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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”
- 

1953 DNA (James Watson) (Francis Crick) DNA  
DNA 1953 30  
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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(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)

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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)

. DNA  
가 , , ,  
(가 [Kales et al., 1980](#)).  
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6. ‘ , ’  
2016 (Gary Greenberg, )  
「 [\(棺\) 가?](#) 」 .(( [ ] ‘ , ’ 가 .)) ‘ , ’ “  
(反) ” (Richard Lerner)([Lerner, 2007](#))  
“ ” (Douglas Wahlsten)([2012](#))

가 ( )  
가  
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가 MIT < 2013 > (( [ ]

] 「 (Eric Lander) .) 」 ‘ (phantom) 4가

([Zuk et al., 2013](#)). 180

가 ([Ioannidis, 2007](#)) 가 ([Manolio et al., 2009](#); [Dermitzakis and Clark, 2009](#))

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

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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) .))

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가 DNA 가 DNA 가가 DNA

DNA

—RNA ,

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GMO

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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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>(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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[coffin?](#) Developmental Psychobiology 9999: 1-2.

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