

Takayuki Yoshino, MD PhD, Curriculum Vitae

Date and Place of Birth:

January 12, 1971, Chiba, Japan

Present Position:

Professor, Global Center of Research Excellence (G-CoRE) on Advanced Medicine, Keio University School of Medicine, Keio Gijuku
35 Shinanomachi Shinjuku-ku Tokyo, 160-8582, Keio University Hospital, Japan
TEL: +81-3-5315-4375
FAX: +81-3-5315-4495
E-mail: tyoshino@keio.jp

Executive Adviser to Hospital East Director, and Director, Department of Global Oncology,
National Cancer Center Hospital East
6-5-1 Kashiwanoha, Kashiwa, Chiba, 277-8577, Japan
TEL: +81-471-33-1111
FAX: +81-471-34-6920
E-mail: tyoshino@east.ncc.go.jp

Chairman/President, Japan Society of Clinical Oncology
Chairman/President, Japanese Society of Medical Oncology

Education:

1989-1995,	National Defense Medical College
1995-1997,	Resident in National Defense Medical College Hospital
1997-1999,	Trainee in Division of Pathology, National Cancer Center Research Institute
1999-2001,	Trainee in Division of Digestive Endoscopy and Gastrointestinal Oncology, National Cancer Center Hospital East

Brief Chronology of Employment:

1995-1997,	Resident in National Defense Medical College Hospital
1997-1999,	Trainee in Division of Pathology, National Cancer Center Research Institute
1999-2001,	Trainee in Division of Digestive Endoscopy and Gastrointestinal Oncology, National Cancer Center Hospital East
2001-2002,	Staff physician in Division of Digestive Endoscopy and Gastrointestinal Oncology, National Cancer Center Hospital East
2002-2007,	Staff physician of Division of Gastrointestinal Oncology, Shizuoka Cancer Center
2007- 2010,	Staff physician in Division of Digestive Endoscopy and

2010- 2014	Gastrointestinal Oncology, National Cancer Center Hospital East Chief, Department of Gastroenterology and Gastrointestinal Oncology, National Cancer Center Hospital East,
2017-2021	Head, Clinical Research Coordinating Division, National Cancer Center Hospital East
2014- 2022	Director, Department of Gastroenterology and Gastrointestinal Oncology, National Cancer Center Hospital East
2021-2022	Head, Translational Research Division, National Cancer Center Hospital East
2021-2022	Acting Director, Department of Data Science, National Cancer Center Hospital East
2022-2023	Director, Department of Data Science, National Cancer Center Hospital East
2022-2022	Visiting Professor, Institute for Materials Chemistry and Engineering, Kyushu University
2022-2026	Deputy Director, National Cancer Center Hospital East
2022-2026	Director, Department of Drug Development and Promotion, National Cancer Center Hospital East
2023-2026	Chief, Department of Gastroenterology and Gastrointestinal Oncology, National Cancer Center Hospital East
2023-2026	Specially Appointed Professor, Department of Gastroenterological surgery/Pediatric surgery, Gifu University
2023-Present	Chairman, Japan Society of Clinical Oncology
2024-Present	Specially Invited Research Professor, Faculty of Medicine, Kindai University
2024-Present	Professor (Cooperative Graduate School Program), Institute of Medicine, University of Tsukuba
2025-2026	Professor, Center for Cancer Genomics, Keio University School of Medicine
2025-Present	Director, Department of Global Oncology, National Cancer Center Hospital East
2026-Present	President, Japanese Society of Medical Oncology
2026-Present	Executive Advisers to Hospital Director, National Cancer Center Hospital East
2026-Present	Professor, Global Center of Research Excellence (G-CoRE) on Advanced Medicine, Keio University School of Medicine

Studying abroad

2005 Medical Oncology at Mayo Clinic, college of medicine,
Vanderbilt-Ingram Cancer Center, Dana-Farber Cancer Institute

Specialty and Present Interest:

Chemotherapy for gastrointestinal tract cancer, especially for colorectal cancer
Translational research of potential predictive and prognostic biomarkers for colorectal cancer

Licenser

Japanese Medical License in April, 1995, The registration No. 370380

Professional Appointment/ Membership

America Society of Clinical Oncology, Active Member
European Society for Medical Oncology, Active Member
American Association for Cancer Research, Active Member,
Japanese Society of Medical Oncology, Member
Japanese Society of Clinical Oncology, Member
Japanese Cancer Association, Member
The Japanese Society of Internal Medicine, Member
The Japanese Society of Gastroenterology, Member
The Japanese Association for Molecular Target Therapy of Cancer, Member

