

Curriculum Vitae – Hisashi Tanigawa

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Personal Information:

Name Hisashi Tanigawa
Title PhD
Date of birth: September 21, 1970
Nationality: Japanese
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 Vanderbilt University
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Education/Training:

2001 Ph.D. Osaka University Medical School, Osaka, Japan
 (Physiology, supervisor: Ichiro Fujita)
1996 M.M.S. Osaka University Medical School, Osaka, Japan
 (Physiology, supervisor: Ichiro Fujita)
1994 B.S. Tohoku University, Faculty of Science, Sendai, Japan
 (Biology, supervisor: Hiroyuki Ide)

Positions:

2006-present **Postdoctoral associate** (laboratory of Anna W. Roe)
 Vanderbilt University, Nashville, TN
2002-2006 **Postdoctoral associate** (laboratory of Manabu Tanifuji)
 RIKEN Brain Science Institute, Wako, Japan
2001-2002 **Postdoctoral fellow** (laboratory of Ichiro Fujita)
 Graduate School of Engineering Science, Osaka, Japan
 Supported by Japan Society for the Promotion of Science

Honors:

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| 2010 | Accommodation Award for the Annual Meeting of Japan Neuroscience Society (Kobe, Japan) |
| 2001 | Japan Society for the Promotion of Science, Postdoctoral Fellowship |
| 1995-2000 | Japan Scholarship Foundation: Scholarship for Graduate Student |
| 1989-1994 | Japan Scholarship Foundation: Scholarship for Undergraduate Student |

Memberships:

- Society for Neuroscience
- Japan Neuroscience Society

Peer-reviewed primary publications:

Tanigawa H, Lu HD, Roe AW (2010) Functional organization for color and orientation in macaque V4. *Nature Neuroscience* 13: 1542-1548

Lu HD, Chen G, **Tanigawa H**, Roe AW (2010) A direction map in macaque V2 but not in V1. *Neuron* 68: 1002-1013

Tanigawa H, Wang QX, Fujita I (2005) Organization of horizontal axons in the inferior temporal cortex and primary visual cortex of the macaque monkey. *Cerebral Cortex* 15: 1887-1899

Xu LH, **Tanigawa H**, Fujita I (2001) Distribution of α -amino-3-hydroxy-5-methyl-4-isoxazolepropionate-type glutamate receptor subunits (GluR2/3) along the ventral visual pathway in the monkey. *Journal of Comparative Neurology* 456: 396-407

Tanigawa H, Fujita I, Ojima H, Kato M (1998) Distribution, morphology, and γ -aminobutyric acid (GABA) immunoreactivity of horizontally projecting neurons in the macaque inferior temporal cortex. *Journal of Comparative Neurology* 401: 129-143

Presentations:

Tanigawa H, Roe AW (2010) Distribution of attentional modulation in macaque V4 revealed by intrinsic signal optical imaging at two illuminant wavelengths. The Society for Neuroscience Conference, San Diego, CA (**Poster**)

Yang SR, **Tanigawa H**, Roe AW (2010) Feature-based attentional modulation in the hemodynamic responses of macaque V4. The Society for Neuroscience Conference, San Diego, CA (**Poster**)

Tanigawa H, Roe AW (2010) Distribution of attentional modulation in macaque V4 revealed by intrinsic signal optical imaging. Japan Neuroscience Society Conference, Kobe, Japan (**Oral presentation**)

Tanigawa H, Roe AW (2008) Attentional modulation in macaque area V4 revealed by optical imaging. The Society for Neuroscience Conference, Washington, D.C. (**Oral**)

presentation)

Tanigawa H, Lu H, Chen G, Roe AW (2008) Functional subdivisions in macaque V4 revealed by optical imaging in the behaving Macaque monkey. The Visual Sciences Society Conference, Naples FL (**Oral presentation**)

Tanigawa H, Lu H, Chen G, Roe AW (2007) Functional organization of foveal V4 revealed by optical imaging in the behaving Macaque monkey. The Society for Neuroscience Conference, San Diego, CA (**Oral presentation**)

Tanigawa H, Rockland KS, Tanifuji M (2004) Relationship between horizontal connections and functional structure revealed by intrinsic signal imaging, unit recording, and anatomical tracing in macaque anterior inferotemporal cortex (area TE). The Society for Neuroscience Conference, San Diego, CA (**Poster**)

Tanigawa H, Rockland KS, Tanifuji M (2003) Relationship between intrinsic horizontal connections and functional structure revealed by visual object stimuli in macaque inferotemporal cortex. The Society for Neuroscience Conference, New Orleans, LA (**Poster**)

Wang QX, **Tanigawa H**, Fujita I (1998) Postnatal development of horizontal axons in the inferior temporal and primary visual cortices in the monkey. The Society for Neuroscience Conference, Los Angeles, CA (**Poster**)

Xu LH, **Tanigawa H**, Fujita I (1998) Postnatal development of expression of mGluR2/3 and GluR2/3 in the primary visual cortex of the macaque monkey, Los Angeles, CA (**Poster**)

Tanigawa H, Fujita I (1997) Topographical relation between horizontal projections from adjacent sites in the macaque inferior temporal cortex: a double anterograde labeling study. The Society for Neuroscience Conference, New Orleans, LA (**Poster**)

Xu LH, **Tanigawa H**, Fujita I (1997) Modular structure and cortical hierarchy displayed by distribution of AMPA-type glutamate receptors in the monkey ventral visual cortical pathway, The Society for Neuroscience Conference, New Orleans, LA (**Poster**)

Fujita I, **Tanigawa H**, Ojima H, Kato M (1995) Neurons mediating horizontal interactions in the monkey inferior temporal cortex. The Society for Neuroscience Conference, San Diego, CA (**Poster**)

Tanigawa H, Fujita I, Ojima H, Kato M (1995) Cells of origin of horizontal axons in the monkey inferior temporal cortex, Fourth IBRO World Congress of Neuroscience, Kyoto, Japan (**Poster**)

Manuscripts in Preparation or Under Review:

Wang Q, **Tanigawa H**, Fujita I. Postnatal development of intrinsic horizontal axons in monkey inferior temporal and primary visual cortices. (manuscript in preparation for resubmission)

Tanigawa H, Roe AW. Response properties of functional domains in macaque V4 (manuscript in preparation)

Tanigawa H, Roe AW. Attentional modulation across functional domains in macaque V4 (manuscript in preparation)

Tanigawa H, Rockland KS, Tanifuji M. Relationship between horizontal connections and functional structure in macaque anterior inferotemporal cortex (area TE) (manuscript in preparation)

Wang Z, **Tanigawa H**, Roe AW. Neuronal selectivity and microcirculation localized at columnar level in primate visual cortex. (manuscript in preparation)