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Alexander Lazar and **Michelle L Wachs*** (wachs@math.miami.edu). *New combinatorial models for the Genocchi and median Genocchi numbers.*

The Genocchi numbers and median Genocchi numbers are classical sequences of numbers, which have been defined in many ways. In 1974, Dumont gave an interpretation of the Genocchi numbers in terms of permutations now known as Dumont permutations, and in 1981 Barsky and Dumont did the same for the median Genocchi numbers. They also obtained generating function formulas for these numbers. Here we present some new models for these numbers in terms of permutations that are related to the Dumont permutations. These models arose from studying the chromatic polynomials of certain bipartite graphs known as Ferrers graphs. We also obtain generating function formulas for the chromatic polynomials, which reduce to those of Barsky and Dumont. (Received August 04, 2020)