June 2008.
82. Singh JA. Legal liability of research ethics committees and researchers (invited speaker). African Malaria Network (AMANET) Advanced Health Research Ethics Workshop. Dar es Salaam, Tanzania, June 2008.
83. Singh JA. Using the courts to challenge irrational decisions pertaining to health research (invites speaker). African Malaria Network (AMANET) Advanced Health Research Ethics Workshop. Dar es Salaam, Tanzania, June 2008.
84. Singh JA. Legal liability of MSF's research ethics committees and MSF researchers (invited speaker). MSF Research Ethics Committee and Medical Director's meeting, Barcelona, Spain, July 2008.
85. Singh JA. Gender equity, ethics, health (invited speaker). Intellectual Property and Access to Medicines Certificate Course, Durban, South Africa, July 2008.

86. Singh JA. Global health, global health ethics, and the Millennium Development Goals (invited speaker). Intellectual Property and Access to Medicines Certificate Course, Durban, South Africa, July 2008.

87. Singh JA. Health and human rights (invited speaker). Intellectual Property and Access to Medicines Certificate Course, Durban, South Africa, July 2008.

88. Singh JA. The pitfalls of medical practice (invited speaker). Addington Hospital seminar, Durban, South Africa, August 2008.

89. Singh JA. Confidentiality and psychiatry (invited speaker). World Psychiatry Day Seminar, Pietermaritzburg, South Africa, October 2008.

90. Singh JA. Health, human rights, and ethics (invited speaker and panelist). WHO/UN Global Ministerial Forum on Research, Bamako, Mali, November 2008.

91. Singh JA. How human rights, health law, and the judiciary can enhance protection of human participants in biomedical research: lessons from South Africa (invited speaker). United Nations Interregional Crime and Justice Research Institute Roundtable of Experts Discussion on African Health Research, Rome, Italy, December 2008.

2009

92. Singh JA. Ethical, legal, social, and cultural challenges in researching XDR-TB (invited speaker). University of Toronto Joint Centre for Bioethics Seminar, Toronto, Canada, February 2009.

93. Singh JA. Post-trial: access to results and availability of outcomes (invited speaker). WHO/UNAIDS workshop on Addressing the Ethical Challenges in Research: working with the revised 'Ethical Considerations in Biomedical HIV Prevention Trials Guidance' and 'Good Participatory Practice Guidelines for Biomedical HIV Prevention Trials', Durban, South Africa, March 2009.

94. Singh JA. Male circumcision as a (compulsory) component of a HIV prevention package in a HIV prevention trial (invited speaker). UNAIDS/ Global Campaign for Microbicides / US Centres for Disease Control Consultation on Standards of Prevention in HIV Prevention Trials, Kampala. Uganda, March 2009.

95. Singh JA. Research ethics: an overview (invited speaker). Department of Surgery Research Day symposium, Albert Luthuli Hospital, Durban, South Africa, April 2009.

96. Singh JA. HIV/AIDS research and the law. Research Ethics Symposium. Nelson Mandela University, Port Elizabeth. South Africa, April 2009.

97. Singh JA. Are we making progress with the current medical and ethical approaches to HIV/AIDS? (invited speaker). University of Zululand Higher Education and Sector HIV and AIDS Conference, Richards Bay, South Africa, May 2009.

98. Singh JA. Mandatory reporting of medical errors: legal implications (invited speaker). KZN Managed Care Coalition Annual Conference, Durban, South Africa, May, 2009.

99. Singh JA. Researching the quarantined and isolated: legal, human rights, ethical, social, cultural, and other implications (invited speaker). World Health Organisation

workshop on research ethics in international epidemic response, WHO Headquarters, Geneva, Switzerland, June 2009.

100. Singh JA. Ethical considerations for TB trials in children in resource-limited settings (invited speaker). US National Institutes of Health Workshop on the involvement of children in TB drug development, Washington, USA, July 2009.

Poster presentations

1. Pinto A and Singh JA. Community engagement in microbicide trials. World AIDS Conference, Mexico City, Mexico, August 2008.

