

Association for Molecular Pathology Develops Standardized Biomarker Report Template for Providers

Joint consensus recommendation includes organizational representation from AMP, ASCO and CAP

ROCKVILLE, Md. – Oct. 8, 2025 – The Association for Molecular Pathology, the premier global molecular diagnostic professional society, today announced the publication of new best practice recommendations for improving how complex molecular profiling information is presented to oncologists and other healthcare providers. The manuscript, titled “[Developing Consensus for a More Provider-Friendly Next-Generation Sequencing Molecular Biomarker Report](#): A Joint Consensus Recommendation of the Association for Molecular Pathology and College of American Pathologists,” was published online ahead of print, and the full text is freely available in *The Journal of Molecular Diagnostics*. The biomarker report template is available on AMP’s [website](#).

While next-generation sequencing testing for solid tumors is increasingly available, its use has been limited due to widespread shortages of qualified clinical laboratory professionals and the complexities involved in data interpretation. Most clinical laboratories produce their own report formats, which can vary significantly in terms of length and organization of results and other content. To address these issues, AMP’s Clinical Practice Committee convened a multidisciplinary panel of experts to create a simplified and consensus-driven biomarker report template that providers could review and utilize more effectively for patient care. The AMP Provider-Friendly Biomarker Report Working Group included representatives from AMP, the American Society of Clinical Oncology and the College of American Pathologists.

Alanna J. Church, M.D., is the chair of AMP’s 2025 Clinical Practice Committee and director of innovation in pediatric cancer genomics at Boston Children’s Hospital. “Oncologists who receive our molecular biomarker reports typically need to assess the clinical impact of specific somatic mutations, determine whether any available therapies target those mutations and evaluate the strength of supporting evidence in order to provide the best care for their patient,” said Church. “This new [highly anticipated](#) biomarker report template offers recommendations to help laboratories implement the presentation of complex molecular profiling data in a clear, yet guideline-concordant format specifically designed for oncologists and other healthcare providers.”

The working group’s proposed report template was informed by the team’s clinical expertise and a review of 17 NGS biomarker reports for solid tumors from public, private and academic laboratories. The template also incorporates extensive community feedback from a public comment period. The panel of experts assessed specific components, including overall report length, presence of a summary section and biomarker results table, use of color and formatting, therapeutic guidance, references to clinical practice guidelines, inclusion of clinical trial options, background information on biomarkers, assay and coverage details and clear explanations of variants of uncertain significance.

AMP President Jane S. Gibson, Ph.D., is the lead author of the paper. She is also a Pegasus-awarded professor of pathology, chair of the Department of Clinical Sciences and director of molecular diagnostics at the University of Central Florida College of Medicine. “This joint consensus recommendation is intended to support broader use of NGS testing and to help optimize patient care,” said Gibson. “AMP is committed to revisiting and refining the report template as advances in science, technology and clinical practice continue to evolve.”

The biomarker report project was supported by an unrestricted continuing medical education grant from AstraZeneca and Daiichi Sankyo.

To read the full manuscript, please visit <https://doi.org/10.1016/j.jmoldx.2025.08.011>.

Live Webinar

AMP is hosting a webinar to provide additional details on the key aspects of the proposed provider-friendly report template.

Developing Consensus for a More Provider-Friendly NGS Molecular Biomarker Report

Presenter: Jane S. Gibson, Ph.D., University of Central Florida College of Medicine

Moderator: Anthony N. Snow, M.D., University of Iowa Hospitals and Clinics

Date / Time: Thursday, December 18, at 2:30 pm ET

To register in advance: Click [here](#).

About AMP

Association for Molecular Pathology was founded in 1995 to provide structure and leadership to the emerging field of molecular diagnostics. AMP’s more than 3,100 members practice various disciplines of molecular diagnostics, including bioinformatics, infectious diseases, inherited conditions and oncology. Our members are pathologists, clinical laboratory directors, basic and translational scientists, technologists and trainees who practice in a variety of settings, including academic and community medical centers, government and industry. Through the efforts of its Board of Directors, Committees, Working Groups and Members, AMP is the primary resource for expertise, education and collaboration in one of the fastest-growing fields in healthcare. AMP members influence policy and regulation on the national and international levels, ultimately serving to advance innovation in the field and protect patient access to high-quality, appropriate testing. For more information, visit www.amp.org and follow AMP on X: [@AMPPath](#).

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