Summary: Genetic interventions are an increasingly powerful eugenic resource, raising ethical suspicions. Critics condemn them, alleging severe negative consequences for society and the manipulated individuals involved. I will consider some influential general arguments (consequentialist and non-consequentialist) proposed against artificially selecting the next generation and conclude that the arguments are insufficient to cast blanket prohibitions against genetic interventions. Eugenic projects, I will suggest, are compatible in principle with the pursuit of dignity, freedom, and tolerance at the individual and social levels. But the ethical challenges raised by genetic interventions are real and vital. Still, it seems more ethically beneficial to approach the obstacles piecemeal through public-level arguments informed by science and specific to the cases encountered.