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Dr. Wexler has worked on the atmospheric transport and transformation of airborne particles for over 20 years. Currently, he is investigating how early childhood exposure may lead to lung function decrements, where particles deposit in the airways, the thermodynamic properties of organic and inorganic compounds in the atmosphere, ion mobility spectrometry for aerosol chemical composition analysis, and source-oriented sampling of ambient particles.

He earned his B.S. in Engineering Physics at UC Berkeley, an M.S. in Mechanical Engineering at Massachusetts Institute of Technology and Ph.D. in Mechanical Engineering at California Institute of Technology.