

## Kari Nadeau to present December distinguished lecture

By Kelly Lenox

The final talk of the 2014 NIEHS Distinguished Lecture Series 11:00 a.m. Dec. 16 will feature Kari Nadeau, M.D., Ph.D., director of the Allergy Center at Stanford University School of Medicine. Hosted by Gwen Collman, Ph.D., director of the NIEHS Division of Extramural Research and Training, Nadeau will discuss "How Pollution Exposure Leads to Immune Dysfunction: The Role of Epigenetics and Multiplex Immunophenotyping Studies."

"Dr. Nadeau effectively works to link mechanistic immunology studies with epidemiological outcomes of ambient air pollution exposure," said Collman. "As a practicing clinician, Kari brings a unique perspective to her work."

Early life exposure to ambient air pollution is associated with childhood asthma, but the mechanisms are not well understood. Through NIEHS-supported research at two NIEHS/EPA Children's Environmental Health and Disease Prevention Research Centers — the Dartmouth College center and the University of California, Berkeley/Stanford center — Nadeau focuses on the link between exposure indicators and asthma outcomes by studying immune system changes in children exposed to elevated levels of polycyclic aromatic hydrocarbons.



*Nadeau has published more than 70 peer-reviewed papers, many of which focus on T cells and health outcomes. (Photo courtesy of Stanford University)*

In addition to her NIEHS-funded research, [Nadeau](http://nadeaulab.stanford.edu/) (<http://nadeaulab.stanford.edu/>)

is renowned for her translational research into childhood food allergies. At the [Stanford Allergy Center](http://foodallergies.stanford.edu/about_us/) ([http://foodallergies.stanford.edu/about\\_us/](http://foodallergies.stanford.edu/about_us/))

, she oversees therapy and prevention studies, networking with scientists from a broad range of disciplines.

### Linked Video

[Watch Dr. Nadeau and two of her patients discuss successful treatment of multiple food allergies in this Food Allergy Research and Education video. \(4:56\)](#)

Dr. Nadeau has received honors and awards from the American Academy of Allergy, Asthma, and Immunology; the American Lung Association; the Clinical Immunological Society; Food Allergy Research and Education Inc.; and National Institutes of Health. She has also received grant support from the U.S. Environmental Protection Agency [STAR Grant](http://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/recipients.welcome/displayOption/grants) ([http://cfpub.epa.gov/ncer\\_abstracts/index.cfm/fuseaction/recipients.welcome/displayOption/grants](http://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/recipients.welcome/displayOption/grants)) program.

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