Professional Affiliations and Activity

Japanese Society of Medical Oncology, President, Administrative Board Member,
Chair of Future Planning Committee, Chair of Nominating Committee, Chair of
Awards Nomination Committee, Chair of Program Subcommittee for Education,
Chair of International Affairs Committee, Councilor
Japan Society of Clinical Oncology, Chairman, Administrative Board Member,
Executive Director, Chair of Future Planning Committee, Chair of Public
Relations Committee, Chair of General Affairs Committee, Vice Chair of
International Affairs Committee, Councilor
Japanese Cancer Association, Councilor
Japanese Board of Cancer Therapy, Administrative Board Member, Vice-President
The Japanese Association of Medical Sciences, Councilor
The Japanese Association for Molecular Target Therapy of Cancer, Administrative Board
Member, Councilor
Japan Society for Cancer of the Colon and Rectum, Guidelines committee
Japan Clinical Oncology Group, Protocol Review Committee, Executive Committee,
Data and Safety Monitoring Committee

European Society for Medical Oncology,
International Guideline Committee Member of CRC
Chair of Pan-Asian adapted ESMO Guideline Committee for CRC

Educational Co-chair of ESMO Asia 2017
Scientific Co-chair of ESMO Asia 2020
Gastrointestinal tumours sub-committee member of ESMO Asia 2018, 2019
Scientific sub-committee member (CRC) of ESMO 2019
ESMO Faculty Member, Gastrointestinal tumours faculty group 2018-2025
Scientific committee member of World Congress on Gastrointestinal Cancer
Editorial Board of ESMO/ASCO Global Curriculum
ESMO Guidelines Steering Committee
ESMO Precision Medicine Working Group Member

American Society of Clinical Oncology,
Editorial Board of ESMO/ASCO Global Curriculum
ASCO Breakthrough 2023 Advisory Committee Member
ASCO Breakthrough 2024 Co-Host Committee Member
ASCO-GI 2022 Faculty
ASCO Annual Meeting Scientific Program Committee on the Gastrointestinal Cancer-
Colorectal and Anal Track (June 5, 2024 to June 4, 2027)

American Association for Cancer Research,
Scientific Program Committee Member 2022

Asian Oncology Society
Secretary General 2023 -

SCRUM-Japan GI-SCREEN-Japan: Nationwide Cancer Genome Screening Project: Co-Principal Investigator

CIRCULATE-Japan Project Program Director

22nd Century Cutting-Edge Medical Information Technology Organization: President
Foundation ARCAD Advanced Colorectal Cancer Database: Co-Principal Investigator

ACCENT (Adjuvant Colon Cancer Endpoints Group) Steering Committee

DIA Japan Advisory Council of Japan

ICGC-ARGO (International Cancer Genome Consortium - Accelerating Research in Genomic Oncology), Director, Executive Board Member, a chair of the Clinical and Metadata WG (formerly Tissue and Clinical Annotation WG)

Contribution to the Scholar Journals

Editorial Board member of Annals of Oncology
Associate Editor of Therapeutic Advances in Medical Oncology
Associate Editor of Clinical Colorectal Cancer
Editorial Board member of International Journal of Clinical Oncology

Reviewer of the Lancet Oncology
Reviewer of Nature Medicine
The Lancet Oncology international advisory board

Award, etc

Jpn J Clin Oncol Paper of the Year 2013

Bando H, Yoshino T, Yuki S, Shinozaki E, Nishina T, Kadowaki S, Yamazaki K, Kajiura S, Tsuchihara K, Fujii S, Yamanaka T, Ohtsu A. Clinical Outcome of Japanese Metastatic Colorectal Cancer Patients Harboring the KRAS p.G13D Mutation Treated with Cetuximab + Irinotecan. *Jpn J Clin Oncol*. 2012;42(12):1146-51. (Corresponding author)

BEST DOCTORS IN JAPAN 2020

ASCO2022 Annual Meeting Plenary Session Speaker (5th /JUN/ 2022)
SGH Special Award 2022

The 18th Kobayashi Foundation Award 2024

The 14th JCA-Nagayama (JCA-CHAAO9) Award 2024

Highly Cited Researcher Awards 2024 by Clarivate (19th/NOV/2024)

The 54th Princess Takamatsu Cancer Research Fund Prizes (21st/FEB/2025)

