



- Associate Professor
- Department of Pediatrics
- Division of Cell Biology

Conditions Treated:

Research Areas:

- *Alpha-1 Antitrypsin Deficiency Overview*
- *Emphysema*
- *Cellular and Molecular Biology*

Programs & Services:

- *Cell Biology*

Research Interests

Bronchial asthma; as asthma is the most common chronic inflammatory lung disease, I intend to elucidate the disease mechanisms and explore a new therapeutic approach.

Emphysema; as emphysema is a terminal stage of lung damage in lung diseases such as cigarette smoking-associated COPD or Alpha 1-antitrypsin deficiency, which is a genetic disease. My goal is to explore a novel therapeutic tool to repair and normalize damaged lung tissue.

Board Certification

Japanese Society of Internal Medicine

Education

1984 Tottori University, MD

1993 Okayama Medical School, PhD

Professional Memberships

American Thoracic Society (ATS)

Japanese Society of Internal Medicine

Awards & Recognition

1998: Astra Research Grant (Competitive Grant for Asthma Research, Japan)

2010: ATS Grant "Alpha-1 Foundation Research Grant in Alpha-1"

Publications

Takeda K, et al. Immunomodulatory Effects of Ambroxol on Airway Hyperresponsiveness and Inflammation. *Immune Netw.* 2016;16:165-75.

Takeda K, et al. Eosinophils contribute to the resolution of lung-allergic responses following repeated allergen challenge. *J Allergy Clin Immunol.* 2015;135:451-460.

Takeda K, et al. The Critical Role of Complement Alternative Pathway Regulator Factor H in Allergen-Induced Airway Hyperresponsiveness and Inflammation. *J Immunol.* 2012 188:661-7. 9.

Takeda K, et al. Effects of combination therapy with montelukast and carbocysteine in allergen-induced airway hyperresponsiveness and airway inflammation. *Br J Pharmacol*, 2010, 160:1399-407. 14.

Takeda K, et al. Vaccine-Induced CD8⁺ T Cell-Dependent Suppression of Airway Hyperresponsiveness and Inflammation. *J Immunol.* 2009, 183:181-90.

Doctor's Contact Information

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Locations

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