Other creative endeavors

Academia-related (post 2005 only)

2005

1. Global Forum for Bioethics: What happens when the research is over? Wellcome Trust Symposium, Malawi, March 2005 (session chair).

2. The 1st Workshop on the Global Bargain for Bio-security and Health, New York Academy of Sciences, New York, USA, November 2005 (drafting of the Kampala Compact).

3. The 2nd Workshop on the Global Bargain for Bio-security and Health, New York Academy of Sciences, New York, USA, November 2005 (drafting of the Kampala Compact).

4. Addressing Social, Cultural and Ethical Issues in the Grand Challenges in Global Health Initiative, Bill and Melinda Gates Foundation, Seattle, USA, November 2005 (session chair).

5. Informed consent in genetic epidemiology malaria research, Gates Grand Challenges Project, Bamako, Mali, February 2006 (session chair).

2006

1. World AIDS Conference (session chair), August 2006.

2007

1. Gates Foundation Grand Challenges in Global Health Initiative, Grand Challenge #9 meeting on socio-economic issues (symposium organiser and session chair), October 2007.

2009

1. South African National AIDS Conference (session chair), Durban, South Africa, April 2009.

2. World Health Organisation (WHO) meeting on research ethics in international epidemic response (session chair), WHO Headquarters, Geneva, Switzerland, June 2009

Popular media

2000

1. Live radio interview: Medical Malpractice. *Legal-Online*: Radio Lotus: 8.30pm-10.00pm (July 04, 2000).
2. Live radio interview: Euthanasia. *Legal-Online*: Radio Lotus: 8.30pm – 10.00pm, (August 01, 2000).

2002

3. Pre-recorded radio interview: Human organ sales. *Newswatch*: East-Coast Radio: 12.30pm; 1.30pm; 2.30pm (August 13, 2002).

2004

4. Live television debate: Why reproductive human cloning should be permitted. *The Big Question*: SABC 2: 12pm-1pm, July 11, 2004.
5. Newspaper interview: The importance of ethics in research: *Daily News*: July 23, 2004.
6. Newspaper interview: The importance of ethics in research – *IsiZulu* translation: *Isolezwe*: July 26, 2004.
7. Live radio interview: Confidentiality and disclosures in health care practice. *Medical Ethics*: Radio Al Ansar: 3-4pm, September 04, 2004.

2005

8. Radio interview on the patenting of human genes - ethical and legal implications: *SAFM*: 9-10pm, November 14, 2005.

2006

9. Magazine interview on the Grand Challenges in Global Health Initiative. *Research and Innovation at the University of Toronto*, Spring 2006: 7(2). Accessible: <http://www.research.utoronto.ca/edge/spring2006/1.html>

2007

9. MSF webcast interview: XDR-TB: <http://www.msf.ch/index.php?id=892>: MSF, Geneva, December 20, 2007.

2008

10. Live radio interview: The ethics and legality of involuntary detention for non-compliant XDR-TB patients. *Radio 702*: 10.30-10.40am January 17, 2008.

2009

11. University of Toronto Joint Centre for Bioethics (JCB) seminar webcast: Researching XDR-TB: Ethical, Legal, Social and Cultural Challenges:

<http://epresence.ehealthinnovation.org/epresence/1/watch/301.aspx>: JCB, Toronto,
February 11, 2009.

Publications

* indicates Singh JA as first author

Original articles

Published articles

1999

1. * Singh J.A. Freedom of Expression: The Constitutionality of a Ban on Human Cloning in the Context of a Scientist's Guaranteed Right to Freedom of Scientific Research. *The Journal of Contemporary Roman-Dutch Law (THRHR)* 1999; 62; 4: 577-591.

2000

2. * Singh J.A. Preventative Diplomacy as a Mechanism for Resolving Rates Disputes. *Butterworths Property Law Digest* 2000; 4; 1: 7-13.

2001

3. Dada M.A and Singh J.A. Medico-legal Aspects of Molecular Medicine. *East African Journal of Molecular Medicine* 2001; 78; 7. Supplement.

