NCCN is an alliance of leading cancer centers devoted to patient care, research, and education.

Our mission is to improve and facilitate quality, effective, equitable, and accessible cancer care so all patients can live better lives.

Our vision is to define and advance high-quality, high-value, patient-centered cancer care globally.
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The National Comprehensive Cancer Network® (NCCN®) is a not-for-profit alliance of 32 leading cancer centers devoted to patient care, research, and education. To learn more, visit NCCN.org/cancercenters.
NCCN Member Institutions

Abramson Cancer Center at the University of Pennsylvania
Philadelphia, PA

Case Comprehensive Cancer Center/
University Hospitals Seidman Cancer Center and
Cleveland Clinic Taussig Cancer Institute
Cleveland, OH

City of Hope National Medical Center
Duarte, CA

Dana-Farber/Bromham and Women’s
Cancer Center | Massachusetts General
Hospital Cancer Center
Boston, MA

Duke Cancer Institute
Durham, NC

Fox Chase Cancer Center
Philadelphia, PA

Fred & Pamela Buffett Cancer Center
Omaha, NE

Fred Hutchinson Cancer Center
Seattle, WA

Huntsman Cancer Institute at the University of Utah
Salt Lake City, UT

Indiana University Melvin and Bren Simon
Comprehensive Cancer Center
Indianapolis, IN

Mayo Clinic Comprehensive Cancer Center
Phoenix/Scottsdale, AZ
Jacksonville, FL
Rochester, MN

Memorial Sloan Kettering Cancer Center
New York, NY

Moffitt Cancer Center
Tampa, FL

O’Neal Comprehensive Cancer Center at UAB
Birmingham, AL

Robert H. Lurie Comprehensive Cancer
Center of Northwestern University
Chicago, IL

Roswell Park Comprehensive Cancer Center
Buffalo, NY

Siteman Cancer Center at Barnes-
Jewish Hospital and Washington
University School of Medicine
St. Louis, MO

St. Jude Children’s Research Hospital/
The University of Tennessee Health Science Center
Memphis, TN

Stanford Cancer Institute
Stanford, CA

The Ohio State University Comprehensive
Cancer Center - James Cancer Hospital
and Solove Research Institute
Columbus, OH

The Sidney Kimmel Comprehensive
Cancer Center at Johns Hopkins
Baltimore, MD

The University of Texas
MD Anderson Cancer Center
Houston, TX

UC Davis Comprehensive Cancer Center
Sacramento, CA

UC San Diego Moores Cancer Center
La Jolla, CA

UCLA Jonsson Comprehensive Cancer Center
Los Angeles, CA

UCSF Helen Diller Family
Comprehensive Cancer Center
San Francisco, CA

University of Colorado Cancer Center
Aurora, CO

University of Michigan Rogel Cancer Center
Ann Arbor, MI

University of Wisconsin Carbone Cancer Center
Madison, WI

UT Southwestern Simmons
Comprehensive Cancer Center
Dallas, TX

Vanderbilt-Ingram Cancer Center
Nashville, TN

Yale Cancer Center/Smilow Cancer Hospital
New Haven, CT
The National Comprehensive Cancer Network® (NCCN®) continues to grow and adapt to ensure all patients can live better lives. Guided by a new chair and vice-chair of the Board of Directors, NCCN continues to serve the oncology community and to explore exciting new opportunities to advance our mission to improve and facilitate quality, effective, equitable, and accessible cancer care globally.

This report provides an opportunity to review efforts across NCCN that support people with cancer and those who care for them around the world.

In 2022, the NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines®) were downloaded more than 13.3 million times — over 1 million downloads each month. This milestone achievement was possible due to more than 1,800 volunteer experts who served on NCCN Guidelines® Panels across our NCCN Member Institutions. We were excited to welcome Indiana University Melvin and Bren Simon Comprehensive Cancer Center as our 32nd Member Institution. Our work together will continue to provide the most thorough and frequently-updated clinical practice guidelines available in any area of medicine and expand the reach of this vital information.

