

Bibliography

- Abbott, F M (1998) 'First Report to the Committee on International Trade Law of the International Law Association on the Subject of Parallel Importation' (1) *Journal of International Economic Law* 607–36
- Abbott, F M (2002) 'The Doha Declaration on the TRIPS Agreement and Public Health: Lighting a Dark Corner at the WTO' 5(2) *Journal of International Economic Law* 469–505
- Abbott, F M (2005) 'Managing the Hydra: The Herculean Task of Ensuring Access to Essential Medicines' in K E Maskus and J H Reichman (eds), *International Public Goods and Transfer of Technology under a Globalized Intellectual Property System* (Cambridge: Cambridge University Press), pp. 393–425
- Abraham, J (1995) *Science, Politics and the Pharmaceutical Industry: Controversy and Bias in Drug Regulation* (London: UCL Press)
- Abraham, J (2010) 'Pharmaceuticalization of Society in Context: Theoretical, Empirical and Health Dimensions' 44(4) *Sociology* 603–22
- Adewopo, A (2002) 'Global Intellectual Property System and Sub-Saharan Africa: A Prognostic Reflection' 33 *Toledo Law Review* 749–71
- Akrich, M and B Latour (1992) 'A Convenient Vocabulary for the Semiotics of Human and Non-human Actors' in W Bijker and J Law (eds), *Shaping Technology, Building Society: Studies in Sociotechnological Change* (Cambridge MA: MIT Press), pp. 205–24
- Amsterdamska, O (1990) 'Surely, You Must be Joking, Monsieur Latour!' 15 *Science, Technology and Human Values* 495–504
- Anderson, T (2009) 'Confusion over Counterfeit Drugs in Uganda' 373 (9681) *The Lancet* 2097–8
- Anderson, W (2002) 'Introduction: Postcolonial Technoscience' 32(5/6) *Social Studies of Science* 643–58
- Anderson, W and V Adams (2008) 'Pramoedy's Chickens: Postcolonial Studies of Technoscience' in E J Hackett, O Amsterdamska, M Lynch and J Wajcman (eds), *The Handbook of Science and Technology Studies* (Cambridge MA: MIT Press) (3rd edn), pp. 181–204
- Association of the British Pharmaceutical Industry, *Code of Practice for the Pharmaceutical Industry* (2012 edn) www.abpi.org.uk/our-work/library/guidelines/Pages/code-2012.aspx
- Attaran, A (2004) 'How do Patents and Economic Policies Affect Access to Essential Medicines in Developing Countries?' 23(3) *Health Affairs* 155–66
- Attaran A, R Bate and M Kendall (2011) 9(2) 'Why and How to Make an International Crime of Medicines Counterfeiting' *Journal of International Criminal Justice* 325–54
- Attaran A and L Gillepsie-White (2001) 'Do Patents for Antiretroviral Drugs Constrain Access to AIDS Treatment in Africa?' 286 *JAMA* 1888–91
- Bala, K, O Lanza and S R Kaur (1998) 'Retail Drug Prices: The Law of the Jungle' (April) *HAI News* 1–16
- Bala, K and K Sagoo (2000) 'Patents and Prices' (April/May) *HAI News* 1–9
- Balasubramaniam, K (2002) 'Patents, Prices and Public Policy' in P Drahos and R Mayne (eds), *Global Intellectual Property Rights: Knowledge, Access and Development* (London: Palgrave MacMillan), pp. 90–107
- Bale, H E (1997) 'Patent Protection and Pharmaceutical Innovation' 29(1/2) *New York University Journal of International Law and Politics* 95–107

- Bale, H E (1998) 'The Conflicts between Parallel Trade and Product Access and Innovation: The Case of Pharmaceuticals' 4(1) *Journal of International Economic Law* 637–53
- Barad, K (2007) *Meeting the Universe Halfway: Quantum Physics and the Entanglement of Matter and Meaning* (Durham NC: Duke University Press)
- Barnard, D (2002) 'In the High Court of South Africa, Case No 4138/98: The Global Politics of Access to Low-Cost AIDS Drugs in Poor Countries' 12(2) *Kennedy Institute of Ethics Journal* 159–74
- Barrett, S (2004) 'Implementation Studies: Time for a Revival? Personal Reflections on 20 Years of Implementation Studies' 82(2) *Public Administration* 249–62
- Barry, A (2001) *Political Machines: Governing a Technological Society* (London and New York: Athlone Press)
- Barry, A (2002) 'In the Middle of the Network' in J Law and A Mol (eds), *Complexities: Social Studies of Knowledge and Practice* (Durham NC: Duke University Press), pp. 142–65
- Barry, A (2005) 'Pharmaceutical Matters: The Invention of Informed Materials' 22(1) *Theory, Culture and Society* 51–69
- Barry, A and D Slater (2002) 'Technology, Politics and the Market: An Interview with Michel Callon' 31(2) *Economy and Society* 285–306
- Barton, J (2004) 'TRIPS and the Global Pharmaceutical Market' *Health Affairs* 146–54
- Bass, N (2002) 'Implications of the TRIPS Agreement for Developing Countries: Pharmaceutical Patent Laws in Brazil and South Africa in the 21st Century' 34 *George Washington University International Law Review* 191–222
- Bastos, C (1999) *Global Responses to AIDS: Science in Emergency* (Bloomington IN: Indiana University Press)
- Berkman, A, J Garcia, M Muñoz-Laboy, V Paiva and R Parker (2005) 'A Critical Analysis of the Brazilian Response to HIV/AIDS: Lessons Learned for Controlling and Mitigating the Epidemic in Developing Countries' 95(7) *American Journal of Public Health* 1162–72
- Biehl, J (2004) 'The Activist State: Global Pharmaceuticals, AIDS, and Citizenship in Brazil' 22(3) *Social Text* 105–32
- Biehl, J (2007) 'Pharmaceuticalization: AIDS Treatment and Global Health Politics' 80(4) *Anthropological Quarterly* 1083–26
- Biehl, J (2009) *Will to Live: AIDS Therapies and the Politics of Survival* (Princeton NJ: Princeton University Press)
- Bierlich, B (2007) *The Problem of Money: African Agency and Western Medicine in Northern Ghana* (New York: Berghahn Books)
- Black, J (2001) 'Decentring Regulation: Understanding the Role of Regulation and Self Regulation in a "Post-Regulatory" World' 54(1) *Current Legal Problems* 103–46
- Black, J (2002) 'Critical Reflections on Regulation' 27(1) *Australian Journal of Legal Philosophy* 1–35
- Bond, P (1999) 'Globalization, Pharmaceutical Pricing and South African Health Policy: Managing Confrontation with US Firms and Politicians' 29(4) *International Journal of Health Services* 765–92
- Boyle, J (1996) *Shamans, Software and Spleen: Law and the Construction of the Information Society* (Cambridge MA: Harvard University Press)
- Bowker, G (1994) 'What's in a Patent?' in W Bijker and J Law (eds), *Shaping Technology/Building Society: Studies in Sociotechnical Change* (Cambridge MA: MIT Press)
- Braithwaite, J and P Drahos (2002) *Information Feudalism: Who Owns Knowledge Economy* (London: Earthscan)
- Bunker, A (2007) 'Counterfeit Pharmaceuticals, Intellectual Property and Human Health' 89 *Journal of the Patent and Trademark Office* 493

