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- : (Jonathan Latham)
  - : “The Meaning of Life (Part I)” (2017.10.24)
  - :
  - :
  - : “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)  
. 1913  
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(psychobiology)

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1900

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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1953

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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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1950  
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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 “ ” (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  
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 (가 Kales et al.,  
 1980). 가

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

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 가 MIT < > (( [

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

가 1993

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

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가 DNA 가 DNA 가가 DNA 가 —RNA , —



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GMO

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DNA가

DNA

(prescientific vitalism)

DNA가

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1860

(Ernst Haeckel)

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(1882)

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(John Morley, 1882, Desmond 1998

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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)

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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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