

# Study of the expressions of differentiation factors to olfactory neuron in the olfactory epithelium of human and the other animal

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# 2004 Fiscal Year Final Research Report Summary

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Study of the expressions of differentiation factors to olfactory neuron in the olfactory epithelium of human and the other animal.

Research Project

## Project/Area Number

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15591801

## Research Category

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Grant-in-Aid for Scientific Research (C)

## Allocation Type

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Single-year Grants

## Section

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一般

## Research Field

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Otorhinolaryngology

## Research Institution

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Kanazawa University

## Principal Investigator

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**MIWA Takaki** KANAZAWA UNIVERSITY, MEDICAL SCIENCE, ASSOCIATE PROFESSOR, 医学系研究科, 助教授 (20229909)

## Co-Investigator(Kenkyū-buntansha)

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## Project Period (FY)

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2003 – 2004

## Keywords

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olfactory mucosa / olfactory neuron / biopsy / tissue culture

## Research Abstract

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The purpose of this research was to prove the expression of some factors related with differentiation to the mature olfactory neuron in human olfactory mucosa. The olfactory mucosa removed by a special forceps under the patient's agreement were divided three types, existing olfactory neural cells, existing only respiratory column cells and missing any epithelial cells by the mechanical artifacts. Some neural markers were observed-sparsely in the olfactory epithelium by immunohistochemical study. However, any markers related with neural differentiation were not found in the human olfactory epithelium and cultured tissue in this experiment system. It is seemed that more ingenuity is needed at the course of removal, fixation and tissue culture of olfactory epithelium.

## Research Products (10 results)

	All	2006	2005	2004
	All	Journal Article (9 results)		Book (1 results)
[Journal Article] 嗅覚障害の診断と治療 課題と今後の展望				2006 ▼
[Journal Article] 嗅覚障害の診断と治療				2005 ▼
[Journal Article] Middle turbinate fenestration method : A new technique for the treatment of olfactory disturbance due to chronic sinusitis				2005 ▼
[Journal Article] 感冒罹患後ならびに外傷嗅覚障害に対する当帰芍薬散の治療効果				2005 ▼
[Journal Article] Middle turbinate fenestration method : A new technique for the treatment of olfactory disturbance due to chronic sinusitis.				2005 ▼
[Journal Article] 嗅覚障害患者を対象としたスティック型嗅覚検査法の臨床的有用性に関する研究				2004 ▼
[Journal Article] Olfactory impairment and Parkinson disease-like symptoms observed in the common marmoset following administration of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine				2004 ▼
[Journal Article] Olfactory impairment and Parkinson disease-like symptoms observed in the common marmoset following administration of 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine.				2004 ▼
[Journal Article] Clinical usefulness of odor stick identification test for patients with olfactory disturbance.				2004 ▼
[Book] 耳鼻咽喉科診療プラクティス13 耳鼻咽喉科・頭頸部外科領域の外傷と異物				2004 ▼

URL: [https://kaken.nii.ac.jp/report/KAKENHI-PROJECT-15591801/155918012004kenkyu\\_seika\\_hokoku\\_](https://kaken.nii.ac.jp/report/KAKENHI-PROJECT-15591801/155918012004kenkyu_seika_hokoku_)

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