4. * Singh J.A. The Ethics of HIV Vaccine Trials: International Guidelines. *AIDS Legal Quarterly* 2001; September: 7.

2002

5. * Singh J.A. The Ethics of Cosmetic Dermatology' *South African Dermatology Review*. 2002; 2; 3: 49-51.

6. * Singh J.A. and Singer P.A. Isolationism is not the answer to Bio-terrorism. *Nature* 2002; 420: 605.

2003

7. * Singh J.A. Work on non-lethal weapons should be limited too. *Nature* 2003; 422: 122.

8. * Singh J.A. and DePellegrin T.L. Images of war and medical ethics. *British Medical Journal* 2003; 326: 774-775.

9. * Singh J.A. and DePellegrin T. Images of war and medical ethics. *BMJUSA* 2003; 3: 335-336. [Republished under "Debate and Education" section]

10. * Singh J.A. and DePellegrin T. The authors respond. *BMJUSA* 2003; 3: 336. [letter]

11. * Singh J.A. SARS, a challenge from the South. *Nature* 2003; 423: 585.

12. Lemmens T and Singh J.A. Moral duty but also self-interest require a greater commitment to the South. *Canadian Bioethics Society Newsletter* 2003; 8 (2) 5-7.

13. * Singh J.A. American physicians and dual loyalty obligations in the "war on terrorism". *BMC Medical Ethics* 2003; 4:4: 1-10.

14. * Singh J.A. Military tribunals at Guantanamo Bay: dual loyalty conflicts. *Lancet* 2003; 362: 573.

15. * Singh J.A, Nkala B, Amuah, E, Mehta N, Ahmad N. The ethics of nurse-poaching from the developing world. *Nursing Ethics* 2003; 10 (6): 667-671.

16. * Singh J.A. Is donor aid allocation to Iraq fair? *Lancet* 2003; 362: 1672-3.

2004

17. * Singh J.A. Politics in medical journals: author reply. *Lancet* 2004; 363: 328-329.

18. * Singh J.A. Health research and human rights in South Africa. *Lancet* 2004; 363: 1393.

19. * Singh J.A. Ten year review of research in South Africa. *Nature* 2004; 428: 891.

20. Lemmens T, Sprumont D, Nys H, Singh JA, Cranley Glass. CIOMS' placebo rule and the promotion of negligent malpractice. *European Journal of Health Law* 2004; 11(2): 153-174.

21. * Singh J.A. Genocide: burden of proof and inaction is costing lives in Sudan. *Lancet* 2004; 364: 230-231.

22. * Singh J.A. Standards of care in the antiretroviral rollout world. *Lancet* 2004; 364: 920-921.

23. * Singh J.A. The implications of the National Health Act for research in South Africa. *South African Research Ethics Committee Newsletter* 2004; Vol. 1(2) 6-8.

24. * Singh J.A. Why AIDS in South Africa threatens stability and economic growth in other parts of Africa. *Lancet* 2004; 364: 1919-1921.

2005

25. * Singh JA and Mills EJ. The abandoned trails of pre-exposure prophylaxis for HIV: what went wrong? *PLoS Medicine* 2005; 2(9):e234: 0101-0104.

26. * Singh JA. Zimbabwe: health and human rights should trump African solidarity. *Lancet* 2005; 366: 964-966.

27. Mills JM, Singh S, Singh JA, Orbinski J, Warren M, Upshur R. Early lessons from HIV prevention trials that stopped. Designing research in vulnerable populations. *British Medical Journal* 2005; 331; 1403-1406.

28. * Singh JA, Govender M, and Reddy N. South Africa a decade after apartheid: realising health through human rights. *Georgetown Journal of Poverty Law and Policy* 2005; XII; 3: 355-388.

2006

29. * Singh JA. How over-protectionism can evidence unethical outcomes: examples from South Africa *Research Ethics Review* 2006; 2(2): 63-66.

