

Αναλυτική Βιβλιογραφία

Βασικά Συγγράμματα

- PB** Godfrey-Smith, P. (2016) *Φιλοσοφία της βιολογίας*, ΠΕΚ.
- HR** Hull & Ruse (2017) *Εγχειρίδιο του Cambridge για τη φιλοσοφία της βιολογίας*, Αφοι Κυριακίδη Εκδόσεις Α.Ε.
- CIEB** Sober, E. (ed.) (2006) *Conceptual Issues in Evolutionary Biology*, Cambridge, Massachusetts: MIT Press.
- DG** Sterelny (2014) *Dawkins κατά Gould*, Αλεξάνδρεια.
- SaD** Sterelny, K & Griffiths, P. (1999) *Sex and death: an introduction to philosophy of biology*, University of Chicago Press.
- SEP** Stanford Encyclopedia of Philosophy: <http://plato.stanford.edu>

Βιβλιογραφία ανά θεματική ενότητα

1 Εισαγωγή

PB κεφ. 1

SaD κεφ. 1

2 Η θεωρία της εξέλιξης και η θεωρία της φυσικής επιλογής

PB 28-42

SaD κεφ. 2

William Paley (1802) *Natural Theology*, κεφ. 1+2:

<http://darwin-online.org.uk/content/frameset?itemID=A142&viewtype=text&pageseq=1>

3 Προσαρμοτισμός και κατασκευή οικοθέσης

SaD κεφ. 10+11

PB 50-59

Προτεινόμενα άρθρα:

Amundson (1994) 'Two concepts of constraint: adaptationism and the challenge from developmental biology', *Philosophy of Science* 61: 556-578.

Godfrey-Smith (2001) 'Three Kinds of Adaptationism' in Orzack & Sober (eds) *Adaptationism and Optimality*, CUP.

Gould & Lewontin (1979) 'The Spandrels of San Marco and the Panglossian Paradigm: A Critique of the Adaptationist Programme' **[CIEB]**

Gould & Vrba (1982) 'Exaptation—a missing term in the science of form', *Paleobiology* 8: 4-15.

Lewontin (1978) 'Adaptation', *Scientific American* 239: 212– 228.

Lewontin (1983) 'The Organism as Subject and Object of Evolution', *Scientia* 188: 65–82.

Maynard Smith (1978) 'Optimization theory in evolution' **[CIEB]**

Odling-Smee et al (1996) 'Niche construction', *American Naturalist* 147: 641-648.

- Orzack & Sober (1994) 'Optimality Models and the Test of Adaptationism', *American Naturalist* 143: 361-380.
- Pigliucci & Kaplan (2000) 'The fall and rise of Dr Pangloss: adaptationism and the Spandrels paper 20 years later', *Tree* 15: 66-70.
- West-Eberhard (2005) 'Developmental plasticity and the origin of species differences', *PNAS* 102: 6543-6549.

4 Τελεολογικές έννοιες στη βιολογία: σκοπός και λειτουργία

PB 59-65

Προτεινόμενα άρθρα:

- Amundson & Lauder (1994) 'Function Without Purpose', *Biology and Philosophy* 9: 443-469.
- Bigelow & Pargetter (1987) 'Functions', *Journal of Philosophy* 84:181-196.
- Cummins, R. (1975) 'Functional analysis', *Journal of Philosophy* 72: 741-765.
- Godfrey-Smith (1993) 'Functions: consensus without unity', *Pacific Philosophical Quarterly* 74: 196-208
- Hempel (1965) 'The Logic of Functional Analysis' in *Aspects of Scientific Explanation*, New York: Free Press.
- Millikan (1989) 'In Defense of Proper Functions', *Philosophy of Science* 56: 288-302.
- Wright (1973) 'Functions', *Philosophical Review* 82: 139-68.

5 Οι μονάδες της επιλογής και η εξέλιξη από την άποψη του γονιδίου

PB 42-49, 93-99

DG μέρος 2

SaD κεφ. 3-5 + 8

Lloyd 'Units and Levels of Selection' [SEP]

Προτεινόμενα άρθρα:

- Okasha (2001) 'Why Won't the Group Selection Controversy Go Away?', *British Journal for the Philosophy of Science* 52: 25-50.
- Sterelny (1996) 'The Return of the Group', *Philosophy of Science* 63: 562-584.

