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Cover Legend: The Birds of America, PLATE LXXXI: Fish Hawk or Osprey, Falco hallaetus, Vulgo Weakfish, 1830; John James Audubon (1785–1851) and Robert Havell, Jr. (1793–1878). With no formal training and no scientific credentials, Audubon gained worldwide fame for the publication of "The Birds of America", a landmark in art and ornithology. A French émigré to America, Audubon set himself the ambitious goal of documenting all of the birds of North America, in life size, natural action, and habitat—a dramatic shift from the conventional static poses. Traveling throughout the states, he produced over 435 watercolor drawings and hoped to turn them into marketable engravings. Robert Havell, Jr., was the man for the job in London. Over a period of 12 years, from 1826 to 1838, Audubon and Havell collaborated on a four-volume compendium of double elephant-size (39×28), hand-colored engravings. Worldwide praise ensued: Baron Cuvier called the achievement "the greatest monument yet erected in Art to Nature"; Darwin cited Audubon's work three times in "The Origin of Species"; and President Andrew Jackson invited Audubon to the White House. The scene on our cover is a dramatic encounter between hunter and hunted. It was observed at Great Egg Harbor, New Jersey, in June 1829. The male osprey soars upward, shakes water from his outstretched wings, and tightly grips his prey, face-forward, to reduce wind resistance. The drama is enhanced by the sharp diagonal thrust of the upraised right wing and the fish’s "goner" expression. Audubon has, however, a more compassionate story to tell. In his diary, he writes that the fish hawk is one of the most gregarious members of his species and a true family man. He does all the catering for his mate during breeding, incubation, and 6 weeks of nesting, and continues as chief fishmonger for the family until the offspring reach maturity. In this issue, we learn that host/pathogen interactions are also more complex than that of hunter to hunted. The host’s CD33rSiglec-encoding gene cluster undergoes rapid evolution, driven by the need to maintain self-recognition by innate immune cells, while escaping two distinct mechanisms of pathogen subversion. Image ©Corbis; text by Ann Weissmann.