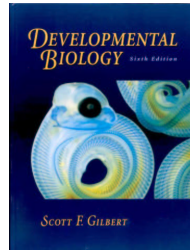


QUOTATIONS

“Developmental biology has been described as the last refuge of the [computationally] incompetent scientist.



This phenomenon, however, is not going to last.”

QUOTATIONS CONTINUED

“Community of embryonic structure reveals community of descent.”

“Nothing in biology makes sense except in the light of evolution.”

HISTORICAL CONTEXT

von Baer 1828

Über Entwicklungsgeschichte der Tiere

Haekel 1866

Generelle Morphologie der Organismen

Roux 1894

Problems, methods, and scope of developmental mechanics

Gould 1977

Ontogeny and Phylogeny

HOMEOTIC MUTATION



HOMEOTIC TRANSFORMATION

one structure changes to assume likeness for another

results from mutations in *Hox* genes



Hox GENES