Last year, we added two new NCCN Guidelines, including one pediatric guideline, to our library, bringing the total number of NCCN Guidelines to 84. In 2022, NCCN Guidelines were updated 184 times to reflect new scientific evidence and clinical information that may add to or alter current clinical practice standards to achieve optimal patient outcomes.

NCCN continued to lead the way with efforts and tools to advance equity and inclusion in cancer care and facilitated tough conversations on how to address and eliminate disparities. Member Institutions continued to provide expert guidance on COVID-19 vaccination. NCCN continued to innovate by offering in-person and virtual attendance options for many learning opportunities, events, policy summits, advocacy efforts, research programs, committees and advisory groups, and business programs. More people than ever are able to participate in educational activities and apply new knowledge to advance high-quality, high-value, patient-centered cancer care, globally.
Message from the Chairman of the Board and the CEO

We grew global collaborations to continue to adapt and disseminate the critical knowledge contained in the NCCN Guidelines. New NCCN Harmonized Guidelines™ for Sub-Saharan Africa on pediatric cancers are already underway. With support from the NCCN Foundation®, NCCN’s library of patient resources now includes 65 NCCN Guidelines for Patients®, and several updated global resources to address the ever-growing need for accessible cancer care information worldwide. In 2022, 5 new NCCN Guidelines for Patients were created, and our breast cancer patient resources were recognized for their unique support of diversity, equity, and inclusion.

NCCN experienced many successes in 2022 that were made possible because of our dedicated NCCN staff. The team’s dedication to embrace new advances and discoveries helped people with cancer live better lives. We are sincerely grateful for our NCCN Member Institutions; members of boards, committees, and panels; supporters; staff; and all those who access and incorporate our resources into their practice to help lead the way to better care and outcomes for all people facing cancer.

Sincerely,

John W. Sweetenham, MD, FRCP, FACP, FASCO
Chair, NCCN Board of Directors
Associate Director for Clinical Affairs
UT Southwestern Simmons Comprehensive Cancer Center

Robert W. Carlson, MD
Chief Executive Officer
National Comprehensive Cancer Network
Quality Care through NCCN Guidelines

84
Total NCCN Guidelines

>44,000
Volunteer hours
NCCN Guidelines
Panelists contributed

61
NCCN Guidelines Panels

>1.7 million
Registered users of
NCCN Guidelines

2
New NCCN Guidelines published in 2022:
• Ampullary Adenocarcinoma
• Pediatric Central Nervous System Cancers

>1,800
NCCN Guidelines Panel Members

>4.1 million
Unique visitors to NCCN.org
In 2022, NCCN stayed devoted to providing all oncology stakeholders with reliable and up-to-date information through publication of and continuous updates to the library of NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines®) and associated clinical content.

The NCCN Guidelines® are a comprehensive set of guidelines detailing the sequential management decisions and interventions that currently apply to more than 97 percent of cancers affecting patients in the United States.

NCCN Member Institution volunteers seated on NCCN Guidelines Panels develop the NCCN Guidelines and continuously update and revise them to reflect the latest advances in preventive, diagnostic, treatment, and supportive services. NCCN Guidelines Panel Members include multidisciplinary, disease-specific sub-specialists who are both clinicians and researchers, as well as patient advocates. Each guideline undergoes annual institutional review where it is circulated for comment among the faculty at each NCCN Member Institution.

External parties, including patients, patient advocates, clinicians outside the Member Institutions, industry, and/or payers, are invited to submit requests for specific issues or topics to be discussed by the NCCN Guidelines Panels.
About the Guidelines

NCCN Guidelines contain cancer care recommendations that are continuously updated and revised to reflect new data and clinical information.

- NCCN Categories of Evidence and Consensus are based on the level of clinical evidence available and the degree of consensus within NCCN Guidelines Panels.

- NCCN Categories of Preference clarify panel and institutional preferences for interventions, provide guidance to users of the NCCN Guidelines on which recommendation(s) is considered optimal, and continue to provide a wide range of recommendations to meet varying clinical circumstances and patient preferences.

- NCCN Guidelines with NCCN Evidence Blocks™ are a visual representation of five key measures that provide important transparent information about specific NCCN Guidelines recommendations to inform decisions about systemic therapies based upon treatment, supporting data, and cost. It is a starting point for shared decision-making considering the patient’s own value system.