Bibliography

1. Sato S, Masuda K, Oda K, Kuwata T, Nakajima T, Yamada M, Yamaguchi T, Hirasawa A, Mandai M, Tanakaya K, Ishida H, Yoshino T, Okamoto A. Clinical utility of diagnosing lynch syndrome in gynecologic oncology: a joint statement from four japanese academic societies. *Int J Clin Oncol*. 2026 Jul 11. doi: 10.1007/s10147-026-03126-8. Epub ahead of print. PMID: 42435282.
2. Kataoka K, Ito K, Nakamura Y, Watanabe J, Akazawa N, Nagata J, Yokota M, Kato K, Kotaka M, Hashimoto T, Yamazaki K, Kagawa Y, Mishima S, Ando K, Miyo M, Yukami H, Fungtammasan A, Sharma S, Ortiz JB, Rabinowitz M, Lentz RW, Jurdi A, Liu MC, Aleshin A, Kotani D, Bando H, Taniguchi H, Takemasa I, Kato T, Yoshino T, Oki E; CIRCULATE-Japan Group. Circulating Tumor DNA Status and Adjuvant Chemotherapy in Resected Colorectal Liver Metastases. *JAMA Oncol*. 2026 Jul 3:1-10. doi: 10.1001/jamaoncol.2026.2191. Epub ahead of print. PMID: 42397676.(Corresponding author)
3. Boku S, Fujisawa T, Kadowaki S, Satake H, Yasui H, Ohtsubo K, Shimizu Y, Otsuka T, Kuze B, Yamashita R, Shibuki T, Nakamura Y, Bando H, Yoshino T, Radovich M, Okano S. Identification of a Novel GOLGB1-RET Fusion in Papillary Thyroid Cancer With a Durable Response to Selpercatinib. *JCO Precis Oncol*. 2026 Jul;10(7):e2600237. doi: 10.1200/PO-26-00237. Epub 2026 Jul 1. PMID: 42385108.
4. Murano T, Ikematsu H, Matsuhashi N, Tsukada Y, Shiozawa M, Kato T, Oki E, Yamaguchi T, Kagawa Y, Kanazawa A, Ohta T, Ouchi A, Uchigata H, Notake C, Forouzmand E, He Y, Raymond VM, Duenwald S, Bando H, Yoshino T, Nakamura Y. Cell-Free DNA Analysis With Clinicopathologic Factors for Early Detection and Refining Lymph Node Metastasis Risk in T1 Colorectal Cancer: Results From the COSMOS-CRC Study. *JCO Precis Oncol*. 2026 Jul;10(7):e2500941. doi: 10.1200/PO-25-00941. Epub 2026 Jul 1. PMID: 42385102.
5. Iguchi K, Yamazaki K, Misumi T, Bando H, Nishimura Y, Nishikawa T, Oki E, Douillard JY, Koopman M, Van Cutsem E, Bokemeyer C, Venook AP, Maehara Y, Heinemann V, Cremolini C, Nakayama G, André T, Shi Q, de Gramont A, Yoshino T. Mapping the anatomical landscape of colorectal tumours: Location-specific efficacy of anti-epidermal growth factor receptor antibodies: Pooled analysis of randomised trials. *Eur J Cancer*. 2026 Jun 12;244:116886. doi: 10.1016/j.ejca.2026.116886. Epub ahead of print. PMID: 42372637. (Senior author)
6. Samaille T, Raeisi M, Cohen R, Shi Q, Yoshino T, Zalcborg JR, Adams R, Cremolini C, Grothey A, Mayer RJ, Chibaudel B, de Gramont A, André T. Prognostic Value of Liver Metastases and KRAS Mutations in Patients With Metastatic Colorectal Cancer: A Pooled Analysis of Third-Line Placebo-Controlled Trials From the ARCAD CRC Database. *Clin Colorectal Cancer*. 2026 May 25:S1533-0028(26)00044-7. doi: 10.1016/j.clcc.2026.05.007. Epub ahead of print. PMID: 42288407.
7. Kobayashi S, Matsuhashi N, Suwa Y, Kawazoe T, Ouchi A, Shiozawa M,

