

INDEX

- abortion, selective, 155-156, 158, 226, 227, 229, 237-238, 239, 240, 241, 244, 245-246, 254, 256
- altruism, 19, 168, 169, 212
- Anderson, W. French, 182
- animal experimentation, 67, 86, 200-213
- applications, responsibility for, 76-84, 91, 146-147, 171, 215-216
- Asch, Adrienne, 245
- autonomy,
 - principle of, 6, 44-46, 129-130, 141, 142-143, 149, 174, 175, 186-187, 232, 247
 - radical reproductive, 240-243
 - reproductive, 222, 240-249, 252-257
- balancing, 31-32, 35, 46-47, 72-73, 86, 89, 102, 105, 123, 137, 167, 177, 246-247
- Beauchamp, Tom, 28-29
- beneficence, principle of, 46, 120, 123, 174, 185-186, 247-248
- Brody, Baruch, xviii, 31-33, 85-86
- Burch, Rex, 201-202, 209
- Callahan, Daniel, 218
- casuistry,
 - classical, 30
 - consensus-based, 29-31
 - imaginative, 34-41, 49, 72-73, 84-87, 92, 114, 123, 148, 150, 184, 223, 233, 246
 - intuitive, 31-33
 - policy-permitting, 33-34
- Caplan, Arthur, 207
- Childress, James, 28-29
- clinical trials, 167-169
- cognitive science, 16, 27, 39
- cognitive semantics, 16-24, 249
- commercialism, 123, 124, 230-231
- commercialization, xi, 115-118, 166
- communitarianism, 6, 231, 232, 233, 239, 243, 246-247
- companies, private, 60-61, 65-66, 117-118, 226
- consent,
 - community, 129-130, 141-144
 - family, 129, 134-136
 - individual, 128, 129, 130-131, 132
- consequences, responsibility for, xi-xii, xiv-xv, 58, 73, 76-84, 91, 127
- constructivism,
 - moral, 24
 - social, 74-75
- Convention on Human Rights and Biomedicine*, xvii, 183, 190, 244
- Cook-Deegan, Robert, xvi, 78
- DeLisi, Charles, 93, 229
- determinism, genetic, 100, 107-110, 228
- devaluation, 254
- dialogue, xv-xvi, 87-89, 92-93, 105-107, 114, 123, 126, 127, 128, 130, 134-136, 141-144, 148-151, 171, 178-179, 183, 184, 201, 218, 248, 258
- dignity,
 - animal, 205
 - human, 26, 27, 48, 190-191, 192
- directiveness, 148-150, 153, 245
- disability, 220-221, 245, 253
- discrimination, xi, 6, 100, 104, 131, 156, 176, 177, 195, 196, 253
- disease, concept of, 249-252
- ELSI (Ethical, Legal, and Social Implications), xi-xii, xiv, 85, 89, 96, 106, 111
- employment, 156, 160-161
- essentialism, genetic, 107-110
- eugenics,
 - coercive, 227, 233-234
 - concept of, 159, 200, 217-218, 223-229, 236-237, 238
 - governmental, 227, 233-235
 - Nazi, 159, 225, 227, 234
 - new, 228-229, 234
 - old, 227, 234
 - parental, 226, 240
 - voluntary, 217, 227, 233-238, 239
- family studies, genetic, 130-136
- Flynn, James, 113
- framing, metaphorical, 20, 35, 41-43
- future generations, 68-69, 192, 196-197, 256

- gene therapy,
 somatic cell, 172-182
 germline, 172, 182-198
genetic counseling, 146-156, 222, 238, 240,
 244-245
genetic enhancement,
 somatic cell, 172, 199-200, 229, 252, 256
 germline, 172, 199-200, 256
genetic screening, 102, 156-158, 229, 238
genetic testing, xi, 102, 104, 146-148, 151-156,
 229
genetically tailor-made drugs, 103, 165-167,
 169
geneticization, 99, 100, 101, 176
Gilbert, Walter, 93, 107, 116
globalization, 123, 125, 231
goals,
 of medicine, 218-219
 of reprogenetic medicine, 219-223, 255-
 259
 of science, 64, 90
Helsinki Declaration, 35, 51, 60, 75, 76
Herrnstein, Richard, 74, 111-114, 227, 234
history, 71, 82, 86-87, 137, 146, 157, 159, 217,
 223-228
Human Genome Diversity Project (HGDP),
 xiii, 136-146
Human Genome Organisation (HUGO), xii,
 61, 93, 95, 119, 125
Human Genome Project (HGP), xi-xiv, 92-
 111, 115, 171
insurance,
 health, 161-164
 life, 164-165
integrity, principle of, 47-49, 121-122, 123,
 145, 175, 184, 188-193, 205, 247
integration, 89-90, 257
interactionism, contextual, 56-57, 78
Inuyama, Declaration of, xvii, 77, 96, 105,
 109, 110-111, 184, 185, 215, 217, 237,
 240, 256
Johnson, Mark, 16-24
Jonas, Hans, xvi, 14-15, 71n
Jonsen, Albert, 29-31
Juengst, Eric, 109, 142, 143-144, 152, 158,
 191-192, 251
justice, principle of, 46-47, 121, 122, 123, 134,
 145-146, 222, 240, 247, 252, 257
Kaiser, Matthias, 64
Kant, Immanuel, 14, 27, 45
Kantianism, 25-27, 45, 48
Kass, Leon, 189
Kitcher, Philip, 217, 236-238
knock-out animals, 103, 201, 210-213
Lakoff, George, 17-18, 27
Lebacqz, Karen, 220-221
legal regulation, 54, 89-90, 183, 217, 257-258
Lévinas, Emmanuel, 12-13, 14
Lucas, John, 10
Maturana, Humberto, 10
May, Larry, 8
Merton, Robert, 51n
metaphors, 1, 17, 23, 28, 30-31, 34-37, 41-49,
 65, 67, 71, 107-110, 124, 129-130, 152,
 184, 211, 249-250
moral concepts, 18-22
moral engineering, 15-16, 25
moral imagination, 22-23, 34-37, 85-86, 92,
 96, 130, 137, 150, 160, 166, 174, 183, 184,
 185, 200, 203, 204, 211, 218, 219, 230,
 231, 232, 246, 248
moral tinkering, 15-16, 25, 49
Moran, Gabriel, 8
Murray, Charles, 74, 111-114, 227, 234
Murray, Thomas, 162, 244-245
National Institutes of Health, 94, 119-120
Nelkin, Dorothy, 107
Neisser, Ulric, 113
Niebuhr, Richard, 12-13, 14
nondirectiveness, 148-150, 153, 242-243, 244
nonmaleficence, principle of, 46, 129, 142,
 175-176, 184, 193, 247
Nuremberg Code, 70, 75
omissions, responsibility for, 9-11
patents, gene, 114-126
Paul, Diane, 228
pharmacogenomics, xiv, 103, 165-169
pluralism, xvii, 123, 230, 246
Pokorski, Robert, 163
policy,
 professional, xv, xvii-xviii, 33-34, 86, 90,
 175, 181-182, 189, 211, 216-218, 231-232,
 255, 257-259
 public, xv, xviii, 33-34, 86, 217
population genomics, 136-146
preimplantation genetic diagnosis, 147, 153,
 155-156, 158, 182, 229, 249, 256

