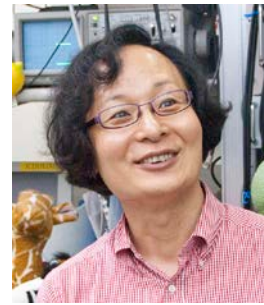


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Academic records, qualifications:

1978-1982 Osaka University, School of Engineering Science
1982 Bachelor of Engineering Science
1982-1987 Osaka University, Graduate School of Engineering Science
1987 Doctor of Engineering

Appointments:

1987-1992 Assistant Professor, National Institute of Physiological Sciences
1992-1996 Associate Professor, Fukui University, Department of Information Science
1994-1997 PRESTO Researcher, Japan Science and Technology Agency
1996-1997 Researcher, Frontier Research System, RIKEN
1997-2018 Lab. Head, RIKEN Brain Science Institute
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1998-2003 Adjunct Professor, Japan Advanced Institute of Science and Technology
2007-present Adjunct Professor, Waseda University, Department of Life Science
 and Medical Bioscience
2011-2014 Adjunct Professor, National Yang-Ming University, School of Life
 Science, Institute of Neuroscience (Taiwan)
2011-present Adjunct Professor, University of Tokyo, Department of Complexity Science
 and Engineering, Graduate School of Frontier Sciences, University of Tokyo

Memberships:

Society for Neuroscience, USA
Japan Neuroscience Society
The Biophysical Society of Japan

Honors and Awards:

2008 JSPS Award for Outstanding reviewer of Grants-in-Aid Applications

Bibliography:

Original articles:

- 1 Tanifuji, M., Sokabe, M. and Kasai, M. (1987) An Anion Channel of Sarcoplasmic Reticulum Incorporated into Planar Lipid Bilayers: Single-Channel Behavior and Conductance Properties. *J. Membr. Biol.* 99:103-111
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Reviews and book chapters:

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combinations of visual features in the macaque inferotemporal cortex. In: From Monkey Brain to Human Brain. The MIT Press, Cambridge. pp. 357-370

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Plenary lectures:

Tanifuji M, "Population coding of object images based on visual features and its relevance to view invariant representation" Neural Information Processing Systems Conference (NIPS 2007) Canada Vancouver 12 2007

Tanifuji M, "Functional structures and object images representation in inferior temporal (IT) cortex of macaque monkeys" IEEE 8th International Conference on Development and Learning (ICDL 2009) Shanghai, China, 6 2009

Invited lectures and seminars:

1. Tanifuji M, "Feature based representation of objects in inferotemporal cortex revealed by intrinsic optical imaging" Recent Advances in Understanding the Structure and Function of the Mammalian Visual Cortex Australia Canberra 2 1999
2. Tanifuji M, "Feature-based representation of objects in Macaque Area Te revealed by intrinsic optical imaging" 5th IBRO World Congress of Neuroscience Israel Jerusalem 7 1999
3. Tanifuji M, Tsunoda K, "Feature-based representation of objects in Macaque area Te revealed by intrinsic optical imaging" Neocortical Columns Israel Rehovot 7 1999
4. Tanifuji M, "Integrative neural systems: Feature-based representation of object images in monkey inferotemporal cortex" 1999 Annual Meeting of the Korea Brain Science Society Korea Seoul 11 1999
5. Tanifuji M, "Optical imaging from the monkey inferotemporal cortex:A combination rule for object image representation" Ericsson Workshop on Bio-IT Japan Odawara 4 2000
6. Tanifuji M, "Feature-based and object-based representation of visually presented objects in monkey inferotemporal cortex revealed by intrinsic signal imaging" Neural Information Processing Systems(NIPS'2000) USA Breckenridge 12 2000
7. Tanifuji M, "Optical imaging from the monkey inferotemporal cortex: A combination rule for object image representation " International Chemical Congress of Pacific Basin Societies (PACIFICHEM 2000) USA Honolulu 12 2000
8. Tanifuji M, Tsunoda K, "Internal representation of object images in monkey association cortex" Genes and Minds Initiative Workshop on Ape Genomics (GEMINI) Japan Tokyo 3 2001
9. Tanifuji M, "Feature-based representation of visually presented objects in monkey infero-temporal cortex revealed by intrinsic signal imaging" 2001 Stockholm Workshop on Computational Vision Sweden Stockholm 7 2001
10. Tanifuji M, Fukuda M, Rajagopalan U, "Reflection measurement from exposed cat cortex shows blood volume changes are localized to activated cortical columns" 2001 Minnesota