Types of Guidelines

- NCCN Guidelines for Treatment by Cancer Type
- NCCN Guidelines for Detection, Prevention, & Risk Reduction
- NCCN Guidelines for Supportive Care
- NCCN Guidelines for Specific Populations
- NCCN Guidelines with NCCN Evidence Blocks™

Access to the Guidelines

- Free download online for non-commercial use from NCCN.org
- NCCN app
- Print copies
- Pocket Guidelines
- E-mail alerts (with subscription to NCCN Flash Updates™)
- Health Information Technology (HIT) companies
NCCN Guidelines® are the most thorough and frequently updated clinical practice guidelines available in any area of medicine.

There were more than 13.3 million downloads of NCCN Guidelines in 2022.

NCCN Guidelines Downloads By Year (millions)

Numbers rounded to the nearest decimal. Totals include downloads from international sites and apps.
## Resources Based on NCCN Guidelines

### NCCN Drugs & Biologics Compendium (NCCN Compendium®)

Authoritative, scientifically derived information designed to support decision-making about the appropriate use of drugs and biologics in patients with cancer

- Contains more than 6,857 active records
- Updated in conjunction with the NCCN Guidelines on a continual basis
- Recognized by public and private insurers as an authoritative reference for oncology coverage policy

*Subscription-based searchable database*

### NCCN Biomarkers Compendium®

Information to support decision-making around the use of biomarkers in cancer care

- Provides essential details for tests recommended by the NCCN Guidelines, such as tests that measure changes in genes or gene products for predictive, diagnosis, monitoring, surveillance, or prognostic information
- Contains over 1,350 records

*Subscription-based searchable database*

### NCCN Imaging Appropriate Use Criteria (NCCN Imaging AUC™)

Details of imaging recommendations included in the NCCN Guidelines

- Available for more than 70 cancer types in addition to screening and supportive care covering approximately 1,225 recommendations
- NCCN is recognized by Centers for Medicare & Medicaid Services (CMS) as a qualified provider-led entity for creation of the NCCN Imaging AUC™

*Free searchable database*

### NCCN Radiation Therapy Compendium™

Information to support clinical decision-making around the use of radiation therapy in patients with cancer

- Includes a full complement of over 1,007 radiation therapy recommendations found in the NCCN Guidelines
- Contains 54 disease sites covering radiation therapy recommendations
- Recognized by public and private insurers as an authoritative reference for oncology coverage policy

*Subscription-based searchable database*

### NCCN Chemotherapy Order Templates (NCCN Templates®)

Intended to improve the safe use of drugs and biologics in cancer care

- Includes chemotherapy, immunotherapy, supportive care agents, monitoring parameters, and safety instructions
- Special instructions for self-administered chemotherapeutic agents also provided
- Contains more than 2,341 active templates
- Accessed more than 1.7 million times in 2022

*Subscription-based searchable database*

Available online at [NCCN.org](https://nccn.org).
The first Neuroblastoma Panel meeting took place in November 2022 at NCCN headquarters.
Updating COVID-19 Vaccination Recommendations for People with Cancer, Including Children

Learn more and view resources at NCCN.org/Covid-19.

NCCN’s Advisory Committee on COVID-19 Vaccination and Pre-exposure Prophylaxis continually updated recommendations in 2022 to help cancer care providers make informed decisions on how to protect their patients from the ongoing COVID-19 pandemic based on the latest evidence plus expert consensus.

Expanding Resources for Children with Brain Cancer

Learn more and view resources at NCCN.org/guidelines.

In 2022, NCCN published guidelines for pediatric central nervous system cancers to synthesize the latest evidence to help care teams ensure children with high-grade gliomas have the best possible outcome.

Although rare, pediatric brain tumors are the second-most-common type of pediatric malignancy after leukemia and are the leading cause of cancer-related death in children.
NCCN Global Impact

48%
Registered users of NCCN Guidelines outside of the United States

258
Total translations of the NCCN Guidelines and associated clinical resource
In 2022, NCCN published more than 161 new and updated translations of NCCN Guidelines and associated clinical resources. These resources are translated into 69 languages. There are now 258 total translations available.

