## Shigenori Nonaka, éäs -è è, ç̧ $€$

## List of Publications by Year

 in descending orderSource: https:|/exaly.com/author-pdf/6268217/publications.pdf
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Depletion of Ift88 in thymic epithelial cells affects thymic synapse and T-cell differentiation in aged
mice. Anatomical Science International, 2022, , 1 .

Near-wall rheotaxis of the ciliate <i>Tetrahymena</i> induced by the kinesthetic sensing of cilia. Science Advances, 2021, 7, eabi5878.

Colocalization Analysis of Lipo-Deoxyribozyme Consisting of DNA and Protic Catalysts in a
Vesicle-Based Protocellular Membrane Investigated by Confocal Microscopy. Life, 2021, 11, 1364.

Lightâ€sheet microscopyâ€based 3D singleâ€eell tracking reveals a correlation between cell cycle and the
4 start of endoderm cell internalization in early zebrafish development. Development Growth and Differentiation, 2020, 62, 495-502.

Transient microglial absence assists postmigratory cortical neurons in proper differentiation. Nature
Communications, 2020, 11, 1631.

Developmental analyses of mouse embryos and adults using a non-overlapping tracing system for all three germ layers. Development (Cambridge), 2019, 146, .

Evolutionary transformation of mouthparts from particle-feeding to piercing carnivory in Viper
7 copepods: Review and $\hat{A} 3 D$ analyses of a key innovation using advanced imaging techniques. Frontiers in Zoology, 2019, 16, 35.

Calaxin is required for cilia-driven determination of vertebrate laterality. Communications Biology,
2019, 2, 226.

System level analysis of motor-related neural activities in larval <i>Drosophila</i〉. Journal of
Neurogenetics, 2019, 33, 179-189.

Skeleton construction upon local regression of the sponge body. Development Growth and
Differentiation, 2019, 61, 485-500.

11 Stress-Fiber Wheel Rotation in Keratocytes. Seibutsu Butsuri, 2019, 59, 094-096.
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12 Simple mechanosense and response of cilia motion reveal the intrinsic habits of ciliates. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3231-3236.
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Influence of cellular shape on sliding behavior of ciliates. Communicative and Integrative Biology,
2018, 11, e1506666.

Rotation of stress fibers as a single wheel in migrating fish keratocytes. Scientific Reports, 2018, 8, 10615.

Axiallyâ€confined <i>inÂvivo</i> singleâ€cell labeling by primed conversion using blue and red lasers with
conventional confocal microscopes. Development Growth and Differentiation, 2017, 59, 741-748.

Live imaging of primary ocular vasculature formation in zebrafish. PLoS ONE, 2017, 12, e0176456.
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17 High-speed microscopy with an electrically tunable lens to image the dynamics ofin vivomolecular
complexes. Review of Scientific Instruments, 2015, 86, 013707.
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Live imaging and quantitative analysis of gastrulation in mouse embryos using light-sheet microscopy and 3D tracking tools. Nature Protocols, 2014, 9, 575-585.
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3SDA-04 Live imaging of whole organisms by light-sheet microscopy(Cutting-Edge Optical Imaging) Tj ETQq1 10.784314 rgBT /Overl

Asymmetric distribution of dynamic calcium signals in the node of mouse embryo during leftâ $€^{\prime \prime}$ right

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Live Imaging of Whole Mouse Embryos during Gastrulation: Migration Analyses of Epiblast and
Mesodermal Cells. PLoS ONE, 2013, 8, e64506.
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$1.1 \quad 66$

26 Light-Sheet Microscopy for Live Imaging. The Review of Laser Engineering, 2013, 41, 103.
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27 Multimodal light-sheet microscopy for fluorescence live imaging. Proceedings of SPIE, 2012, ,
28 Cilia at the Node of Mouse Embryos Sense Fluid Flow for Left-Right Determination via Pkd2. Science,
2012, 338, 226-231.
Light sheet-excited spontaneous Raman imaging of a living fish by optical sectioning in a wide field
Raman microscope. Optics Express, 2012, 20, 16195.

