



Mindy Tsai

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BIO

Mindy Tsai is Sr. Research Scientist in the Department of Pathology. She received the D.M.Sc. (Doctor of Medical Sciences) in Oral Biology from Harvard School of Dental Medicine and completed her postdoctoral training at Harvard Medical School. Dr. Tsai's research focuses on studies that are designed to understand the regulation of mast cell and basophil development and to elucidate the roles of these cells in health and disease. Dr. Tsai's research approaches include in vitro analyses of mast cells and basophils in human and mice, as well as using mouse models of disease to investigate the effector and immunoregulatory functions of these cells in vivo.

Publications

PUBLICATIONS

- **A hand-operated microfluidic sample preparation-to-analysis workflow for simplifying the basophil activation test.** *Lab on a chip*
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- **IgE antibodies increase honeybee venom responsiveness and detoxification efficiency of mast cells.** *Allergy*
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