Heat wave-related mortality is higher than that of all other disasters combined. With climate change, heat waves are an increasing threat to health. This presentation will explore two facets of this situation. Drawing from in-depth qualitative research in Detroit, New York City, Philadelphia, and Phoenix, I explore why vulnerable populations and local governments have difficulty responding to this increased risk. Second, I present a new approach to addressing heat risk for vulnerable populations—individual biosensors. I explore how innovations in this field could transform the embodiment of risk, therefore improving resilience in the face of climate change.