



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

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#### 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<sup>+</sup> T Cell-Dependent Suppression of Airway Hyperresponsiveness and Inflammation. *J Immunol.* 2009, 183:181-90.

**Doctor's Contact Information**

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