Ukraine and the Surrounding Region
NCCN joined the global plea for peace in Ukraine by providing free patient-tailored cancer treatment guides to help Ukrainians with cancer get the best possible care, available online at NCCN.org/Ukraine.

View all NCCN patient resources at NCCN.org/patients.
Poland

NCCN CEO Robert W. Carlson, MD, is pictured below signing a Memorandum of Understanding (MoU) with the Ministry of Health of the Republic of Poland (Ministerstwo Zdrowia Rzeczypospolitej Polskiej) to solidify activities between NCCN and the Ministry of Health to improve and share best practices in cancer care between the United States and the Republic of Poland. Initial efforts are directed at developing collaborative research, training, and addressing shared priorities, including cancer prevention and early diagnosis; cancer treatment; cancer-focused awareness, education, and training; and multidisciplinary cancer care. The MoU builds on an established collaboration with two leading oncology organizations in Poland, the Maria Sklodowska-Curie National Research Institute of Oncology (MSCNRIO) and the Polish Alliance for Innovation (AFI), to advance evidence-based cancer care in Poland.
Sub-Saharan Africa

NCCN co-developed new NCCN Harmonized Guidelines™ for Sub-Saharan Africa, in collaboration with the African Cancer Coalition (ACC), the American Cancer Society (ACS), and the Clinton Health Access Initiative (CHAI). The organizations are part of Allied Against Cancer, a global multi-sector effort to improve resource-stratified access to life-saving cancer care in Sub-Saharan Africa. These harmonized guidelines build on the successful implementation of evidence-based, expert consensus, context-appropriate recommendations for managing nearly all adult cancers across more than a dozen countries throughout the region. In October, the organizations hosted a meeting in Dar es Salaam, Tanzania to launch four additional NCCN Harmonized Guidelines™ specifically focused on best practices for treating children with cancer. The group who came together for this meeting is pictured below.
China

NCCN continued working to advance high-quality cancer care in China. A new strategic cooperation agreement with Medlive, a Chinese medical information website, will help oncologists in China to reference the NCCN Guidelines to improve patient care.

Latin America

NCCN launched a collaborative project with the Latin American and Caribbean Society of Medical Oncology (SLACOM) in Buenos Aires, Argentina to address policy and practice solutions to increase equitable access for breast cancer care.

Worldwide

NCCN joined the International Access to Oncology Medicines (ATOM) Coalition in 2022. The Union for International Cancer Control (UICC) and multiple partners established ATOM, a new global partnership to increase access to quality-assured essential cancer medicines in low- and lower middle-income countries (LLMICs) and to help countries develop the capacity for their proper use.

NCCN updated and added new translations of the NCCN Distress Thermometer. This tool, now available in more than 70 languages, is designed to help people around the world identify and address psychosocial stressors that may raise challenges when coping with having cancer, its symptoms, or treatment.
### Global NCCN Guidelines Resources