- Callon, M (1986a) 'Some Elements of a Sociology of Translation: Domestication of the Scallops and the Fishermen of Saint Briec Bay' in J Law (ed.), *Power, Action and Belief: A New Sociology of Knowledge?*, Sociological Review Monograph (32) (London: Routledge & Kegan Paul), pp. 196–233
- Callon, M (1986b) 'The Sociology of an Actor-Network: The Case of the Electric Vehicle' in M Callon (ed.), *Mapping the Dynamics of Science and Technology* (London: Macmillan), pp. 19–34
- Callon, M (1991) 'Techno-economic Networks and Irreversibility' in J Law (eds), *A Sociology of Monsters, Essays on Power, Technology and Domination* (London: Routledge), pp. 132–61
- Callon, M (1998) 'An Essay on Framing and Overflowing: Economic Externalities Revisited by Sociology' in M Callon (ed.), *The Laws of the Markets* (Oxford and Keele: Blackwell)
- Callon, M (1999) 'Actor-Network Theory: the Market Test' in J Law and J Hassard (eds), *Actor Network and After* (Oxford and Keele: Blackwell and *Sociological Review*), pp. 181–95
- Callon, M (2007) 'What Does It Mean to Say that Economics is Performative?' in D MacKenzie, F Muniesa and L Siu (eds), *Do Economists Make Markets? On the Performativity of Economics* (Princeton NJ: Princeton University Press), pp. 311–57
- Callon, M and B Latour (1981) 'Unscrewing the Big Leviathan: How Actors Macrostructure Reality and How Sociologists Help Them to Do So' in K D Knorr-Cetina and A V Cicourel (eds), *Advances in Social Theory and Methodology: Toward an Integration of Micro- and Macro-Sociologies* (Boston MA: Routledge), pp. 277–303
- Callon M and B Latour (1992) 'Don't Throw the Baby Out with the Bath School! A Reply to Collins and Yearley' in A Pickering (ed.), *Science as Practice and Culture* (Chicago IL: Chicago University Press), pp. 343–68
- Callon, M and J Law (1995) 'Agency and the Hybrid Collectif' 94 *South Atlantic Quarterly* 481–507
- Callon, M, P Lescoumes and Y Barthe (2009) *Acting in an Uncertain World: An Essay on Technical Democracy* (Cambridge MA: MIT Press)
- Campbell, C (2003) *'Letting Them Die': Why HIV/AIDS Prevention Programmes Fail* (Bloomington IN: Indiana University Press)
- Carpenter, D and D A Tobbell (2011) 'Bioequivalence: The Regulatory Career of a Pharmaceutical Concept' 85(1) *Bulletin of the History of Medicine* 93–131
- Castells, M (1996) *The Rise of the Network Society: The Information Age* (Cambridge MA: Blackwells Publishers)
- Castells, M (2000) 'Materials for an Explanatory Theory of the Network Society' 51(1) *British Journal of Sociology* 5–25
- Chakrabarty, D (2000) *Provincializing Europe: Postcolonial Thought and Historical Difference* (Princeton NJ: Princeton University Press)
- Challu, P M (1995) 'Effects of the Monopolistic Patenting of Medicine in Italy since 1978' 10(2/3) *International Journal of Technology Management* 237–51
- Chaudhuri, S (2005) *The WTO and India's Pharmaceuticals Industry* (New Delhi: Oxford University Press)
- Cloatre, E (2008) 'TRIPS and Pharmaceutical Patents in Djibouti: An ANT Analysis of Socio-legal Objects' 17(2) *Social and Legal Studies* 263–87
- Cloatre, E and R Dingwall (forthcoming) "'Embedded Regulation": The Migration of Objects, Scripts and Governance' *Regulation and Governance*, published in 2012 as Early View (online version of record before inclusion in an issue) <http://onlinelibrary.wiley.com/doi/10.1111/j.1748-5991.2012.01152.x/abstract>
- Cloatre, E and M Pickersgill (forthcoming) 'International Law, Public Health and the Meanings of Pharmaceuticalisation'

- Cohen, J C, M Gyansa-Lutterodt, K Torpey, L C Esmail and G Kurokawa (2005) 'TRIPS, the Doha Declaration and Increasing Access to Medicines: Policy Options for Ghana' 1 *Globalization and Health* 17
- Collins, H M and S Yearley (1992) 'Epistemological Chicken' in A Pickering (ed.), *Science as Practice and Culture* (Chicago IL: Chicago University Press), pp. 301–26
- Comaroff, J and J Comaroff (eds) (1999) *Civil Society and the Political Imagination in Africa* (Chicago IL: University of Chicago Press)
- Correa, C M (1998) 'Implementing the TRIPS Agreement in the Patent Field: Options for Developing Countries' 1(1) *Journal of World Intellectual Property* 75–100
- Correa, C M (2000) *Intellectual Property Rights, the WTO and Developing countries: The TRIPS agreement and policy options* (London: Zed Books)
- Correa, C (2001) 'Public Health and Patent Legislation in Developing Countries' (3) *Tulane Journal of Technology and Intellectual Property* 1–53
- Correa, C (2003) 'TRIPS and Access to Drugs: Towards a Solution for Countries without Manufacturing Capacity' 17 *Emory International Law Review* 389–406
- Cowan, D and H Carr (2008) 'Actor-Network Theory, Implementation and the Private Landlord' 35(1) *Journal of Law and Society* 149–66
- Crampes, C (2000) 'La recherche et la protection des innovations dans le secteur pharmaceutique' (1) *Revue Internationale de Droit Economique*, Numero Special: Brevets pharmaceutiques, Innovation et Sante Publique 125–45
- Cunningham, A and B Andrews (eds) (1997) *Western Medicine as Contested Knowledge* (Manchester: Manchester University Press)
- Das, A and R Jeffery (2009) 'Pharmaceuticals, Physicians and Public Policy: Unravelling the Relationships' 2(1/2/3) *Journal of Health Studies* 6–12
- Davies, K and M Trebilcock (2008) 'The Relationship Between Law and Development: Optimists vs Sceptics' 56(4) *American Journal of Comparative Law* 895–946
- de Laet, M (2000) 'Patents, Travel, Space: Ethnographic Encounters with Objects in Transit' 18(2) *Environment and Planning D: Society and Space* 149–68
- de Laet, M and A Mol (2000) 'The Zimbabwe Bush Pump: Mechanics of a Fluid Technology' 30 *Social Studies of Science* 225–63
- Deere, C (2010) *The Implementation Game: The TRIPS Agreement and the Global Politics of Intellectual Property Reform in Developing Countries* (Oxford: Oxford University Press)
- Dimasi, J A, R Hansen and H Grabowski (2003) 'The Price of Innovation: New Estimates of Drug Development Cost' 22 *Journal of Health Economics* 151–85
- Dinwoodie, G and R Dreyfuss (2009) 'Designing a Global Intellectual Property System Responsive to Change: The WTO, WIPO and Beyond' 26 *Houston Law Review* 1187
- Direction de la Pharmacie et des Laboratoires du Tchad, Ministère de la Santé Publique, République du Tchad (2004) 'Enquête sur le Prix des Médicaments au Tchad' (May) www.haiweb.org/medicinesprices/surveys/200405TD/survey_report.pdf?search=enquete%20sur%20le%20prix%20des%20medicaments%20au%20tchad
- Dolmo, B C (2001) 'Examining Global Access to Essential Pharmaceuticals in the Face of Patent Protection Rights: The South African Example' (7) *Buffalo Human Rights Law Review* 137–60
- Drahos, P (2002) 'Negotiating Intellectual Property Rights: Between Coercion and Dialogue' in P Drahos and R Mayne (eds), *Global Intellectual Property Rights: Knowledge, Access and Development* (London: Palgrave), pp. 161–82
- Drahos, P and J Braithwaite (2002) *Information Feudalism: Who Owns the Knowledge Economy* (London: Earthscan)
- Dray, X, R Dray-Spira, J A Bronstein and D Mattera (2005) 'Séroprévalence des virus de l'immunodéficience humaine et des hépatites B et C parmi les donneurs de sang en République de Djibouti' 65 *Médecine Tropicale* 39–42

- Dutfield, G and D Posay (1996) *Beyond Intellectual Property: Towards Traditional Resources Rights for Indigenous People and Local Communities* (Ottawa: International Development Research Centre)
- Ecks, S and S Basu (2009) 'The Unlicensed Lives of Antidepressants in India: Generic Drugs, Unqualified Practitioners, and Floating Prescriptions' 56(1) *Transcultural Psychiatry* 86–106
- Elam, M (1999) 'Living Dangerously with Bruno Latour in a Hybrid World' 16(4) *Theory, Culture and Society* 1–24
- ElBishlawi, K (2012) 'International Politics Become Involved in the Fight Against Counterfeit Medicines' in A Wertheimer and P Vang (eds), *Counterfeit Medicines: Policy, Economics and Countermeasures* (London: ILM Publications)
- Engelberg, A B (2002) 'Implementing the Doha Declaration: A Potential Strategy for Dealing with Legal and Economic Barriers to Affordable Medicines' www.cptech.org/ip/health/pc/engelberg.html
- Epstein, H (2007) *The Invisible Cure: Africa, the West, and the Fight Against AIDS* (New York: Farrar, Strauss, & Giroux)
- Epstein, S (1996) *Impure Science: AIDS, Activism and the Politics of Knowledge* (Berkeley CA: University of California Press)
- Escobar, A (1994) *Encountering Development: The Making and Unmaking of the Third World* (Princeton NJ: Princeton University Press)
- Farmer, P (1992) *AIDS and Accusation: Haiti and the Geography of Blame* (Berkeley CA: University of California Press)
- Farmer, P (2003) *Pathologies of Power: Health, Human Rights, and the New War on the Poor* (Berkeley CA: University of California Press)
- Fassin, D (1992) *Pouvoir et Maladie en Afrique* (Paris: Presses Universitaires de France)
- Fassin, D (2006) *Quand les Corps se Souviennent: Experiences et Politiques du Sida en Afrique du Sud* (Paris: La Decouverte)
- Faure, J (1999) 'Le Service de Sante des Armees: les defis de la professionalisation', *Rapport d'Information au Senat fait au nom de la commission des Affaires étrangères, de la défense et des forces armées* www.senat.fr/rap/r98-458/r98-458.html
- Fleet, J (2003) 'UN Approach to Access to Essential AIDS Medications, Intellectual Property Law and the WTO TRIPS Agreement' 17 (summer) *Emory International Law Review* 451–66
- Ford, N (2003) 'Patents, Access to Medicines and the Role of Non-governmental Organisations' 1(2) *Journal of Generic Medicines* 137–45
- Fox, R C and E Goemaere (2006) 'They Call it "Patient Selection" in Khayelitsha: The Experience of Médecins sans Frontières-South Africa in Enrolling Patients to Receive Antiretroviral Treatment for HIV/AIDS' 15 *Cambridge Quarterly of Healthcare Ethics* 302–12
- Gervais, D (ed.) (2007) *Intellectual Property, Trade and Development: Strategies to Optimize Economic Development in a TRIPS-Plus Era* (Oxford: Oxford University Press)
- Ghana Ministry of Health (2008) 'A Knowledge, Attitude, Beliefs and Practices Study on Low Generic Medicines Prescribing in Ghana' <http://apps.who.int/medicinedocs/en/m/abstract/Js16498e/>
- Ghosh, S (2002) 'Pills, Patents, and Power: State Creation of Grey Markets as a Limit on Patent Rights' 14(2) *Florida Journal of International Law* 217–60
- Grabowski, H (2002) 'Patents, Innovation and Access to New Pharmaceuticals' 5(4) *Journal of International Economic Law* 849–60
- Grabowski, H G and J M Vernon (1992) 'Brand Loyalty, Entry, and Price Competition after the 1984 Drug Act' 35 *Journal of Law and Economics* 331–50
- Greene, J A (2011a) 'Making Medicines Essential: The Emergent Centrality of Pharmaceuticals in Global Health' 6(1) *BioSocieties* 10–33

