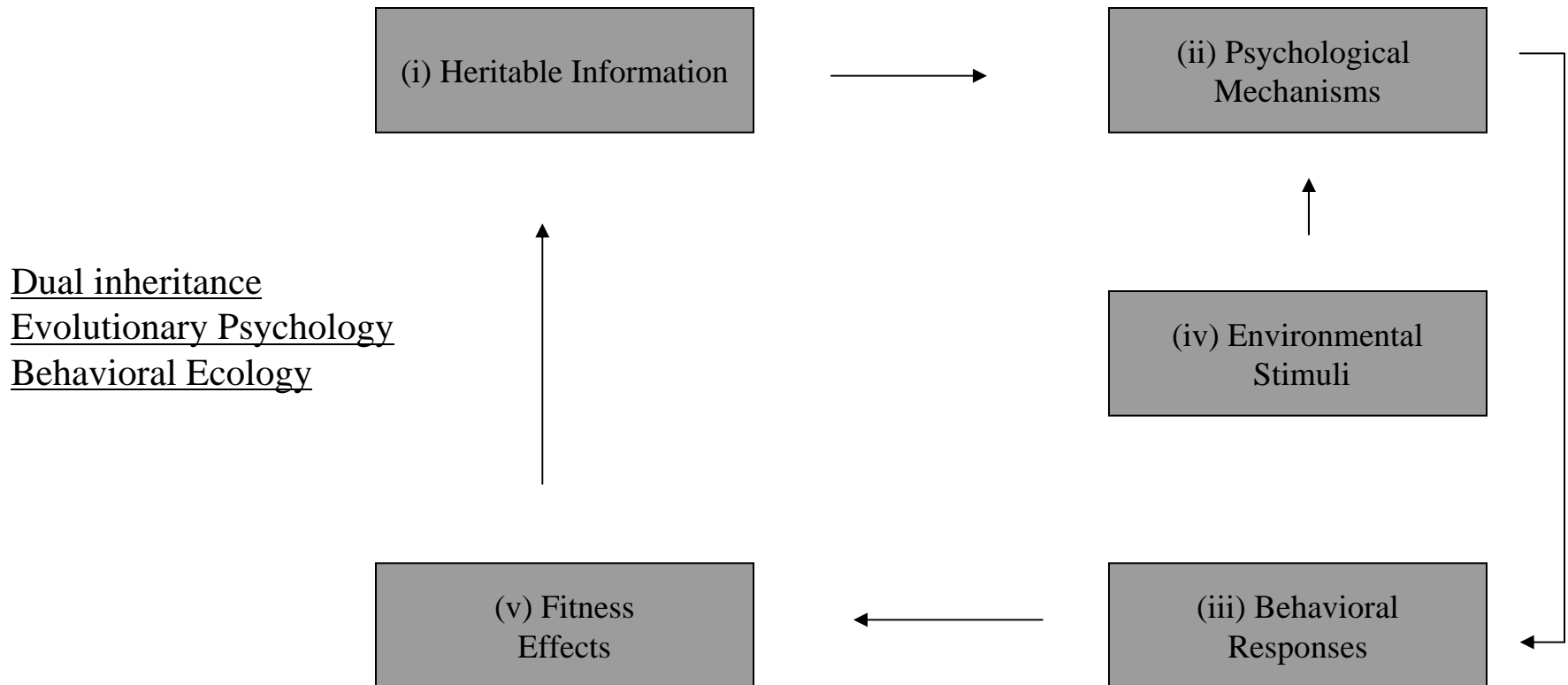


Diversity in Evolutionary Approaches to Behavior

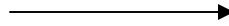
Field and Approach	Evolutionary Psychology	Behavioral Ecology	Dual Transmission Theory
Expandum	Psychological mechanisms	Behavioral Strategies	Cultural evolution
Key constraints	Cognitive, genetic	Ecological, material	Structural, information
Temporal scale of adaptive change	Long-term (genetic)	Short-term (phenotypic)	Medium term – cultural
Expected current adaptiveness	Lowest	Highest	Intermediate
Hypothesis generation	Informal inference	Optimality and ESS models	Population level models
Hypothesis testing	Survey, lab experiment	Quantitative ethnographic observation	Mathematical modeling and simulation
Favored topics	Mating, parenting, sex differences	Subsistence, reproductive strategies	Large scale cooperation, maladaptation

Components of a reasonably complete evolutionary explanation of behavior: some differences in foci.



