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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)  
. 1913  
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, 가 ‘ (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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” 1930

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(Kay, 1993).

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

1933

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. (1)

(George Beadle)

1953

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(Kay, 1993).

1989

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(2)

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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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4.

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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)

가 DNA가

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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) ㅍ  
: ㅍ(Sociobiology: The new synthesis, 1975) ㅍ  
ㅍ(The Selfish Gene, 1976) ㅍ ㅍ(The Extended  
Phenotype, 1982)

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

6. ' ,  
2016 (Gary Greenberg, )  
「 [\(棺\) 가?](#) 」 .(( [  
] ' ' 가 .)) ' ,  
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(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](#)).

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

“ [ ] ” , “  
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가 1993

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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)

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7.

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(Ernst Haeckel)

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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](#))

([Chaufan](#)  
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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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( 『 II』 )

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