- Greene, J A (2011b) 'What's in a Name? Generics and the Persistence of the Pharmaceutical Brand in American Medicine' 66(4) *Journal of the History of Medicine and Allied Sciences* 468–506
- Grubb, P (1999) *Patents for Chemicals, Pharmaceuticals and Biotechnology* (Oxford: Oxford University Press)
- Halbert, D J (2002) 'Moralized Discourses: South Africa's Intellectual Property Fight for Access to AIDS Drugs' 1(fall/winter) *Seattle Journal for Social Justice* 257–88
- Halbert, D J (2005) *Resisting Intellectual Property* (Abingdon: Routledge)
- Hammer, P J (2002) 'Differential Pricing of Essential AIDS Drugs: Markets, Politics and Public Health' 5(4) *Journal of International Economic Law* 883–912
- Hammersley, M and P Atkinson (1995) *Ethnography: Principles and Practice* (London: Routledge)
- Harding, S (1998) *Is Science Multicultural? Postcolonialisms, Feminisms, and Epistemologies* (Bloomington IN: Indiana University Press)
- Harding, S (2008) *Sciences from Below: Feminisms, Postcolonialisms, and Modernities* (Durham NC: Duke University Press)
- Harman, G (2009) *Prince of Networks: Bruno Latour and Metaphysics* (Melbourne: Re-press)
- Hayden, C (2003) 'From Market to Market: Bioprospecting's Idioms of Inclusion' 30(3) *American Ethnomethodologist* 359–71
- Hayden, C (2007) 'A Generic Solution? Pharmaceuticals and the Politics of the Similar in Mexico' 48(4) *Current Anthropology* 475–95
- Hayden, C (2011) 'No Patent, No Generic: Pharmaceutical Access and the Politics of the Copy' in M Biagioli, J P Aszi and M Woodmansee (eds), *Making and Unmaking Intellectual Property: Creative Production in Legal and Cultural Perspective* (Chicago IL: University of Chicago Press), pp. 285–304
- Heath, C (1997) 'Parallel Imports and International Trade' 28(5) *International Review of Industrial Property and Copyright Law* 623–32
- Heimer, C (2007) 'Old Inequalities, New Disease: HIV/AIDS in Sub-Saharan Africa' 33 *Annual Review of Sociology* 551–77
- Henderson, E (1997) 'TRIPS and the Third World: The Example of Pharmaceutical Patents in India' 19(11) *European Intellectual Property Review* 651–63
- Hermer, J and A Hunt (1996) 'Official Graffiti of the Everyday' 30(3) *Law and Society Review* 455–80
- Heywood, M (2002) 'Drug Access, Patents and Global Health: Chaffed and Waxed Sufficient' 23(2) *Third World Quarterly* 217–31
- Heywood, M (2009) 'South Africa's Treatment Action Campaign: Combining Law and Social Mobilization to Realize the Right to Health' 1(1) *Journal of Human Rights Practice* 14–36
- Hiltgartner, S (2009) 'Intellectual Property and the Politics of Emerging Technologies' 84(1) *Chicago-Kent Law Review* 197–224
- Hunt, A (1996) *Governance of the Consuming Passions: A History of Sumptuary Law* (New York: St Martin's Press)
- Jeffery, R, S Ecks and P Brhlikova (2007) 'Global Assemblages of Pharmaceuticals: Rethinking TRIPS and GMP' 30(3) *Biblio* 45–52
- Johnson, J (2005) 'Stopping Africa's Medical Brain Drain' 331 *BMJ* 2–3
- Joni, J (2002) 'Access to Treatment for HIV/AIDS: A Human Right Issue in the Developing World' 17 *Connecticut Journal of International Law* 273–80
- Kapczynski, A (2008) 'The Access to Knowledge Mobilization and the New Politics of Intellectual Property' 117 *Yale Law Journal* 804–85

- Kapferer, J N (1997) 'Marque et médicaments: le poids de la marque dans la prescription médicale' 165 *Revue Française du Marketing* 43–51
- Keyala, B K (1999) *Pharmaceutical Industry and Patent System in India: A Case Study, in TRIPS Agreement on Patent Law: Impact on Pharmaceuticals and Health for All* (New Delhi: Centre for the Study of Global Trade Systems and Development)
- Kirim, A S (1985) 'Reconsidering Patents and Economic Development: A Case Study of the Turkish Pharmaceutical Industry' 13 *World Development* 219–36
- Klug, H (2010) 'Law, Politics and Access to Essential Medicines in Developing Countries' 36(2) *Politics and Society* 207–46
- Koshy, S (1995) 'The Effect of TRIPS on Indian Patent Law: A Pharmaceutical Industry Perspective' 4 *Boston University Journal of Science and Technology Law* 1–56
- LaCroix, S J and A Kawaura (1996) 'Product Patent Reform and its Impact on Korea's Pharmaceutical Industry' 10(1) (spring) *International Economic Journal* 109–24
- Laing, R, B Waning, A Gray, N Ford and E Hoen (2003) '25 Years of the WHO Essential Medicines Lists: Progress and Challenges' 361 *The Lancet* 1723–29
- Lakoff, A (2005) *Pharmaceutical Reason: Knowledge and Value in Global Psychiatry* (Cambridge: Cambridge University Press)
- Lamprey, P (2003) 'Future Challenges in the Global Fight against HIV/AIDS in Developing Countries' 17 *Emory International Law Review* 645–50
- Langwick, S A (2007) 'Devils, Parasites, and Fierce Needles: Healing and the Politics of Translation in Southern Tanzania' 32(1) *Science, Technology, and Human Values* 88–117
- Laureau, J and G Houin (2001) 'Médicament générique et propriété intellectuelle' (1) *Revue Internationale de Droit Économique* Numéro Spécial: Brevets pharmaceutiques, Innovation et Santé Publique 173–85
- Latour, B (1987) *Science in Action: How to Follow Scientists and Engineers Through Society* (Milton Keynes: Open University Press)
- Latour, B (1988a) *The Pasteurization of France* (Cambridge MA: Harvard University Press)
- Latour, B (1988b) *Irréductions, Pasteurisation of France* (Cambridge MA: Harvard University Press)
- Latour, B (1993) *We Have Never Been Modern* (Brighton: Harvester Wheatsheaf)
- Latour, B (1999a) 'On recalling ANT' in L Law and J Hassard (eds), *Actor-Network Theory and After* (Oxford: Blackwells), pp. 15–25 (republished in 2004 as B Latour (2004) 'On Recalling ANT' (Lancaster: Department of Sociology, Lancaster University) www.lancs.ac.uk/fss/sociology/papers/latour-recalling-ant.pdf)
- Latour, B (1999b) 'For David Bloor...and Beyond: A Reply to David Bloor's "Anti-Latour"' 30(1) *Studies in the History and Philosophy of Science* 113–29
- Latour, B (2002) *La Fabrique du Droit* (Paris: La Découverte)
- Latour, B (2004) *Politics of Nature: How to Bring the Sciences into Democracy* (Cambridge MA: Harvard University Press)
- Latour, B (2005) *Reassembling the Social: An Introduction to Actor-network Theory* (Oxford: Oxford University Press)
- Latour, B (2009a) 'Will Non-humans Be Saved? An Argument in Ecotheology' 15(3) *Journal of the Royal Anthropological Institute* 459–75
- Latour, B (2009b) *On the Modern Cult of Factish Gods* (Durham NC: Duke University Press)
- Latour, B (2010) 'Networks, Societies, Spheres: Reflections of an Actor-Network Theorist' 5 *International Journal of Communication* 796–810
- Latour, B, J Jensen, T Venturini, S Grauwin and D Boullier (2012) 'The Whole is Always Smaller than its Parts: A Digital Test of Gabriel Tarde's Monads' *British Journal of Sociology*