Dual Inheritance Focus

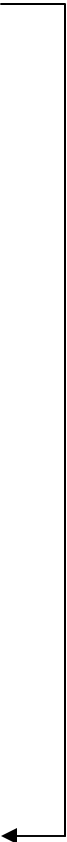
(i) Heritable Information
(memes or investment rules)



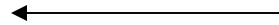
(ii) Psychological
Mechanisms
(What rules apply in this
case?)



(iv) Environmental
Stimuli



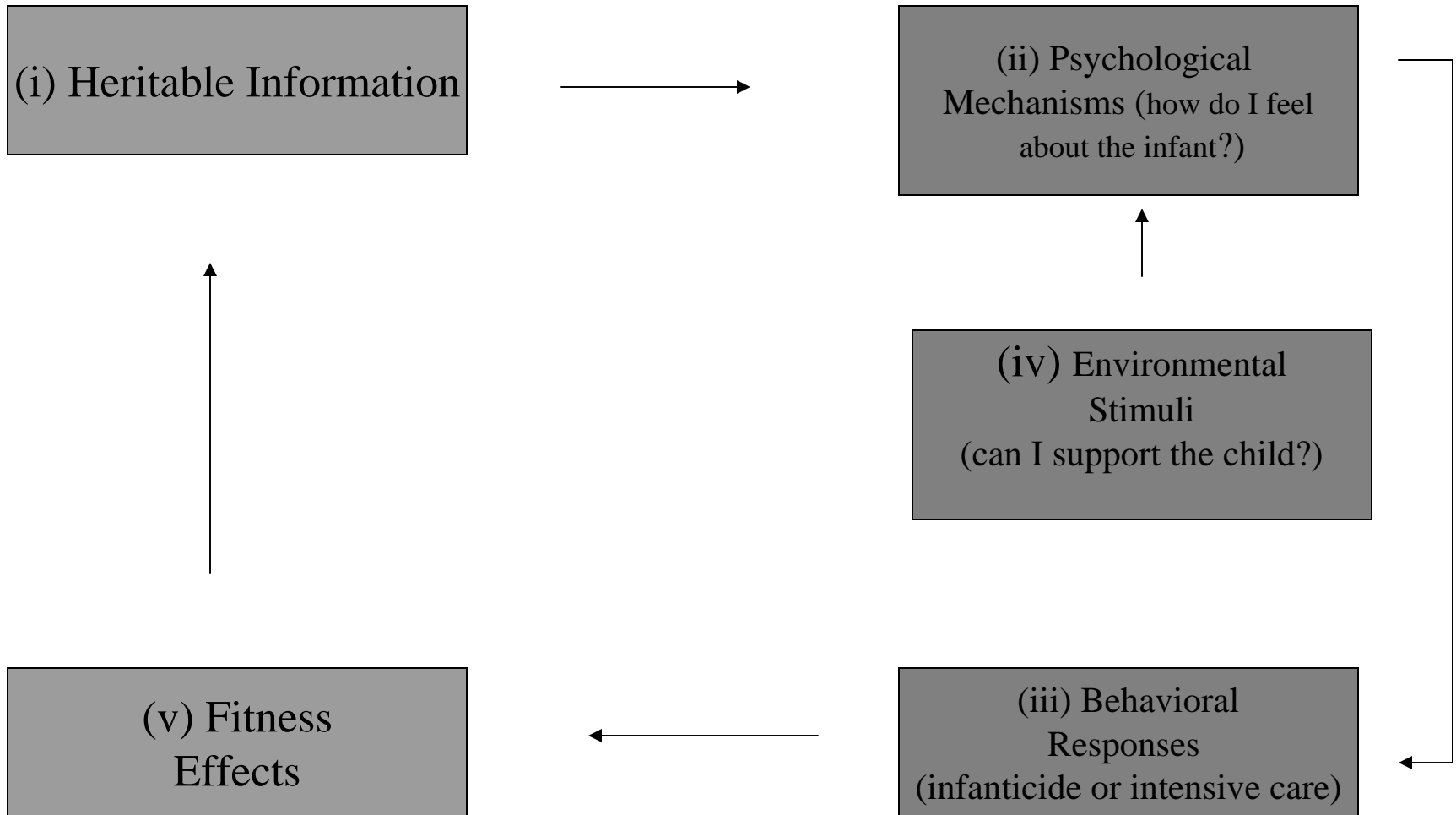
(iii) Behavioral
Responses



(v) Fitness
Effects (increase in memes)



Evolutionary Psychology



Behavioral Ecology