6 Οργανισμοί και βιολογικά άτομα

PB 66-80

Wilson, R. (2007) 'The biological notion of individuality' [SEP]

Προτεινόμενα άρθρα:

- O'Malley and Dupre (2007) 'Size doesn't matter: towards a more inclusive philosophy of biology', *Biology and Philosophy* 22: 155-191.

7 Η έννοια του βιολογικού είδους και τα ανώτερα τάξα

PB 100-119

SaD κεφ. 9

Προτεινόμενα άρθρα:

- Hey (2006) 'On the failure of modern species concepts', *Trends in Ecology & Evolution* 21:447-450.
- Hull (1976) 'Are species really individuals?', *Systematic Zoology* 25: 174-191.
- Kitcher (1984) 'Species', *Philosophy of Science* 51: 308-333.

Mayr 'Typological versus Population Thinking' [CIEB]

Okasha (2002) 'Darwinian Metaphysics: Species and the question of essentialism', *Synthese* 131: 191-213.

Padian & Horner (2002) 'Typology versus transformation in the origin of birds', *Trends in Ecology & Evolution* 17:120-124.

8 Η έννοια του γονιδίου

PB 81-93

SaD, κεφ. 6+7

Rheinberger 'Gene' [SEP]

Waters (2007) 'Molecular Genetics' [SEP]

Brigandt & Love (2007) 'Reductionism in Biology' [SEP]

Προτεινόμενα άρθρα:

Griffiths & Neumann-Held (1999) 'The many faces of the gene', *Bioscience* 49: 656-662.

Kitcher, (1984) '1953 and All That: A Tale of Two Sciences' [CIEB]

Rosenberg, A. (2007) 'Reductionism (and Antireductionism) in Biology' in Hull & Ruse (2007) *The Cambridge Companion to the Philosophy of Biology*, New York: Cambridge University Press.

Sober, E. (1999) 'The multiple realizability argument against reductionism' [CIEB]

Waters, C. K. (1990) 'Why the antireductionist consensus won't survive the case of classical genetics' [CIEB]

9 Η έννοια της γενετικής πληροφορίας και βιολογική επικοινωνία

PB 144-157

G κεφ. 5+6

Godfrey-Smith & Sterelny 'Biological Information' [SEP]

Προτεινόμενα άρθρα:

Maynard Smith (2000) 'The Concept of Information in Biology', *Philosophy of Science* 67:177-194.

10 Βιολογικοί νόμοι και μηχανισμοί

PB 11-27

SaD κεφ. 15.2

DG μέρος 3

Προτεινόμενα άρθρα:

Beatty, J. (1995) 'The Evolutionary Contingency Thesis' [CIEB]

Brandon (1997) 'Does biology have laws?', *Philosophy of Science* 64: Supplement.

Cleland (2011) 'Prediction and Explanation in Historical Natural Science', *British Journal of Philosophy of Science* 62: 551-582.

Machamer et al (2000) 'Thinking about mechanisms', *Philosophy of Science* 67: 1-25.

Sober, E. (1997) 'Two Outbreaks of Lawlessness in Recent Philosophy of Biology' [CIEB]

Waters (1998) 'Causal Regularities in the Biological World of Contingent Distributions', *Biology and Philosophy* 13: 5-36.

11 Εξελικτικές εξηγήσεις κοινωνικής συμπεριφοράς και συνεργασίας

PB 120-136

SaD κεφ. 13

Alexander, J. M. 'Evolutionary Game Theory' [SEP]

Προτεινόμενα άρθρα:

Axelrod & Hamilton (1981) 'The evolution of cooperation', *Science* 211: 1390-1396.

12 Καθολικός δαρβινισμός, εξέλιξη του πολιτισμού και ανθρώπινη φύση

PB 45-49, 136-143

SaD κεφ. 13

Downes 'Evolutionary Psychology' [SEP]

Προτεινόμενα άρθρα:

Hull (1986) 'On human nature', *PSA 1986* Volume 2: 3-13.

Kitcher (1993) 'Four ways of "biologizing" ethics' [CIEB]

Lewens (2006) 'Memes' in *Darwin*, Routledge.

Machery 'A plea for human nature', *Philosophical Psychology* 21: 321-329.