- Latour, B and S Woolgar (1979) *Laboratory Life: The Social Construction of Scientific Facts* (Los Angeles CA: Sage)
- Law, J (1986) 'On the Methods of Long Distance Control: Vessels, Navigation and the Portuguese Route to India' in J Law (ed.), *Power, Action and Belief: A New Sociology of Knowledge? Sociological Review Monograph* (London: Routledge), pp. 234–63
- Law, J (ed.) (1991) *A Sociology of Monsters? Essays on Power, Technology and Domination*, Sociological Review Monograph (London: Routledge)
- Law, J (1992) 'Notes on the Theory of the Actor-Network: Ordering, Strategy and Heterogeneity' (Lancaster: Centre for Science Studies, Lancaster University) www.lancs.ac.uk/fss/sociology/papers/law-notes-on-ant.pdf, also published in (5) *Systems Practice* 379–93
- Law, J (1994) *Organizing Modernity* (Oxford: Blackwells)
- Law, J (1997a) 'Topology and the Naming of Complexity' (Lancaster: Centre for Science Studies, Lancaster University) www.comp.lancs.ac.uk/sociology/papers/law-topology-and-complexity-pdf
- Law, J (1997b) 'Traduction/Trahisson: Notes on ANT' (Lancaster: Centre for Science Studies, Lancaster University) www.comp.lancs.ac.uk/sociology/stslaw2.html
- Law, J (1999a) 'Materialities, Spatialities, Globalities' (Lancaster: Centre for Science Studies, Lancaster University) www.comp.lancs.ac.uk/sociology/soc029jl.html
- Law, J (1999b) 'Objects, Spaces and Others' (Lancaster: Centre for Science Studies, Lancaster University) www.comp.lancs.ac.uk/sociology/papers/law-objects-spaces-others.pdf
- Law, J (2000) 'Ladbroke Grove, or How to Think about Failing Systems' (Lancaster: Centre for Science Studies, Lancaster University) www.comp.lancs.ac.uk/sociology/papers/law-ladbroke-grove-failing-systems.pdf
- Law, J (2003a) 'Making a Mess with Methods' (Lancaster: Centre for Science Studies, Lancaster University) www.comp.lancs.ac.uk/sociology/papers/law-making-a-mess-with-method.pdf
- Law, J (2003b) 'And if the Global were Small and Non-Coherent? Method, Complexity and the Baroque' (Lancaster: Centre for Science Studies, Lancaster University) www.comp.lancs.ac.uk/sociology/papers/law-and-if-the-global-were-small.pdf
- Law, J (2004) *After Methods: Mess in Social Science Research* (London: Routledge)
- Law, J (2008) 'Actor-Network Theory and Material Semiotics' in B S Turner (ed.), *The New Blackwell Companion to Social Theory* (Oxford: Blackwell) (3rd edn), pp. 141–58
- Law, J and J Hassard (1999) *Actor-Network Theory and After* (Oxford: Blackwell)
- Law, J and A Mol (1995) 'Notes on Materiality and Sociality' 43(2) *Sociological Review* 274–94
- Law, J and A Mol (eds) (2002) *Complexities: Social Studies of Knowledge Practices* (Durham NC: Duke University Press)
- Law, J and V Singleton (2000a) 'This is not an Object' (Lancaster: Centre for Science Studies, Lancaster University) www.lancs.ac.uk/fss/sociology/papers/law-singleton-this-is-not-an-object.pdf
- Law, J and V Singleton (2000b) 'Performing Technology's Stories' (Lancaster: Centre for Science Studies, Lancaster University) www.comp.lancs.ac.uk/sociology/soc036jl.html
- Law, J and J Urry (2002) 'Enacting the Social' (Lancaster: Centre for Science Studies, Lancaster University) www.lancs.ac.uk/fss/sociology/papers/law-urry-enacting-the-social.pdf
- Lazzarini, Z (2003) 'Making Access to Pharmaceuticals a Reality: Legal Options under TRIPS and the Case of Brazil' 6 *Yale Human Rights and Development Law Journal* 103–38
- Lessig, L (1999) 'The Limits in Open Code: Regulatory Standards and the Future of the Net' 14 *Berkeley Technology Law Journal* 759–69

- Levi, R and M Valverde (2008) 'Studying Law by Association: Bruno Latour Goes to the Conseil d'Etat' 33(3) *Law and Social Inquiry* 805–25
- Liberman, J (2012) 'Combating Counterfeit Medicines and Illicit Trade in Tobacco Products: Minefields in Global Health Governance' 40(2) *Journal of Law and Medical Ethics* 326–47
- Light, D W and R Warburton (2011) 'Demythologizing the High Costs of Pharmaceutical Research' 6(1) *BioSocieties* 34–50
- Lippert, R (2009) 'Signs of the Surveillant Assemblage: Privacy Regulation, Urban CCTV, and Governmentality' 18(4) *Social and Legal Studies* 507–22
- Lury, C (2004) *Brands: The Logos of the Global Economy* (London and New York: Routledge)
- Mallavarapu, S and A Prasad (2006) 'Facts, Fetishes, and the Parliament of Things: Is There any Space for Critique?' 20(2) *Social Epistemology* 185–99
- Marsland, R (2007) 'The Modern Traditional Healer: Locating "Hybridity" in Modern Traditional Medicine, Southern Tanzania' 33(4) *Journal of Southern African Studies* 751–65
- Maskus, K E (2000) *Intellectual Property Rights in the Global Economy* (Washington DC: Institute for International Economics)
- Maskus, K E and J H Reichman (eds) (2005) *International Public Goods and Transfer of Technology* (Cambridge: Cambridge University Press)
- Matip, N (2008) 'La mise en conformité du droit des brevets de l'Organisation africaine de la propriété intellectuelle (OAPI) avec les prescriptions de l'accord ADPIC' 13(1) *Lex Electronica*
- Matthews, D (2004a) 'Is History Repeating Itself? The Outcome of Negotiations on Access to Medicines, the HIV/AIDS Pandemic and Intellectual Property Rights in the World Trade Organisation' 1 *Law, Social Justice and Global Development Journal* www2.warwick.ac.uk/fac/soc/law/elj/lgd/2004_1/matthews/
- Matthews, D (2004b) 'The WTO Decision on Implementation of Paragraph 6 of the Doha Declaration on the TRIPs Agreement and Public Health: a Solution to the Access to Essential Medicines Problem?' 7(1) *Journal of International Economic Law* 73–107
- May, C (2004) 'Capacity-Building and the (Re)production of Intellectual Property Rights' 25(5) *Third World Quarterly* 821–37
- May, C (2007) *World Intellectual Property Organization (WIPO): Resurgence and the Development Agenda* (Oxford: Routledge)
- McGoey, L, J Reiss and A Wahlberg (2011) 'The Global Health Complex' 6(1) *BioSocieties* 1–9
- McManis, C and J Pelletier (2012) 'Two Tales of a Treaty Revisited: the Proposed Anti-Counterfeiting Trade Agreement (ACTA)', Legal Studies Research Paper Series (St Louis LA: Washington University in St Louis, School of Law)
- Mercurio, B C (2004) 'TRIPS, Patents and Access to Life-saving drugs in the developing world' 8(2) *Marquette Intellectual Property Law Review* Summer 211–50
- Mol, A-M. (2003) *The Body Multiple: Ontology in Medical Practice* (Durham NC: Duke University Press)
- Mol, A-M and M de Laet (2000) 'The Zimbabwe Bush-pump: Mechanics of a Fluid Technology' 30(2) *Social Studies of Science* 225–63
- Moser, I (2008) 'Making Alzheimer's Disease Matter: Enacting, Interfering and Doing Politics of Nature' 39(1) *Geoforum* 98–110
- Médecins sans Frontières (MSF) (2003a) 'Doha Derailed: A Progress Report on TRIPS and Access to Medicines', 27 August 2003 www.accessmed-msf.org/prod/publications.asp?scntid=27820031110385&contenttype=PARA&
- Médecins sans Frontières (MSF) (2003b) 'TRIPS, Pharmaceutical Patents and Access to Medicines: Seattle, Doha and Beyond', 24 July 2003 www.accessmed-msf.org/prod/publications.asp?scntid=24720031521553&contenttype=PARA&