29 Raman microscope. Optics Express, 2012, 20, 16195.

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Cell movements of the deep layer of non-neural ectoderm underlie complete neural tube closure in
<i>Xenopus</i>. Development (Cambridge), 2012, 139, 1417-1426.
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31 High-Speed Imaging of Amoeboid Movements Using Light-Sheet Microscopy. PLoS ONE, 2012, 7, e50846. 16

32 Migration of neuronal precursors from the telencephalic ventricular zone into the olfactory bulb in
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59 adult zebrafish. Journal of Comparative Neurology, 2011, 519, 3549-3565.
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## Planar polarization of node cells determines the rotational axis of node cilia. Nature Cell Biology, <br> 33 2010, 12, 170-176.

Planar polarity of multiciliated ependymal cells involves the anterior migration of basal bodies regulated by non-muscle myosin II. Development (Cambridge), 2010, 137, 3037-3046.
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> Planar cell polarity of multiciliated ependymal cells regulated by non-muscle myosin II. Neuroscience
> Research, 2010,68, e 364 .
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| \# | Article | IF | Citations |
| :---: | :---: | :---: | :---: |
| 37 | Planar polarity decisions for directional beating of ependymal cilia and fluid flow in the adult mouse lateral ventricles. Neuroscience Research, 2009, 65, S54. | 1.0 | 0 |
| 38 | 16-P018 Cell polarity in the node for basal body positioning and nodal flow. Mechanisms of Development, 2009, 126, S267. | 1.7 | 0 |
| 39 | Cilia: Tuning in to the Cell's Antenna. Current Biology, 2006, 16, R604-R614. | 1.8 | 243 |
| 40 | De Novo Formation of Leftâ€"Right Asymmetry by Posterior Tilt of Nodal Cilia. PLoS Biology, 2005, 3, e268. | 2.6 | 273 |
| 41 | Notch signaling regulates left-right asymmetry determination by inducing Nodal expression. Genes and Development, 2003, 17, 1207-1212. | 2.7 | 207 |
| 42 | The left-right determinant Inversin is a component of node monocilia and other 9+0 cilia. Development (Cambridge), 2003, 130, 1725-1734. | 1.2 | 176 |
| 43 | Determination of leftâ $\epsilon^{\text {"right }}$ patterning of the mouse embryo by artificial nodal flow. Nature, 2002, 418, 96-99. | 13.7 | 596 |
| 44 | Left-Right Asymmetry and Kinesin Superfamily Protein KIF3A: New Insights in Determination of Laterality and Mesoderm Induction by kif3Aâ^/â^’ Mice Analysis. Journal of Cell Biology, 1999, 145, 825-836. | 2.3 | 419 |
| 45 | Abnormal Nodal Flow Precedes Situs Inversus in iv and inv mice. Molecular Cell, 1999, 4, 459-468. | 4.5 | 402 |
| 46 | Targeted Disruption of Mouse Conventional Kinesin Heavy Chain kif5B, Results in Abnormal Perinuclear Clustering of Mitochondria. Cell, 1998, 93, 1147-1158. | 13.5 | 590 |
| 47 | Randomization of Leftâ€"Right Asymmetry due to Loss of Nodal Cilia Generating Leftward Flow of Extraembryonic Fluid in Mice Lacking KIF3B Motor Protein. Cell, 1998, 95, 829-837. | 13.5 | 1,489 |
| 48 | Golgi Vesiculation and Lysosome Dispersion in Cells Lacking Cytoplasmic Dynein. Journal of Cell Biology, 1998, 141, 51-59. | 2.3 | 330 |
| 49 | The primary structure of rat brain (cytoplasmic) dynein heavy chain, a cytoplasmic motor enzyme.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 7928-7932. | 3.3 | 62 |