30. * Singh JA, Abdool Karim SS, Abdool Karim Q, Mlisana K, Williamson C, Gray C, Govender M, Gray A. Enrolling adolescents in research on HIV and other sensitive issues: lessons from South Africa. *PLoS Medicine* 2006; 3(7): e180.
31. * Singh JA. The vital importance of implementation ethics. *The Hastings Center Report*. May/June 2006; 3.
32. Chan A, Upshur R, Singh JA, Altman Ghersi D, Chapuis F, Altman DG. Waiving confidentiality for the greater good? *British Medical Journal* 2006; 332:1086-1089.
33. Strode A, Slack C, Singh JA, Grant C, Stobie M. Balancing protection and empowerment in the regulation of child research: some South African reflections. *Asia-Pacific Biotech News* 2006: Vol. 10; No. 11: 588-591.
34. * Singh JA. Post 9/11: Treating war detainees and terror suspects: legal and ethical responsibilities of physicians serving in the armed forces. *JIMASA* 2006; 13;1: 2-13.
- 2007**
35. * Singh JA, Upshur R, Padayatchi N. XDR-TB in South Africa: No time for denial or complacency. *PLoS Med* 2007; 4(1): e50. doi:10.1371/journal.pmed.0040050.
36. Strode AE, Slack CM, Wassenaar DR, Singh JA. One step forward, two steps back – requiring ministerial approval for all ‘non-therapeutic’ health research involving minors. *SAMJ* 2007; 97; 3: 200-202.
37. * Singh JA. Isolating TB patients: prevention better than cure. *SciDevNet*, July 4, 2007. Available online: <http://www.scidev.net/en/opinions/isolating-tb-patients-prevention-better-than-cure.html>
38. * Singh JA, Govender M, Mills E. Do human rights matter to health? *Lancet* 2007; 370: 521-526.
39. Singer PA, Taylor AD, Daar AS, Upshur REG, Singh JA, Lavery J. Grand Challenges in Global Health: The Ethical, Social and Cultural Program. *PLoS Medicine* 2007;4(9): e265. doi:10.1371/journal.pmed.0040265.
40. Berndtson K, Daid T, Tracey SE, Bhan A, Cohen E, Upshur REG, Singh JA, Daar AS, Lavery JV and Singer PA. Grand Challenges in Global Health: ethical, social, and cultural issues based on key informant perspectives. *PLoS Medicine* 2007;4(9): e268. doi:10.1371/journal.pmed.0040268.
41. Bhan A, Singh JA, Upshur REG, Singer PA, and Daar AS. Grand Challenges in Global Health: Engaging civil society organizations in biomedical research in developing countries. *PLoS Medicine* 2007;4(9):e272. doi:10.1371/journal.pmed.0040272.
42. Tindana PO, Singh JA, Tracy SE, Upshur REG, Daar AS, Singer PA, Frohlich J, Lavery JC. Grand Challenges in Global Health: Community engagement in research in developing countries. *PLoS Medicine* 2007;4(9):e273. doi:10.1371/journal.pmed.0040273.
43. * Singh JA. Treating war detainees and terror suspects: legal and ethical responsibilities of military physicians. *Military Medicine* 2007;172; Dec Supplement:15-21.

2008

44. * Singh JA and Daar AS. The 20-year African biotech plan. *Nature Biotechnology* 2008; 26(3):272-274.
45. * Singh JA. Eugenics in apartheid South Africa. *Endeavour* 2008; 32(1) 5-9.
46. Cohen ER, Masum H, Berndtson K, Saunders V, Hadfield T, Panjwani D, Persad DL, Minhas GS, Daar AS, Singh JA, Singer PA. Public engagement on global health challenges. *BMC Public Health*. 2008 May 20;8:168.
<http://www.biomedcentral.com/1471-2458/8/168>
47. * Singh JA. The ethics and legality of traditional healers performing HIV testing. *Southern African Journal of HIV Medicine* Summer 2008: 23-26.