- Médecins sans Frontières (MSF) (2003c) 'Chairman's Text Brings New Difficulties to WTO Paragraph 6', 27 August 2003 www.msf.org/msfinternational/invoke.cfm?component=article&objectid=77830ACA-8EC5-419A-82AB7D7ED6A2E1ED&method=full_html
- Muennich F E (2000) 'Les Brevets Pharmaceutiques et l'Acces aux Medicaments' (1) *Revue Internationale de Droit Economique* Numero Special: Brevets Pharmaceutiques, Innovation et Sante Publique 71–81
- Mullin, T (2002) 'AIDS, Anthrax and Compulsory Licences: Has the United States Learnt Anything? A Comment on Recent Decisions on the Intellectual Property Rights of Pharmaceutical Patents' 9 *ILSA Journal of International and Comparative Law* 185
- Murdoch, J (1997) 'Inhuman/nonhuman/human: Actor Network Theory and the Prospects for a Non-Dualistic and Symmetrical Perspective on Nature and Society' 15 *Environmental Planning D: Society and Space* 731–56
- Murdoch, J (1997) 'Towards a New Geography of Heterogeneous Associations' 21(3) *Progress in Human Geography* 321–37
- Murdoch, J (1998) 'The Spaces of Actor-Network Theories' 29(4) *Geoforum* 357–74
- Muriu, D (2009) 'Third World Resistance to International Economic and Structural Constraints: Assessing the Utility of the Right to Health in the Context of the TRIPS Agreement' 11 *International Community Law Review* 409–29
- Nattrass, N and N Geffen (2005) 'The Impact of Reduced Drug Prices on the Cost-Effectiveness of HAART in South Africa' 4(1) *African Journal of AIDS Research* 65–7
- Nelken, D (1981) 'The Gap Problem in the Sociology of Law: A Theoretical Review' 1 *Windsor Yearbook of Access to Justice* 35
- Nelken, D (1987) 'Law in Action or Living Law? Back to the Beginning in Sociology of Law' 4 *Legal Studies* 157–74
- Nerozzi, M (2002) 'The Battle over Life-Saving Drugs: Are Developing Countries being TRIPed by Developed Countries?' 47 *Villanova Law Review* 605–41
- Nguyen, V-K (2005) 'Antiretroviral Globalism, Biopolitics, and Therapeutic Citizenship' in A Ong and S J Collier (eds), *Global Assemblages: Technology, Politics, and Ethics as Anthropological Problems* (Malden MA: Blackwell), p. 126
- Noehrenberg, E (2006) 'The Realities of TRIPS, Patents and Access to Medicines in Developing Countries' in M Perez Pugatch (ed.), *The Intellectual Property Debate: Perspectives for Law, Economics and Political Economy* (Cheltenham: Edward Elgar)
- Nogueira, J (2002) 'Intellectual Property Rights, the World Trade Organisation and Public Health: The Brazilian perspective' 17 *Connecticut Journal of International Law* 311–18
- Nogues, J (1990) 'Patents and Pharmaceutical Drugs: Understanding the Pressures on Developing Countries' 31 *Developing Economies* 24–53
- Nogues, J (1993) 'Social Costs and Benefits of Introducing Patent Protection for Pharmaceutical Drugs in Developing Countries' 31(1) *Developing Economies* 24–53
- Obi-Eyisi, O and A Wertheimer (2012) 'The Background and History of Counterfeit Medicines' in A Wertheimer and P Vang (eds), *Counterfeit Medicines: Policy, Economics and Countermeasure* (London: ILM Publications)
- Ong, A and S Collier (eds) (2004) *Global Assemblages: Technology, Politics, and Ethics as Anthropological Problems* (London: Blackwell)
- Otten, A (2000) 'Les Brevets Couvrant les Produits pharmaceutiques et l'Accord sur les ADPIC' (1) *Revue Internationale de Droit Economique* Numero Special: Brevets Pharmaceutiques, Innovation et Sante Publique 161–6
- Outterson, K and R Smith (2006) 'The Good, the Bad and the Ugly' 16 *Albany Law Journal of Science and Technology* 525

- Oxfam International (2001) 'Priced out of Reach: How WTO Patent Policies Will Reduce Access to Medicines in the Developing World' www.oxfam.org.uk/what_we_do/issues/health/downloads/priced.rtf
- Oxfam (2011) 'Crisis of Poor Quality Medicines Being Used as an Excuse to Push up Prices for Poor' www.oxfam.org/en/pressroom/pressrelease/2011-02-02/crisis-poor-quality-medicines-being-used-excuse-push-prices-poor
- Park, J S (1993) 'Pharmaceutical Patents in the Global Arena: Thailand's Struggle between Progress and Protectionism' 13(1) *Boston College Third World Law Journal* 121–54
- Petryna, A, A Lakoff and A Kleinman (eds) (2006) *Global Pharmaceuticals: Ethics, Markets, Practices* (Durham NC and London: Duke University Press)
- Pires de Carvalho, N (2002) *The TRIPS Regime of Patents Rights* (London: Kluwer Law International)
- Pires de Carvalho, N (2010) *The TRIPS Regime of Patents Rights* (The Hague: Kluwer) (3rd edn)
- Pogge, T (2008) 'Access to Medicines' 1(2) *Public Health Ethics* 73–82
- Pollock, A (2008) 'Pharmaceutical Meaning-Making Beyond Marketing: Racialized Subjects of Generic Thiazide' 36(3) *Journal of Law, Medicine and Ethics* 530–6
- Pollock, A (2011) 'Transforming the Critique of Big Pharma' 6(1) *BioSocieties* 106–18
- Pottage, A (2012) 'The Materiality of What?' 39(1) *Journal of Law and Society* 167–83
- Pottage, A and B Sherman (2010), *Figures of Invention: A History of Modern Patent Law* (Oxford: Oxford University Press)
- Pound, R (1910) 'Law in Books and Law in Action' 44 *American Law Review* 12–18
- Press, I (1969), 'Urban Illness: Physicians, Curers and Dual Use in Bogota' 10(3) *Journal of Health and Social Behavior* 209–18
- Pretorius, W (2002) 'TRIPS and Developing Countries: How Level is the Playing Field?' in P Drahos and R Mayne (eds), *Global Intellectual Property Rights: Knowledge, Access and Development* (London: Palgrave)
- Ray, A and E Selinger (2008) 'Jagannath's Saligram: On Bruno Latour and Literary Critique After Postcoloniality' 18(2) *Postmodern Culture*
- Redwood, H (1994) *New Horizons in India: The Consequences of Pharmaceutical Patent Protection* (Felixstowe: Oldwicks Press)
- Rens, A (2011) 'Collateral Damage: The Impact of ACTA and the Enforcement Agenda on the World's Poorest People' 26(3) *American University International Law Review* 783–809
- Reynolds Whyte, A, M A Whyte, L Meinert and B Kyaddondo (2006) 'Treating AIDS: Dilemmas of Unequal Access in Uganda' in A Petryna, A Lakoff and A Kleinman (eds), *Global Pharmaceuticals: Ethics, Markets, Practices* (Durham NC: Duke University Press), pp. 240–62
- Riles, A (2000) *The Network Inside Out* (Ann Arbor MI: University of Michigan Press)
- Riles, A (2010) 'Collateral Expertise: Legal Knowledge in the Global Financial Markets' 51(6) *Current Anthropology* 795–818
- Riles, A (2011) *Collateral Knowledge: Legal Reasoning in the Global Financial Markets* (Chicago IL: University of Chicago Press,)
- Rogers, E (1995) *The Diffusion of Innovations* (New York: Free Press)
- Romanucci Schwartz, L (1969) 'The Hierarchy of Resort in Curative Practices: The Admiralty Islands, Melanesia' 10(3) *Journal of Health and Social Behavior* 201–9
- Rozeq, R and R Berkowitz (1998) 'The Effects of Patent Protection on the Prices of Pharmaceutical Products: Is Intellectual Property Raising the Drug Bill in Developing Countries' 1 *Journal of World Intellectual Property* 179–244
- Schegloff, E A (1997) 'Whose Text? Whose Context?' 8(2) *Discourse and Society* 165–88

- Scherer, F M (2000) 'Le Systeme des Brevets et l'Innovation dans le Domaine Pharmaceutique' (1) *Revue Internationale de Droit Economique* Numero Special: Brevets Pharmaceutiques, Innovation et Sante Publique 109–24
- Scherer, F M and J Watal (2002) 'Post-TRIPS Options for Access to Patented Medicines in Developing Nations' 5(4) *Journal of International Economic Law* 313–19
- Scherer, F M and S Weisburst (1995) 'Economic Effects of Strengthening Pharmaceutical Patent Protection in Italy' 26 *International Review of Industrial Property and Copyright Law* 1009–24
- Scott, C (2004) 'Regulation in the Age of Governance: The Rise of the Post Regulatory State' in J Jordana and D Levi-Faur (eds), *The Politics of Regulation: Institutions and Regulatory Reforms for the Age of Governance* CRC series on Competition, Regulation and Development (Cheltenham: Edward Elgar), pp. 145–74
- Seeratan, N N (2001) 'The Negative Impact of Intellectual Patent Rights on Developing Countries: An Examination of the Indian Pharmaceutical Industry' 3 (spring) *St Mary's Law Review on Minority Issues* 339–412
- Sell, S (2002a) 'TRIPS and the Access to Medicines Campaign' 20(2 Summer) *Wisconsin International Law Journal* 481–522
- Sell, S (2002b) 'Industry Strategies for Intellectual Property and Trade: The Quest for TRIPS and Post-TRIPS Strategies' 10(1) *Cardozo Journal of International and Comparative Law* 79–108
- Sell, S (2003) *Private Power, Public Law* (Cambridge: Cambridge University Press)
- Sell, S (2004) 'The Quest for Global Governance in Intellectual Property and Public Health: Structural, Discursive and Institutional Dimensions' 77 (summer) *Temple Law Review* 363–99
- Sell, S (2007) 'TRIPS-Plus Free Trade Agreements and Access to Medicines' 28 *Liverpool Law Review* 41–75
- Shadlen, K (2007) 'The Political Economy of AIDS Treatment: Intellectual Property and the Transformation of Generic Supply' 51 *International Studies Quarterly* 559–81
- Shadlen, K, S Guennif, G Guzman and N Lalitha (eds) (2011) *Intellectual Property, Pharmaceuticals and Public Health: Access to Drugs in Developing Countries* (Cheltenham: Edward Elgar)
- Sheperd, C and M Gibbs (2006) "'Stretching the Friendship": On the Politics of Replicating a Dairy on East Timor' 36(3) *Science, Technology, and Human Values* 668–701
- Sherman, P B and E F Oakley (2004) 'Pandemics and Panacea: The World Trade Organization's efforts to Balance Pharmaceutical Patents and Access to Drugs' 41(2/3) *American Business Law Journal* 353–411
- Shiffman, J (2008) 'Has Donor Prioritization of HIV/AIDS Displaced Aid for Other Health Issues?' 23(2) *Health Policy and Planning* 95–100
- Shoell, S (2002) 'Why Can't the Poor Access Lifesaving Medicines? An Exploration of Solving the Patent Issue' 4 *Minnesota Intellectual Property Review* 151–82
- Silbey, S and P Ewick (2003) 'The Architecture of Authority: The Place of Law in the Space of Science' in A Sarat, L Douglas and M Umphrey (eds), *The Place of Law* (Ann Arbor MI: University of Michigan Press)
- Star, S L (1991) 'Power, Technologies and the Phenomenology of Conventions: On Being Allergic to Onions' in J Law (ed.), *A Sociology of Monsters* (London: Routledge), pp. 26–56
- Strathern, M (1996) 'Cutting the Network' 2(3) *Journal of the Royal Anthropological Institute* 517–35
- Strathern, M (1999) 'What is Intellectual Property After?' in J Law and J Hassard (eds), *Actor Network Theory and After* (Oxford: Blackwells), pp. 156–80
- Sun, H (2004) 'The Road to Doha and Beyond: Some Reflections on the TRIPS Agreement and Public Health' 15(1) *European Journal of International Law* 123–50