- Shiomi A, Yokota M, Shinozaki E, Takamizawa Y, Nishizawa Y, Hiyoshi Y, Kakisaka T, Ohnuma S, Ogura T, Hasegawa H, Kotaka M, Hirata K, Bando H, Yoshino T. A multicenter survey on BRAF screening for the implementation of perioperative cancer genomic medicine for resectable colorectal oligometastases. *Int J Clin Oncol*. 2026 Jun 9. doi: 10.1007/s10147-026-03087-y. Epub ahead of print. PMID: 42262686. (Senior author)
8. Bando H, Watanabe J, Takahashi Y, Kotaka M, Matsushashi N, Oki E, Komatsu Y, Shiozawa M, Hirata K, Miyamoto Y, Takahashi M, Yamazaki K, Manaka D, Kanazawa A, Liang YH, Yeh KH, Watsuji Y, Yamamoto Y, Fukui M, Sharma S, Aushev VN, Jurdi A, Rabinowitz M, Liu MC, Aleshin A, Takemasa I, Kotani D, Sato A, Misumi T, Nakamura Y, Shi Q, Taniguchi H, Yoshino T, Kato T. Post-adjuvant chemotherapy in ctDNA-positive patients with resected colorectal cancer: a randomized phase 3 trial. *Nat Med*. 2026 Jun 8. doi: 10.1038/s41591-026-04428-0. Epub ahead of print. PMID: 42260101.(Corresponding Author)
 9. Seguchi K, Hashimoto T, Fujisawa T, Shibuki T, Morizane C, Nonomura N, Iwata H, Watari H, Okano S, Namikawa K, Naito Y, Bando H, Yoshino T. Impact of medical oncologist certification on survival outcomes in metastatic colorectal cancer: evidence from the SCRUM-Japan MONSTAR-SCREEN Observational Study. *Int J Clin Oncol*. 2026 Jun 6. doi: 10.1007/s10147-026-03069-0. Epub ahead of print. PMID: 42250141. (Senior & Corresponding author)
 10. Takahashi N, Harano K, Funasaka C, Nakajima H, Kondoh C, Matsubara N, Hosono A, Naito Y, Nagamine M, Tanabe H, Fujisawa T, Nakamura Y, Bando H, Yoshino T, Yuda J, Mukohara T. Genomic landscape of immune checkpoint inhibitor-induced aplastic anemia: a case report. *Front Oncol*. 2026 May 20;16:1801452. doi: 10.3389/fonc.2026.1801452. PMID: 42245701; PMCID: PMC13229815.
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- Morizane C, Strickler JH, Yoshino T, Bekaii-Saab T, Ikeda M. Clinico-molecular characteristics and enhanced efficacy of immune checkpoint inhibitors in TP53-mutated advanced biliary tract cancer. *J Gastroenterol*. 2026 May 25. doi: 10.1007/s00535-026-02439-9. Epub ahead of print. PMID: 42185502.
14. Matsuda K, Yuda J, Yoshimaru R, Harima I, Sakuma H, Uehara A, Oto M, Fukatsu M, Ikezoe T, Araie H, Hosono N, Ohwada C, Nakaseko C, Kakiuchi S, Fujisawa T, Hashimoto T, Shibuki T, Imai M, Nagamine M, Sakashita S, Yamashita R, Dodo A, Horasawa S, Nakamura Y, Bando H, Yoshino T. SCRUM-Japan MONSTAR3 hematology cohort: a nationwide multi-omics integrated platform for next-generation precision medicine in hematologic malignancies. *Int J Clin Oncol*. 2026 May 23. doi: 10.1007/s10147-026-03049-4. Epub ahead of print. PMID: 42177352. (Senior author)
 15. Seguchi K, Fujisawa T, Ikeda S, Oyama Y, Nonomura N, Morizane C, Iwata H, Okano S, Watari H, Namikawa K, Kadowaki S, Ueno M, Oki E, Boku S, Yuki S, Yamagami W, Nishina T, Kudo T, Takahashi N, Bando H, Yoshino T, Nakamura Y. Comprehensive Genomic and Transcriptomic Characterization of MTAP Loss Across Advanced Solid Tumors. *Clin Cancer Res*. 2026 May 18. doi: 10.1158/1078-0432.CCR-25-4936. Epub ahead of print. PMID: 42148883.
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 19. Chi S, Motoike IN, Fujisawa T, Yamaguchi-Kabata Y, Nobukuni T, Kinoshita K, Nakamura Y, Bando H, Yoshino T, Ohneda K, Tsuchihara K, Minami Y, Yamashita R. Population-Based Identification of Clonal Hematopoiesis Using Peripheral Blood Whole-Genome Sequencing in Japan. *Cancer Sci*. 2026 Apr