2009

48. Upshur, Singh JA, Ford N, Apocalypse or Redemption: Responding to XDR-TB. *Bull World Health Organ* 2009;87:000–000 | doi:10.2471/BLT.08.051698.
49. Lavery JV, Ridzon R, Singh JA, Slutsky AS, Anisko JJ, Singer PA. In global health research, is it legitimate to stop clinical trials early on account of their opportunity costs? *PLoS Medicine* 6(6): e1000071.doi:10.1371/journal.pmed.1000071.
50. * Singh JA, Bandewar S, Singer PA. Sex, gender, and health biotechnology: points to consider. *BMC International Health and Human Rights* 2009, 9:15 doi:10.1186/1472-698X-9-15.
51. * Schopper D, Upshur R, Matthys F, Singh JA, Bandewar SS, et al. (2009) Research Ethics Review in Humanitarian Contexts: The Experience of the Independent Ethics Review Board of Me'decins Sans Frontie`res. *PLoS Med* 6(7): e1000115. doi:10.1371/journal.pmed.1000115
52. * Singh, J.A. Using the courts to challenge irrational health research policies and administrative decisions. *Acta Trop.* (2009), doi:10.1016/j.actatropica.2009.07.035
53. * Singh, J.A. Research and legal liability. *Acta Tropica* 112S (2009) S71–S75.
54. * Singh JA. Using the courts to challenge irrational research policies and decisions. *Acta Tropica* 112S (2009) S76–S79

In press

55. * Singh JA. Organ transplantation between HIV-infected patients. (in press: *Lancet*).
56. * Singh JA and Daar AS. Data sharing and research output governance in multi-country, multi-institutional collaborations (in press: *The Human Genome Organisation Journal*).

Submitted / In preparation

57. * Singh, JA, Daar, AS, and Singer, PA. Shared principles of ethics on complementary feeding products for infants and children in the developing world (in preparation)

Chapters and books

Published Chapters

1999

1. McQuoid-Mason D.J and Singh J.A. Medicine, Dentistry, Pharmacy and other Health Professions. In: WA Joubert (ed) *The Law of South Africa*. Vol. 17 R. Durban: Butterworths: 1999: 129-230.

2001

2. * Singh J.A and Ngwena C. Bioethics. In: Dada MA, McQuoid-Mason DJ (eds.) *Introduction to Medico-Legal Practice*. Durban: Butterworths: 2001: 33-52.

2002

3. * Singh J.A. E-Commerce in South Africa – A Consideration of Selective Issues. In: Fitzgerald A. and Moens A. (eds.) *International E-Commerce Regulation*. Brisbane, Australia: Thomson Lawbook Co: 2002: 341-353.

4. McQuoid-Mason D.J and Singh J.A. Veterinary Practice. In: Joubert W.A. (ed) *The Law of South Africa*. Vol. 30. Durban: Butterworths: 2002: 147-175.

2003

5. * Singh J.A. Electronic Payment Systems in South Africa – Current State of Play. In: Mendez-Vilas A, González J.A.M, Bote V.G and Alonso F.Z (eds.) *Techno-Legal Aspects of Information Society and New Economy: An Overview*. Vol. 1. Badajoz, Spain: Formatex Publishers: 2003: 116-119.

2005

6. * Singh J.A. AIDS: the impact on ethics. In: Abdool Karim SS and Abdool Karim Q. *HIV/AIDS in South Africa*. Cape Town: Cambridge University Press: 2005: 346-366.

7. * Singh J.A. Stem cell research in South Africa. In: Bender W. Hauskeller C. Manzei A. (ed.) *Crossing Borders. Cultural, Religious and Political Differences Concerning Stem Cell Research*. Munster, Germany: Agenda Verlag: 2005: 225-237.

8. Gray A, Govender M, Gengiah T & Singh JA. Health legislation: 2004/5. In: *South African Health Review 2004/5*. Durban: Health Systems Trust: 2005: 16-30.

2007

9. * Singh JA. Could investigators foresee the outcome of the Tigray Malaria trial. In: Lavery JV, Wahl E, Grady C & Emanuel EJ (eds.) *Ethical issues in International Biomedical Research*. New York: Oxford University Press: 2007: 126-130.

10. * Singh JA. Epidemiology: ethics, advocacy and human rights. In: Joubert G and Ehrlich (exec eds.) *Epidemiology: a research manual for South Africa*. Cape Town: Oxford University Press: 2007: 30-38.