- 't Hoen, E (2010) 'The Revised Drug Strategy: Access to Essential Medicines, Intellectual Property and the World Health Organisation' in G Krikorian and A Kapczynski (eds), *Access to Knowledge in the Age of Intellectual Property* (New York: Zone Books)
- Third World Network, *Tackling AIDS with Cheap Generic Drugs* (2004) 6 December www.twinside.org.sg/title2/gtrends35.htm
- Vaistos, C (1971) 'Patents Revisited: Their Function in Developing Countries' *Science, Technology and Development* 71–97
- Vaughan, M (1991) *Curing their Ills: Power and African Illness* (Palo Alto CA: Stanford University Press)
- Velasquez, G (2000) 'Medicaments Essentiels et Mondialisation' (1) *Revue Internationale de Droit Economique* Numero Special: Brevets Pharmaceutiques, Innovation et Sante Publique 38–44
- Verran, H (2002) 'A Postcolonial Moment in Science Studies: Alternative Firing Regimes of Environmental Scientists and Aboriginal Landowners' 32(5/6) *Social Studies of Science* 729–62
- Waberi, A (2002) *Balbala* (Paris: Gallimard)
- Waberi, A (2003) *Transit* (Paris: Gallimard)
- Watal, J (1999) 'Introducing Product Patents in the Indian Pharmaceutical Sector: Implications for Prices and Welfare' 20 *World Competition* 5–21
- Watal, J (2000) *Access to Essential Medicines in Developing Countries: Does the WTO TRIPS Agreement Hinder It?* Science, Technology and Innovation Discussion Paper No 8 (Cambridge MA: Center for International Development, Harvard University)
- Watson, M (2011) 'Cosmopolitics of the Subaltern: Problematizing Latour's Ideas of the Commons' 28 *Theory, Culture and Society* 55–79
- World Bank (2002) *Djibouti: Health Sector Development* Report No PID10697 (Washington DC: World Bank)
- World Bank (2003) *Updated Project Information Document (PID), Djibouti – HIV/AIDS, Malaria and Tuberculosis Control Project* Report No AB7 (Washington DC: World Bank)
- World Health Organization (WHO) (2001) 'Globalization, TRIPS and Access to Pharmaceuticals' www.who.int/3by5/amds/en/regulations1.pdf
- World Health Organization (WHO)/World Trade Organization (WTO) (2002a) 'Implications of the TRIPS Agreement and the Doha Declaration and Public Health' www.who.int/medicines/areas/policy/WHO_EDM_PAR_2002.3.pdf
- World Health Organization (WHO)/World Trade Organization (WTO) (2002b) 'WTO Agreements and Public Health' (Geneva) www.wto.org/english/res_e/booksp_e/who_wto_e.pdf#search='WTO%20agreements%20and%20public%20health
- Yar, M (2008) 'The Other Global Drugs Crisis: Assessing the Scope, Impacts and Drivers of the Trade in Dangerous Counterfeit Pharmaceuticals' 1(1) *International Journal of Social Inquiry* 151–66
- Zainol, Z A, L Amin, K Jusoff, A Zahid and F Akpoviri (2011) 'Pharmaceutical Patents and Access to Essential Medicines in Sub-Saharan Africa' 10(X) *African Journal of Biotechnology* 12376–88

Index

- access to medicines campaign
 - AIDS/ARVs 39, 156, 164, 165
 - counterfeit medicines 147
 - diagnosis of 168, 172
 - effects of 10, 154, 156, 157, 166, 170, 172–3, 176
 - history of 36–40, 154
 - malaria 156
 - TRIPS 9, 10, 31, 36, 43, 152, 153, 179, 180
 - tuberculosis 156
 - see also* disease
- acting at a distance
 - AIDS 161
 - in Djibouti 103–5, 112–14
 - in Ghana 84, 87, 130, 151
 - law 177
 - pharmaceutical industry 105, 112–14, 151, 179
 - TRIPS 30, 31, 43, 46, 176
- actor-network theory (ANT)
 - actor-network (concept of) 14, 17
 - introduction to 11–17
 - capitalism 15, 16, 26
 - disease 18–20
 - embeddedness (concept of) 17–18
 - enlisting (process of) 14, 108, 174
 - ethnography 8, 16–17, 21, 27
 - globality (concept of) 9, 153, 180–1
 - heterogeneity (concept of) 12, 24, 26, 136
 - intellectual property 29
 - interessement (process of) 14, 22, 59
 - irreduction (principle of) 15–16, 20–1, 26, 28
 - law 20–2, 43, 67–8, 136, 181
 - materiality (concept of) 8, 12–14, 21, 40
 - counterfeit medicines 135–6, 138
 - generic medicines 134
 - patents 95–100
 - TRIPS 30
 - postcolonial context 22–9
 - technologies 26–7, 45
 - translations of 17–18
 - see also* assemblage; Callon, Michel; disease; entanglement; Harding, Sandra; Latour, Bruno; Law, John; Mol, Anne-Marie; Pottage, Alain; Riles, Annelise
- advertising 103–7, 123, 144, 149, 150
- affordable medicines
 - AIDS 156
 - generics 108, 110–13, 132–5
 - global programmes 154–9
 - IDA 108
 - in Djibouti
 - access to 108, 110–13
 - CAMME 110–11, 154, 155
 - in Ghana 155, 157, 175
 - access to 124–7, 133–135, 151, 175
 - Medicines Transparency Alliance (MeTA) 155–6
 - Malaria 156
 - pharmaceutical patents 2
 - tuberculosis 156
 - TRIPS 153, 154, 176
 - see related* access to medicines
 - campaign; compulsory licences;
 - generic medicines
- AIDS 1, 152, 157
 - complexity of 19, 160–2, 170
 - crisis 37
 - diagnosis of 172
 - history of 161–3
 - impact on TRIPS 43
 - in Djibouti 92, 94, 165–70
 - Cadre National
 - Stratégique Intersectoriel de Lutte 166
 - World Bank ('the AIDS project') 166–9
 - in Ghana 117, 170–4
 - intellectual property 70, 164–5
 - knowledge system 163
 - politics of 161–9, 172, 180
 - postcolonial object 163–4
 - public health priority 166–9
 - South Africa 162–3
 - taboo 168–9
 - technologies of treatment 173
 - see also* access to medicines campaign; affordable medicines; assemblage; disease; entanglement

