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On the cover: Proteasome Bashe Dragons Devouring and Digesting Ubiquinated Substrates. Painting by Julie Newdoll, www.brushwithscience.com. In the cytosol (the ocean region in the painting) certain protein "fish" have been tagged for degradation by a seaweed-like chain of ubiquitin wrapped around their tails. One such fish is being shuttled towards the proteasome "dragon" by a fish-tailed sea god, while others are drifting towards destruction on their own. After digestion, the protein "fish" can be seen expelled from the other end of the dragon as bones. In Chinese mythology, Bashe Dragons are said to eat elephants and excrete their bones years later. In the nucleus, the bright orange land of the underworld in the painting, the black silhouette of a second proteasome dragon can be seen involved in the same task. This dragon is similar, but not the same, as the one in the cytosol in ways that are not yet understood.

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