29. doi: 10.1111/cas.70406. Epub ahead of print. PMID: 42053152.
20. Imai M, Yamashita R, Fujisawa T, Sokuoka H, Miki I, Sakamoto Y, Misumi T, Zandkarimi B, Ernst PT, Bando H, Yoshino T. The Q-MONSTAR consortium: advancing fault-tolerant quantum computing for precision oncology. *Nat Med*. 2026 Apr 21. doi: 10.1038/s41591-026-04346-1. Epub ahead of print. PMID: 42014508. (Senior & Corresponding author)
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- of Wild-Type Homologous Recombination Genes: Refining the Homologous Recombination Paradigm in Colorectal Cancer. *JCO Precis Oncol.* 2026 Apr;10(4):e2500452. doi: 10.1200/PO-25-00452. Epub 2026 Apr 3. PMID: 41931743.
27. Duan Y, Hashimoto T, Shibuki T, Taniguchi H, Sunakawa Y, Komatsu Y, Takahashi N, Sato Y, Yamaguchi K, Nishina T, Nakanoko T, Boku S, Satoh T, Yasui H, Esaki T, Imai M, Fujisawa T, Nakamura Y, Bando H, Yoshino T. Prognostic Biomarkers and Immunotherapeutic Insights of Circulating Tumor DNA Analysis in Advanced Esophageal Squamous Cell Carcinoma From SCRUM-MONSTAR GOZILA Substudy. *JCO Precis Oncol.* 2026 Mar;10(3):e2500971. doi: 10.1200/PO-25-00971. Epub 2026 Mar 30. PMID: 41911515. (Senior author)
 28. Shibuki T, Yamashita R, Hashimoto T, Fujisawa T, Imai M, Yuda J, Kuwata T, Misumi T, Nakamura Y, Bando H, Kojima K, Tokioka S, Chiba I, Nakaya N, Hozawa A, Koshiba S, Fuse N, Saito S, Shimizu R, Park WY, Kinoshita K, Yoshino T. Clinical development of molecular residual disease (MRD) and multi-cancer early detection (MCED) using liquid biopsy multiomics with artificial intelligence (AI). *Int J Clin Oncol.* 2026 Mar 6. doi: 10.1007/s10147-026-03001-6. Epub ahead of print. PMID: 41790338. (Senior author)
 29. Iwabuchi S, Sawada K, Kojima M, Ozawa M, Taniguchi H, Bando H, Abe K, Kuze Y, Imamura K, Kashima Y, Hirohashi Y, Tajima A, Torigoe T, Suzuki Y, Yoshino T, Hashimoto S. Single-Cell Analysis Identified a Recurrent Malignant-Associated Transcriptional State in Colorectal Cancer. *Cancer Sci.* 2026 Mar 2. doi: 10.1111/cas.70335. Epub ahead of print. PMID: 41770629.
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 32. Nagamine M, Fujisawa T, Sakamoto N, Nakamura Y, Kadowaki S, Ueno M, Boku S, Komatsu Y, Oki E, Makiyama A, Nonomura N, Morizane C, Watari H, Okano S, Iwata H, Namikawa K, Hatanaka Y, Hatanaka KC, Taguchi K, Spetzler D, Radovich M, Magee D, Yoshino T, Oberley M, Kuwata T. HER2 Protein Overexpression, mRNA Expression, and DNA Amplification Across Solid Tumors: Comparison of Next-Generation Sequencing-Based Assays With

- Immunohistochemistry. JCO Precis Oncol. 2026 Jan;10:e2500413. doi: 10.1200/PO-25-00413. Epub 2026 Jan 21. PMID: 41564373.
33. Nakamura Y, Reiter JG, Natarajan P, Babiarz J, Srinivasan P, Joshi J, Lin Y, Chen TC, Liang N, Maw S, Haghshenas E, Kushwaha G, Gutman B, Tunc I, Chan WC, Tin A, Huang Y, Bristow SL, Malhotra M, Sharma S, Sanchez SA, Jurdi A, Liu MC, Kawli T, Rabinowitz M, Aleshin A, Kotani D, Eiji O, Yoshino T. Validation of a methylation-based, tissue-free MRD assay in colorectal cancer patients from the GALAXY study. NPJ Precis Oncol. 2026 Jan 19. doi: 10.1038/s41698-026-01277-5. Epub ahead of print. PMID: 41555007. (Senior & Corresponding author)
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