- Anderson, Warwick 23, 27–9, 139
- antiretrovirals (ARVs)
- access to 164–5
 - generic medicines 98, 109–10
 - in Djibouti 98, 109–10, 166–7
 - in Ghana
 - access to 116, 171–3
 - allocation of resources 171–4
 - global fund 53, 167, 174, 175
 - local capacity 174–6
 - pre-qualification 174–5
 - see also* compulsory licences
 - price of 39, 164
 - TRIPS 164–5
 - see also* AIDS; access to medicines
 - campaign; counterfeit medicines
- assemblage
- ANT as 17
 - drugs as 32
 - legal texts as 21–2
 - TRIPS as 10, 29–44, 152, 153, 160, 170
 - TRIPS and AIDS 164
- Barry, Andrew 15, 72
- Big Pharma
- advertising 104, 107
 - generic medicines 103, 107
 - hegemony of 40
 - influence in Djibouti 103, 107
 - positioning of 176
 - resistance to 165
- bioequivalence 148, 179
- blackboxing
- concept of 14
 - counterfeit medicines 135
 - disease 19
 - intellectual property
 - networks 72
 - rules 29
 - legal texts 21–2
 - TRIPS 31–40, 42–4
- Bolar exemption 41, 51
- in Djibouti 51
 - in Ghana 54
- boundaries
- legal/law 4, 8, 21, 99, 136, 139, 181
 - pharmaceutical patents 91, 99, 100
 - traditional medicines 123–4
 - TRIPS 30, 156
- brand fidelity 106, 179
- brands
- influence of in Djibouti 9–10, 91, 97, 99–101, 103–4, 106–7, 111, 113, 125, 178–80
 - influence of in Ghana 116, 130–1, 133, 149, 178–80
 - pharmaceutical patents 43–4
- Callon, Michel
- ANT (general) 12, 17
 - actor-networks 14
 - capitalism 15
 - expertise 55
 - interessement 22, 84
 - law 22
 - materiality 13
 - obligatory passage points 86, 114
 - performativity 42
- capacity-building
- in Djibouti 70
 - generic medicines 33
 - in Ghana 174–6
 - WHO 70
 - WIPO 58–9, 70
 - WTO 70
- capitalism *see* actor-network theory
- Centre d'Achat des Medicaments et Matériel Essentiels (CAMME) 110–11, 154, 155
- Chakrabarty, Dipesh 24–5
- compulsory licences
- anthrax scare 39
 - Doha Declaration 41, 51
 - in Djibouti 51, 106
 - in Ghana 53–4, 57
 - ARVs 53, 171, 174, 175
 - least developed countries 106
 - TRIPS 36, 42, 43
- Consumer Project on Technology (US) 38
- counterfeit medicines
- Anti-Counterfeiting Bill 2008 (Kenya) 147
 - Anti-Counterfeiting Trade Agreement 139, 147
 - ARVs 137
 - Counterfeit Goods Bill 2009 (Uganda) 147
 - in Djibouti 95, 112, 155
 - fluid nature of 131–5, 140, 151
 - in Ghana 81, 84, 139–51, 157
 - access to 142
 - expertise 144, 146

- government control 145–6
 - malaria 141, 144, 158
 - risk 140
- impact on generic medicines 10, 179
 - in Ghana 139–51
- legal-labelling 131, 135–6
- multiple meanings 135–9
- politics of 135
- site of entanglement 135
- WHO 137, 147
- see also* access to medicines campaign;
 - ANT; ARVs; blackboxing;
 - entanglement; expertise
- De Laet, Marianne 14, 26–7, 29, 31, 42
- Deleuze, Gilles 17, 23
- dengue fever 109
- (de)pharmaceuticalization 170, 178, 180
- developing countries
 - AIDS crisis in 37
 - pharmaceutical patents and access to
 - health 37, 98
 - travel of drugs in 20
 - TRIPS
 - generalizations 5
 - impact in 29, 49, 53, 61, 71, 166, 170, 178
 - meaning for 46, 178
 - negotiations on 35
 - see also* Doha Declaration; pharmaceutical patents, flexibilities; TRIPS-plus
- developed states 42
- diagnosis
 - AIDS 168, 172
 - significance of 159–60
- disease
 - access to medicines campaign 38–9
 - in ANT 12, 18–20, 44
 - framing of 43
 - management of 156, 160
 - prioritization of 108–9, 157, 169, 174
 - reshaping of 154–60, 180
 - AIDS 164–76
 - social significance of 40
 - see also* blackboxing
- dislocation, of legal effects 153–60, 166, 170, 181
- Djibouti
 - Chambre du Commerce 73–4, 101
 - CAMME 110–11, 154, 155
 - Hôpital Bouffard 93–4, 100–2
 - Hôpital Peltier 93
- international donations 100–3
- Ministry of Health 7, 70, 73–8, 130
- Ministry of Trade and Industry 7, 50, 73–5, 77
- Organisme de Protection Sociale
 - free health services 94
 - import and distribution 100, 101, 109
 - independence 101
 - patents 114–15
 - preferred by patients 93
 - use of generic medicines 97–8, 101, 108
- Pharmacies communautaires 110, 112
- Pharmappro 100–3
- public health in 92–5
- Securité Sociale 107
- see also* imports
- Doha Declaration 40, 41, 51 *see related*
 - Bolar exemption; compulsory licences; parallel imports;
 - pharmaceutical patents, extended deadlines
- drugs
 - in ANT studies 20
 - as assemblage 32
 - enabling power of 39
 - inventing 33
 - ‘modern’ 2, 70, 95, 123, 153
 - non-patented 108
 - as objects of protection 32
 - see also* affordable medicines, brands, counterfeit medicines, generic medicines, imports, pharmaceutical patents, registration
- Economic Community of West African States 59
- embeddedness
 - of pharmaceutical patents 95, 96, 98, 99, 100, 108, 130, 131
 - of political and cultural value in Western medicine 124
 - principle of 17–18
 - of private interests and the materiality of treatment 182
 - of TRIPS 45, 46, 153, 170, 176
- enlisting
 - of drugs within essential medicines
 - list 108
 - of patients (AIDS) 164
 - process of 14

- entanglement
 of AIDS 160–5
 in ANT 21, 25, 136
 counterfeit medicines as site of 135
 essential medicines list (EML), as site of 108
 of intellectual property 3, 35, 165, 178
 of patients, disease and patented drugs 106–8, 109
 of pharmaceutical patents 37–40, 80, 111–12, 157, 179, 181
 process of 17–18, 123, 159
 regulatory 8, 180
 of TRIPS 36, 153, 159, 176
- Epstein, Steven 19, 55, 161–2
- ethnography
 AIDS 162
 methodology 7–8, 72
see also actor-network theory
- expertise
 in ANT 12, 19, 55, 56
 in Djibouti
 CAMME 111
 intellectual property 48, 50, 57, 59, 60, 64, 68
 patents 49, 51, 52, 62, 74, 96
 TRIPS 68
- fluidity of 55
- in Ghana
 counterfeit medicines 143, 144, 146
 intellectual property 54, 57, 59, 60, 63, 64, 69, 80, 88
 patents 53, 58, 62
 pre-qualification 174
 testing 126
 and intellectual property 36
 local 9, 41, 45, 46
 nature of 56
 TRIPS 30, 42, 65
- externalization, process of 24
- Fassin, Didier 162–3
- fieldwork 7, 72–5
- Foucault, Michel 17, 23
- generic medicines
 attention to 154, 156
 availability of 9, 111–12, 155
 branded 97, 106, 125, 134
 capacity-building 33
 in Djibouti
 central procurement of 110–13
 exclusion of 92, 97–9, 103–10
 normalization of 155
- in Ghana
 central procurement 125–7, 155
 enrolment of 116, 117, 124–35, 149
 impact of counterfeit medicines 139–51
 use of non-proprietary names 130–1
see also health insurance
- meaning of 97–8
- parallel imports 95
 and patent systems pre-TRIPS 33–4
see also actor-network theory;
 affordable medicines; antiretrovirals; Big Pharma; World Bank
- Ghana
 Attorney General's Chambers 7, 53, 57
 chemical sellers 118–19, 142–3, 157
 Food and Drugs Board 7, 12, 67, 79–88, 124
 National Drugs Programme 7, 125–7
 Pharmacy Council, market surveillance 82–3, 86–7
 public health 117–24, 142–4
- Global Fund 156
 in Djibouti 166–7
 in Ghana 53, 160, 174–5
- global/local
 AIDS 160, 161, 165–70
 networks 99
 and TRIPS 179–80
- global pharmaceutical industry 23, 30, 33, 39, 114, 130, 147, 182
- global programmes
 dependency on external resources 157–9
 longevity of 157
 stability of 157, 158–9
- Harding, Sandra 23, 24, 26
- Harman, Graham 12–14
- Haraway, Donna 24
- Health Action International 38, 155
- health insurance, in Ghana 125, 127–30, 159
- heterogeneity, concept of 12, 26, 136
- hospitals
 access to
 in Djibouti 93
 in Ghana 119, 120, 124
 and medicines
 in Djibouti 100, 102
 in Ghana 125–8

