Where’d you get those peepers? How eyes and other complex organs evolve

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A century and a half ago, the origin of complex organs such as the human eye seemed explicable only in terms of supernatural design. Darwin provided the basic framework for a scientific answer to the question in The Origin of Species, but he nonetheless admitted that thinking about the eye gave him a "cold shudder". A great deal of new information has arisen in the roughly 150 years since Darwin first addressed the problem of eye evolution -- including insights from genetics, molecular biology, comparative anatomy, developmental biology, and evolutionary theory. This talk provides an overview of both the concepts and current data that provide an understanding of how eyes and other complex organs come to be.

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