Workshop on MR Imaging of Brain Function USA Minneapolis 10 2001

11. Tanifuji M, Yamane Y, Tunoda K, "Object representation in monkey inferotemporal cortex by the combination of feature columns" 2nd RIKEN-MIT Neuroscience Symposium on New Frontiers in Brain Science: from Molecules to Mind USA Cambridge 11 2001
12. Tanifuji M, Yamane Y, Tunoda K, "Combination study of intrinsic signal imaging and extracellular recordings for understanding neural representation of objects in visual association cortex" Symposium on Advanced Photonic Science (The Third RIES-Hokudai Symposium, 彩(SAI) Japan Sapporo 12 2001
13. Tanifuji M, "Object representation in monkey inferotemporal cortex by the combination of feature columns" International Symposium on Attention & Performance XX: Functional Brain Imaging of Visual Cognition Italy Erice 7 2002
14. Tanifuji M, "Object representation in monkey visual association cortex" The Annual Symposium for Pattern Recognition of the DAGM (DAGM 02) Switzerland Zurich 9 2002
15. Tanifuji M, "Object representation in the inferotemporal cortex of monkeys" Colloquium on From Monkey Brain to Human Brain France Saint Germain en Laye 6 2003
16. Tanifuji M, "Representation of object images in the monkey inferotemporal cortex" 2004 Workshop on Generic Object Recognition and Categorization USA Washington DC 6 2004
17. Tanifuji M, "Neural representation of object images in the monkey inferotemporal cortex" Shanghai International Conference on Physiological Biophysics (Shanghai ICPB'04) China Shanghai 11 2004
18. Tanifuji M, "Representation of object images in the brain" Brain, Mind and Culture: Modern insights into 2500-year-old riddles, A neuroscience forum on the island of Aphrodite Cyprus Limassol 11-12 2004
19. Tanifuji M, "Functional brain imaging with light scattering changes elicited by neural activities" 5th IBRO Asia-Pacific Neuroscience School Thailand Bangkok 12 2004
20. Tanifuji M, "Representation of object images in the brain" 10th TNS Annual Conference 2004 Thailand Bangkok 12 2004

21. Tanifuji M, "Visualization of neural activities elicited by object images in visual association cortex with optical intrinsic signal imaging and dense multiple electrode array" International Symposium on Topical Problems of Biophotonics - 2007 Russia Nizhny Novgorod-Moscow-Nizhny Novgorod 8 2007
22. Tanifuji M, "Object representation in IT cortex at a columnar level" The 31st Annual Meeting of the Japan Neuroscience Society Japan Tokyo 7-9 2008
23. Tanifuji M, "The functional optical coherence tomography (fOCT): a technique to visualize 3D cortical functional structures" KSBNS-MCCS-Asia Conference 2011 Seoul Korea 9 2011
24. Tanifuji M, "View angle maps inside the face selective sub-region of anterior inferior temporal cortex" The 6th FAONS Congress and the 11th Biennial Conferences of CNS Wuzhen, China 9 2015
25. Tanifuji M, "Underlying Cortical Function and Structure for Object Recognition" The 5th Cinet General Conference Osaka 10 2015
26. Tanifuji M, "Searching for visual features driving face neurons in the higher visual cortex, inferior temporal cortex, in macaque monkeys" IEEE International Symposium on Video and Audio Signal Processing in the Context of Neurotechnologies St. Petersburg Russia 6 2017
27. Tanifuji M, "Machineries for forming center and periphery of receptive fields in monkey anterior inferior temporal cortex" IEEE International Symposium on Video and Audio Signal Processing in the Context of Neurotechnologies St. Petersburg Russia 7 2017