- quality
 - in Djibouti 93, 94, 110
 - in Ghana 119
- use of generics in
 - in Djibouti 97
 - in Ghana 131, 132, 159
- IDA Foundation 101, 102, 108, 109
- imports
 - Djibouti 100–10, 114, 155
 - lack of government control 103
 - reliability of 105–6
 - Ghana 85 *see related* parallel imports
- inclusion/exclusion, processes of 24, 25, 39, 82, 116, 126 128, 135
- indeterminacy
 - concept of 12–14, 21, 22
 - and law 67
- intellectual property
 - and AIDS 39, 70, 164–5
 - blackboxing of 29, 72
 - breach of 130, 137, 139
 - complexity of 43, 45
 - counterfeit drugs 139, 147
 - in Djibouti
 - history of 5, 34, 46–9, 65, 91
 - lack of institutional framework 65
 - expertise 50, 55–60, 64, 67, 68, 80
 - framing of 37, 43
 - in Ghana 177, 182
 - history of 52–5, 63
 - as imperialism 31
 - knowledge of 156
 - legal prescriptions, as set of 65, 72
 - lobbying 34
 - meaning of 178
 - mobilization 68, 70
 - rise of 1, 10
 - transformation of 177
 - translation of 45, 67–8
 - travel of 42–4, 79–80
 - see also* AIDS; actor-network theory; entanglement; expertise
 - see related* Intellectual Property Committee; Trade Related Aspects of Intellectual Property Rights; World Intellectual Property Organization
- Intellectual Property Committee 35
- International Federation of Pharmaceutical Manufacturers and Associations 155
- international organizations
 - in Djibouti 75–8
 - in Ghana 155
 - pressure on 153
 - see also* World Health Organization; World Intellectual Property Organization; World Trade Organization
- knowledge
 - in ANT 15, 23–8, 55
 - regulation of 52
 - scientific (nature of) 19, 62, 163
 - systems 23, 27, 28, 121–4, 163
 - traditional medicine 121–4
 - transfer 78
 - transformation of 62
 - valorization of 62
 - see also* expertise
- laboratories, in ANT 12, 13, 15, 18
- Latour, Bruno
 - ANT general 12, 16, 18
 - acting at a distance 15
 - actor-networks 14
 - cosmopolitics 24
 - ethnography 8
 - intermediaries and mediators 76
 - irreduction 15
 - knowledge 55–6
 - legal objects 114
 - materiality 13, 21
 - modernity 25, 26, 124
 - ordering 91
 - postcoloniality 23
 - relationality 13
 - technology 45
 - TRIPS 38
- law
 - in ANT 20–2, 43, 67–8, 136, 181
 - in action 67, 89, 99
 - perceptions of 67, 96
 - see also* boundaries; ordering; pharmaceutical patents
- Law, John 11, 12, 13, 17
- least-developed countries 4, 5, 40, 41, 49, 51, 59, 69, 92, 106
- local need 42, 46, 54, 76

- local(ized) practices 3, 4, 7, 8, 45, 117, 180
- lobbying 34, 47, 154 *see related* access to medicines campaign
- malaria
 in Djibouti 92
 in Ghana
 counterfeit medicines 141, 144, 158
 generic medicines 148
 health budget 141
 pharmaceutical patents 109
 Roll Back Malaria initiative 156
 treatment of 117, 118, 119
 pre-qualified medicine 175 *see related* World Health Organization
see also affordable medicines
- marketing 41, 69, 79, 80, 88, 96, 10, 107, 114, 123, 151
- Médecins sans Frontières (MSF) 38, 56
- mobilization
 influence of pharmaceutical industry on 147
 intellectual property and 56, 67, 70, 71
 pharmaceutical patents and 70, 89, TRIPS and 31, 50, 69, 71, 151, 153, 180
- modernity, in ANT 23, 25–7
- modes of action
 introduction 12
 pharmaceutical patents 91, 99, 114
- Mol, Anne-Marie 13, 14, 19, 26
- monopoly
 pharmaceutical patents 32, 44, 179, 181
 private pharmacists in Djibouti 104
- normalization
 of generic medicines 155
 process of 24
- ordering
 in ANT 2, 8, 17, 28, 40, 91
 law/legal tools and 22, 65, 67, 177–8, 181
 official and non-official methods of 3
 pharmaceutical patents and 44, 65, 91, 92, 96, 99, 103–10
 TRIPS and 160
- Organisation Africaine de la Propriété Intellectuelle 48
- out-of-patent medicines 70, 98, 103, 108, 109, 116, 118
- Oxfam International 98, 147
- parallel imports 41, 95, 113 *see also* Doha Declaration
- patent office 51, 58
- performativity 42
- pharmaceutical patents
 in Djibouti
 absence from written law 96, 98, 113–14
 creation of 49–52
 and exclusion of generic medicines 92, 103–10
 history of (pre-TRIPS) 34, 46, 47
 patent office 51–2, 57–8
 flexibilities (for developing countries) 52, 53, 54, 57
 framing of 32–3
 in Ghana
 disconnected networks 87–8
 enrolling 78–9
 post-market surveillance 83, 86–7
 registration 79–83, 85–8
 TRIPS in 53–5
 out-of-patent medication 70, 98, 103, 108, 109, 116, 118, 137
 as regulatory tools and materials 65–9, 89, 91, 92, 95–100
 travel of 30, 42–3, 78–80, 88, 99
 TRIPS and 4–9, 30, 34–9, 53, 55
see also actor-network theory; affordable medicines; Bolar exemption; compulsory licences; Doha Declaration; embeddedness; entanglement; generic medicines; modes of action; ordering
- pharmacists
 in Djibouti 95–7, 100–7, 109, 110, 112, 114
 in Ghana 118–20
- postcolonial
 ANT and 22, 24–8
 in STS 23
see also AIDS
- Pottage, Alain 12, 21, 29
- power, in ANT 15, 16, 20, 22, 23, 26–8
- prescription, in ANT 45 *see also* intellectual property; Trade Related Aspects of Intellectual Property Rights
- Pretoria trial 39, 61, 164

- punctualization
 of government 71–2, 74, 89
 process of 87
- regulation 8, 9, 91, 174, 178–9
- relationality, in ANT 13
- research and innovation
 link to patents 32–3
 and the South 109
- Riles, Annelise 21
- Sanofi 104
- self-medication 123
- semiotics 11, 13, 17, 27
- South Africa 3
 AIDS controversies 162,
 163, 165
 intellectual property and health debate
 3, 4, 71
see also Pretoria trial
- stabilisation, in ANT 14, 24
- Strathern, Marilyn 26, 29
- symmetry, in ANT 13, 28
- technology
 in ANT 45
 fluidity of 26, 27
 transfer 59
see also actor-network theory
- Trade Related Aspects of Intellectual
 Property Rights (TRIPS)
 and AIDS 165, 166, 170, 176
 and access to medicines campaign
 152, 153
 as global public health actor 37, 38,
 40, 43
 as set of prescriptions 66, 71, 72, 74,
 75, 77
 expertise 30, 36, 42, 46, 68
 history of 31–42
 impacts of 6–7, 160, 176, 178, 182
 in developing countries 49, 53, 55,
 61, 71, 166
 implementation of 3, 6, 9, 42, 43, 45,
 65, 89, 152
 in Djibouti
 formal compliance 50
 institutional framework 51
 mobilization 70–1, 74
 resources 47, 48
 translating in 49–52
 in Ghana
 institutional framework 69
 national laws 69
 resources and expertise 55
 translating in 55
 opposition to 2–3, 36, 38, 62, 153,
 154, 160 *see related* access to medi-
 cines campaign
 reordering of health networks 153–60
see also access to medicines campaign;
 acting at a distance; actor-
 network theory; affordable
 medicines; assemblage; blackbox-
 ing; Bolar exemption; boundaries;
 compulsory licences; dislocation;
 Doha Declaration; embedded-
 ness; entanglement; intellectual
 property; pharmaceutical patents;
 travel
- trademarks 60, 62, 63
- traditional healing 123
- traditional medicine
 in Djibouti 95
 in Ghana 118, 122–4
 as medical knowledge system 121–4
see also boundaries
- transformation, process of 165
- translation 9, 14, 29, 45, 46, 50, 63,
 177–8 *see also* actor-network
 theory
- Transparency International 155
- travel
 of pharmaceutical patents 31, 42, 65,
 66–7
 of TRIPS 30, 42–5, 65
- TRIPS-plus 53, 55
- tuberculosis
 affordable medicines 156
 Global Drug Facility 156–7
 in Djibouti 92, 94, 157
 in Ghana 117, 118, 156–7, 159, 160
 Stop TB Partnership 159–60, 168
 pre-qualified medicine 175 *see also*
 World Health Organization
- UK Department for International
 Development 155
- Watson, Matthew 24
- World Bank
 AIDS 166–8
 in Djibouti 92, 110, 111, 154, 166–9
 in Ghana 155
 generic medicines 110, 111, 154, 155
 malaria 92

- World Health Organization (WHO)
- antiretrovirals 171, 174
 - capacity-building 70
 - counterfeit medicines 137, 147
 - in Djibouti 7, 70, 75–7
 - fieldwork 73
 - statistics 94–5, 137
 - essential medicines list 38, 108–9
 - see also* enlisting; entanglement
 - in Ghana 155, 171, 174
 - generics 155
 - intellectual property and health 38
 - pre-qualification process 174–6
 - and TRIPS 42, 71, 75–7
- World Intellectual Property Organization (WIPO)
- capacity-building 58, 70
 - in Djibouti 48–50, 70, 75, 77
 - expertise 58
 - in Ghana 58–9
 - national laws 59
 - pharmaceutical patents 50
 - and TRIPS 42, 75
- World Trade Organization (WTO)
- and Djibouti 77
 - and TRIPS 1, 9, 50, 71, 75, 77
 - capacity-building 70
 - circulation of patents 49
 - Uruguay Round 35
 - see related* Trade Related Aspects of Intellectual Property Rights