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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 1920
DNA
(1917)
(公憤)
. 1911 (Harry Pratt Judson)
. 1913
“ 가 ”
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가 가 .
, 가 ‘ (psychobiology)
가 • •

1. “ ”

1900

1929 (Max Mason) 가

“ ”

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가 ,

(Lily Kay 『 The

Molecular Vision of Life, 1993)

(Edmund E. Day) “ ”

“ ” (Warren

Weaver) “ ”

“ ”

가 가 “

” 1930 가

“ ” (Kay, 1993).

2.

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가

“ (([]))
“ ” .))
 (Nicolas Rashevsky) 가
(Abraham, 2004) (記述)

1933

(1)
(George Beadle) ‘ , DNA
1953 18

(Kay, 1993). 1989

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(2)

1953

DNA

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3.

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(Desmond, 1998).

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(([]

(Darwin’s

Bulldog) .))

가

“ (salique law) —

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가

.(Desmond, 1998).

가 ‘ (protoplasm)

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4.

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1950
3 7

(Wallace, 2009).

(Gundle et al., 2010).

가 ()
(Vrecko, 2008).

1920 1930 (Adolf Hitler)

’(genome sequencing) 가 DNA가 ,
가

1 ’(presumptive primary cause)
DNA “ ” (Mullis, 1997).

5.
1865 “ [] ” 가

가

(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 < > (([

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(Eric Lander) .)) ‘ (phantom)
(Zuk et al., 2013). 180 4가

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).

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가 .

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

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,([] (A short guide
to alternative paradigms of life) .))

가 “ ” — • • • • •

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가 DNA 가 DNA
가 DNA 가가
DNA
—RNA , —

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GMO

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DNA가

DNA

(prescientific vitalism)

DNA가

7.

1860

(Ernst Haeckel)

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(1882)

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”(John Morley, 1882, Desmond 1998)

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가 DNA

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1975 < >(NY Review of Books)
, E.O. 『 : 『(Sociobiology: a New Synthesis)
(([] C.H. Waddington 1975 8 7
Mindless Societies .))

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and Joseph, 2013)

(Chaufan
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(Adolf Eichmann)

(Hannah

Arendt)

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”(banality of evil)

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