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- : (Jonathan Latham)
 - : [“The Meaning of Life \(Part I\)”](#) (2017.10.24)
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 - : [“The Meaning of Life \(Part I\)”](#)
“Genetics Is Giving Way to a New
Science of Life”
-

(James Watson) (Francis Crick) DNA
1953 DNA . DNA 1953 30
DNA . DNA 1920
DNA
(1917)
(公憤)
. 1911 (Harry Pratt Judson)
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1929

(Max Mason)

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. (Lily Kay
Molecular Vision of Life, 1993)

Lily Kay

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(Edmund E. Day)

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(Warren

Weaver)

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(Kay, 1993).

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(Nicolas Rashevsky) 가
([Abraham, 2004](#)) (記述)

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(George Beadle)

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(Kay, 1993).

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(Desmond, 1998).

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(Darwin's

Bulldog)

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(salique law)—

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.(Desmond, 1998).

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’(protoplasm)

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(Wallace, 2009).

(Gundle et al., 2010).

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(Vrecko, 2008).

1920

1930

(Adolf Hitler)

'(genome sequencing)

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1 '(presumptive primary cause)

DNA

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(Mullis, 1997).

5.

1865

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(Herbert Spencer) (E. O. Wilson),
(Richard Dawkins), (Steven Pinker), , DNA
(含意) 『
: 『(Sociobiology: The new synthesis, 1975) 『
『(The Selfish Gene, 1976) 『 『(The Extended
Phenotype, 1982)

. DNA
가 , , — • , , ,
(가 [Kales et al., 1980](#)). 가

6. ‘ , ’
2016 (Gary Greenberg,)
「 [\(棺\) 가?](#) 」 .(([] ‘ ’ 가 .)) ‘ ’ “
(反) ” (Richard Lerner)([Lerner, 2007](#))
“ ” (Douglas Wahlsten)([2012](#))

가 ()

가 가 . 2013
가 MIT < > (([

] 「 (Eric Lander) .) 「 (phantom) 4가
([Zuk et al., 2013](#)). 180

가 ([Ioannidis, 2007](#))
가 ([Manolio et al., 2009](#); [Dermitzakis and Clark, 2009](#)) 가
([Ioannidis and Panagiotou, 2011](#)) 가
([Buchanan et al. 2006](#); [Wallace, 2006](#); [Charney and English, 2012](#)).

() 가 .

UC
C. (Richard C Strohman) 1997 「
」 ([“The coming Kuhnian revolution in biology”](#))

“ [] ” , “
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,(([] (A short guide
to alternative paradigms of life) .))
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가 DNA 가 DNA
가 DNA 가가 DNA
—RNA , —

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GMO

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DNA가

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(prescientific vitalism)

DNA가

7.

1860

(Ernst Haeckel)

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(John Morley, 1882, Desmond 1998

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>(NY Review of Books)

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『(Sociobiology: a New Synthesis)

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Mindless Societies

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[and Joseph, 2013](#))

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(Dorothy Nelkin)

(Susan Lindee)

(Preface to the second edition, *The DNA Mystique: The gene as a cultural icon*, 2004).

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(Adolf Eichmann)

(Hannah

Arendt)

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”(banality of evil)

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