- preimplantation selection, 155-156, 182, 227, 229, 238, 239, 240, 244, 256
- prenatal testing, 102, 147, 153, 154, 155, 156, 226, 237, 238, 239, 241, 244
- prevention,
 - genotypic, 158-160, 186, 221, 225, 225n, 229, 233-239, 253, 254, 256
 - phenotypic, 158-160, 221, 253, 256
- principles, ethical, 34-35, 44-49, 85, 123, 185, 230, 246-248
- principlism, 28-29
- prototype structure, 17, 21-22, 44, 224
- prototypical cases, 17, 21-22, 32, 86, 114-115, 128, 203, 232-233, 240, 243, 252
- publication, 73-75
- public health, 156-160, 219, 223, 248
- racism, 138, 139, 225
- ranking, 33, 36, 49, 85, 248
- reductionism, genetic, 100, 107-110
- reflective equilibrium, 28-29
- Regan, Tom, 205-206
- reprogenetic medicine, xix, 217, 220-223, 255-259
- responsibility,
 - causal, 3-7, 8-10
 - concept of, 1-15
 - content of, 53-54, 84, 91-92
 - domain of, 53-54, 84, 91-92
 - form of, 53-54, 84, 89-90, 91-92, 216, 257-258
 - individual, 7-8, 61-62
 - in science, 51-90
 - legal, 7-8, 52, 66
 - metaphors of, 1, 20, 65, 66, 67, 71, 91
 - models of, 3-7, 12-13
 - moral, xiv-xvii, 1, 3-7, 13, 63, 64, 67
 - shared, xvi, 7-8, 61-62
- Rifkin, Jeremy, 121
- rights,
 - animal, 205-206, 207-208
 - human, 19, 45, 47, 48, 121, 191, 192, 241, 242
- risk,
 - biological, 194
 - clinical, 175, 193-194
 - genetic, 151-152
 - social, 131, 156, 175-176, 195-196
- Robertson, John, 241, 242
- roles, 63, 80, 81
- Rollin, Bernard, 207
- Russell, William, 201-202, 209
- Scarr, Sandra, 113
- Schweiker, William, 14
- science,
 - applied, 59-60, 72
 - basic, 59-60, 72
- sentience, 68, 207
- Shrader-Frechette, Kristin, 66, 71n
- Singer, Peter, 206, 207
- Sinsheimer, Robert, 93, 228-229
- slippery slope, 175, 176, 177, 195, 196, 200
- Smiley, Marion, 14
- Sontag, Susan, 42
- Strohman, Richard, 180
- Strong, Carson, 33-34, 245, 249
- Taylor, Paul, 207
- telos*, 207
- Toulmin, Stephen, 29-31
- transgenic animals, 182, 201, 210-213
- trusteeship model, 66, 71n
- Universal Declaration on the Human Genome and Human Rights*, xvii, 183-184, 191
- Uppsala Code of Ethics*, 73, 76-77
- utilitarianism, 25-27, 26n, 46, 47, 168, 206-207, 242
- utility, 46, 73
- Varela, Francisco, 10, 39
- value-freedom, 80, 81
- Venter, J. Craig, xiii, 109-110, 116-117
- virtues, 38-39, 40, 54, 89
- virtue ethics, 37-39
- Wittgenstein, Ludwig, 17
- Wachbroit, Robert, 134-136, 250-251
- Walters, LeRoy, 172, 238
- Watson, James, 107, 116, 182
- Weinberg, Richard, 113
- Weiner, Charles, 87-89
- whistleblowing, 66

Responsible Genetics

The Moral Responsibility of Geneticists for the
Consequences of Human Genetics Research

Nordgren, A.

2001, XIX, 276 p., Hardcover

ISBN: 978-1-4020-0201-4