

## Curriculum Vitae

\* Within 3 pages

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### **Educational Background**

1990 M.D., School of Medicine, Faculty of Medicine, The University of Tokyo  
 1990 University of Tokyo, School of Medicine, Graduating School (Pathology)

### **Professional Career**

1995 Postdoctoral researcher, Developmental Biology Center, University of California, Irvine, CA, USA  
 2010~ Chief, Division of Cancer Genomics, National Cancer Center  
 2014~ Professor, Laboratory of Molecular Medicine, The Institute of Medical Science, Human Genome Center, The University of Tokyo

### **Research Field**

Specialty and Research Field of Interest  
Cancer Genomics, Tumor Pathology, Bioinformatics

**Representative papers**

1. Saito-Adachi M, Hama N, Totoki Y, Nakamura H, ... Shibata T. Oncogenic structural aberration landscape in gastric cancer genomes. **Nat Commun.** 2023;14(1):3688.
2. Totoki Y, Saito-Adachi M, Shiraishi Y, Komura D, ... Shibata T. Multiancestry genomic and transcriptomic analysis of gastric cancer. **Nat Genet.** 2023 Apr;55(4):581-594.
3. Yachida S, Totoki Y, Noë M, Nakatani Y, ... Shibata T. Comprehensive Genomic Profiling of Neuroendocrine Carcinomas of the Gastrointestinal System. **Cancer Discov.** 2022 Mar 1;12(3):692-711
4. Moody S, Senkin S, Islam SMA, ... Shibata T, ... Stratton MR. Mutational signatures in esophageal squamous cell carcinoma from eight countries with varying incidence. **Nat Genet.** 2021 Nov;53(11):1553-1563.
5. Alexandrov LB, Kim J, Haradhvala NJ, Huang MN, ... PCAWG Consortium. The repertoire of mutational signatures in human cancer. **Nature.** 2020 Feb;578(7793):94-101.
6. Yachida S, Mizutani S, Shiroma H, Shiba S, ... Shibata T, Yamada T. Metagenomic and metabolomic analyses reveal distinct stage-specific phenotypes of the gut microbiota in colorectal cancer. **Nat Med.** 2019 Jun;25(6):968-976.
7. Hama N, Totoki Y, Miura F, Tatsuno K, ... Shibata T. Epigenetic landscape influences the liver cancer genome architecture. **Nat Commun.** 2018 Apr 24;9(1):1643.
8. Jusakul A, Cutcutache I, Yong CH, ... Shibata T, ... Tan P. Whole-Genome and Epigenomic Landscapes of Etiologically Distinct Subtypes of Cholangiocarcinoma. **Cancer Discov.** 2017 Oct;7(10):1116-1135.
9. Chaisaingmongkol J, Budhu A, Dang H, ... Shibata T, ... Wang XW. Common Molecular Subtypes among Asian Hepatocellular and Cholangiocarcinoma. **Cancer Cell.** 2017 Jul 10;32(1):57-70.
10. Alexandrov, LB, Ju YS, Haase K, ... Shibata T, ... Stratton MR. Mutational signatures associated with tobacco smoking in human cancer. **Science**, 2016, 354:618-622.
11. Fujimoto A, Furuta M, Totoki Y, ... Shibata T, Nakagawa H. Whole genome mutational landscape and characterization of non-coding and structural mutations in liver cancer. **Nat Genet**, 2016, 48:500-9.
12. Yachida S, Wood LD, Suzuki M, Takai E, ... Shibata T. Genomic sequencing identifies ELF3 as a driver of ampullary carcinoma. **Cancer Cell**, 2016, 29:229-40
13. Nakamura H, Arai Y, Totoki Y, Shiota T, ... Shibata T. Genomic spectra of biliary tract cancer. **Nat Genet**, 2015, 47:1003-10.
14. Totoki Y, Tatsuno K, Covington KR, Ueda H, ... Shibata T. Trans-ancestry mutational landscape of hepatocellular carcinoma genomes. **Nat Genet**, 2014, 46:1267-73.
15. Shibata T, Aburatani H. Exploration of liver cancer genomes. **Nat Rev Gastroenterol Hepatol.**, 2014, 11:340-9.