2008

11. * Singh JA. Physicians and torture. In Singer PA and Viens A (eds.). *The Cambridge Textbook on Bioethics*. London: Cambridge University Press: 2008: 350-358.

12. * Singh JA. Humanitarian work and infection control: legal, ethical, human rights, and social considerations. In Biquet J-M (ed.). *Humanitarian Stakes No. 1: MSF Switzerland's Review on Humanitarian Stakes and Practices*. Geneva: MSF: 2008: 12-22.

2009

13. * Singh J.A. AIDS: the impact on ethics. In: Abdool Karim SS and Abdool Karim Q. *HIV/AIDS in South Africa*. 2nd ed. Cape Town: Cambridge University Press: 2009: (in press).

14. * Singh JA. Adolescent sexuality and ethics. In Colt H and Quadrelli S (eds). *Picture of Health: Medical Ethics and the Movies* (Oxford University Press: in preparation).

Technical reports

2004

1. * Singh JA and Strode AE. A Comparative International Analysis of Health Systems and Research Regulation Schemes: An Analysis of South Africa's Health Systems and Research Regulation Schemes 2004: 1-50. Report for Genome Canada.

2005

2. * Singh JA (co-authors: Abdool-Karim A, Baxter C, and Mellors S) Creating effective partnerships for clinical trials: Report on the UNAIDS Southern and Eastern African Regional Consultation workshop: Durban, South Africa, 24 – 26 April 2005. Report for UNAIDS.

2009

3. * Singh JA. Public health legislation in South Africa: constitutionality, obsolescence, and redundancy. Report for the South African Law Reform Commission. January 2009.

4. * Singh JA (co-authors Larry Gostin and Oscar Cabrera). Ethical, human rights, and legal issues in managing drug-resistant TB. Report for the World Health Organisation (as members of the WHO Task Force on Addressing Ethical Issues in TB Control Programmes). February 2009.

Online publications: response to letters

2003

1. * Singh J.A and Depellegrin T. Re: Islamic ethics and war.
<http://bmj.com/cgi/eletters/326/7393/774#31193>. 13 April 2003.

2. * Singh J.A and Depellegrin T. Re: Images of war - the other side.
<http://bmj.com/cgi/eletters/326/7393/774#31193>. 13 April 2003.

3. * Singh J.A and Depellegrin T. Re: Images of war must be shown. <http://bmj.com/cgi/eletters/326/7393/774#31193>. 13 April 2003.
4. * Singh J.A and Depellegrin T. Re: Shallow Criticism. <http://bmj.com/cgi/eletters/326/7393/774#31193>. 13 April 2003.

Popular media publications

2003

1. * Singh J.A. Weapons of Mass Destruction. *National Geographic* 2003; March: vi [Forum].

Abstracts, minor contributions to books, collected conference proceedings

1999

1. * Singh J.A. Scenarios. In: McQuoid Mason D.J and Dada M.A (eds.). *Guide to Forensic Medicine and Medical Law*. Independent Medico-legal Unit, Durban: 1999: 93-94.

2000

2. * Singh J.A. Teaching Bioethics from an African Perspective. *Book of Proceedings of the 2000 Commonwealth Legal Education Association Conference*. April 2000: 1-15 (loose-leaf collection).
3. * Singh J.A. Informed Consent and Testing for HIV/AIDS – Legal and Ethical Issues: Scenarios. *Book of Proceedings of the First South African Conference on Post-Exposure Prophylaxis and Needlestick Injuries*. June 2000: 24–25.
4. * Singh J.A. South Africa's Chemical and Biological Warfare Programme and its Impact of Science, Morality and Humanity. *Book of Proceedings of the 2000 World Congress on Medical Law*. August 2000: 1067.
5. * Singh J.A. After Birth where there is a Sub-optimal Outcome for the Baby. *Book of Proceedings of the 2000 National Gynecology and Obstetrics Conference*. October 2000: 7.

2004

6. * Singh JA. Are *all* HIV+ patients legally entitled to receive ARV therapy? *24th Medicine Update Symposium Book of Proceedings*, September 2004: 63-69.

References

On request