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>The goal of the NCCN Framework™ is to define appropriate treatment pathways based on available resources and deliver a tool for health care providers to identify treatment options that will provide the best possible outcomes in resource-constrained settings</td>
</tr>
<tr>
<td>• 19 NCCN Framework™ are available</td>
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<tr>
<td>• Covers ~80% of global incidence of cancers</td>
</tr>
<tr>
<td>• Outlines a rational approach for building cancer management systems based on the availability of resources in low-and middle-income countries where certain diagnostic tests and/or treatment approaches may be unavailable</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>NCCN Harmonized Guidelines™</th>
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<tbody>
<tr>
<td>Modified NCCN Guidelines targeted to regional resources in Sub-Saharan Africa and the Caribbean</td>
</tr>
<tr>
<td>• Created as part of a collaborative global effort to combat skyrocketing cancer rates and unique circumstances of cancer care</td>
</tr>
<tr>
<td>• Includes pragmatic approaches that provide effective treatment options for resource-constrained settings</td>
</tr>
<tr>
<td>• 53 NCCN Harmonized Guidelines™ for Sub-Saharan Africa are available (including 2 new guidelines published in 2022); More updates are in progress</td>
</tr>
<tr>
<td>• 7 NCCN Harmonized Guidelines™ for the Caribbean are available</td>
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<table>
<thead>
<tr>
<th>International Adaptations</th>
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<tbody>
<tr>
<td>Modified NCCN Guidelines to aid clinicians in determining appropriate and effective avenues of care in a specified country or region of the world</td>
</tr>
<tr>
<td>• Developed by the host country or region’s oncology thought leaders in conjunction with NCCN Guidelines Panel Members</td>
</tr>
<tr>
<td>• Account for metabolic differences in populations, accessibility of technology, and regulatory status of health care</td>
</tr>
<tr>
<td>• 27 International Adaptations of the NCCN Guidelines are available (including 2 new Poland adaptations published in 2022)</td>
</tr>
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<table>
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<tr>
<th>International Translations</th>
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<tbody>
<tr>
<td>NCCN Guidelines translated from English</td>
</tr>
<tr>
<td>• 54 NCCN Guidelines have been translated into one or more languages</td>
</tr>
<tr>
<td>• NCCN content has been translated into 69 different languages</td>
</tr>
</tbody>
</table>

Available free online for non-commercial use at NCCN.org and via the NCCN Mobile App.

“We are committed to making sure providers and patients have access to the most up-to-date standards in cancer care around the world.”

- Robert W. Carlson, MD
CEO, NCCN
Downloads of NCCN Guidelines by Country in 2022
Research to Foster Innovative, Effective, and Equitable Cancer Care

152
Member Institution faculty and staff participated in ORP standing committees and ad hoc RFP development teams (RFPDT)

178
Posters presented virtually and published in JNCCN as part of the NCCN 2022 Virtual Annual Conference, including oral poster presentations featuring the top 7 abstracts and 5 Young Investigator Awardees

15
Active Young Investigator Awardees, including 7 newly funded investigators in 2022

$3.1 million
Approximate amount awarded to NCCN Member Institutions through NCCN Oncology Research Program research initiatives:
• >$2 million awarded and managed by ORP
• >$1.1 million awarded by ORP and managed by the grantor
The NCCN Oncology Research Program (ORP) fosters innovation and knowledge discovery to improve the lives of patients with cancer.

To improve the lives of patients with cancer, the ORP studies both FDA-approved and investigational agents/devices, pursuing innovative, effective, and equitable cancer therapy. In addition, ORP funded investigators work to develop new insights into cancer care delivery outcomes and quality, as well as seek solutions to barriers affecting optimal cancer management. The ORP aims to increase opportunities for NCCN Member Institution faculty to participate in oncologic investigation and supports those who are, or will become, leaders in cancer research. Through presentations and/or publication in peer-reviewed journals, the ORP ensures the knowledge gained through the program is disseminated to the medical community at large. ORP collaborations between academia and industry are constructive, appropriate, and transparent, resulting in valuable knowledge that improves cancer management.

In addition to investigator-initiated research and quality improvement grants, the ORP facilitates the NCCN General Poster Session presented in conjunction with NCCN’s Annual Conference and oversees the NCCN Foundation Young Investigator Awards (YIA) program. The General Poster Session provides a venue for dissemination of evidence to improve cancer care, while Young Investigator Award funding supports the research of promising young investigators in their first full-time faculty appointments.

As part of NCCN’s commitment to elevating cancer equity, the YIA program now includes a designated category for disparities research. In 2022, an award was provided for research focusing on genetic ancestry, cervical cancer outcomes, and prevalence of homologous DNA repair deficiency in a diverse multi-ethnic population.

Read more about 2022 YIA recipients in the NCCN Foundation section of this report.
NCCN ORP initiated the following new collaborations in 2022:

- A $1 million collaborative quality initiative with Pfizer, Inc. and Fight CRC to optimize biomarker-directed therapy in metastatic colorectal cancers.

- A $5 million collaborative initiative with Pfizer, Inc. and Myovant Sciences to advance the scientific knowledge regarding combination therapies with relugolix in the treatment of patients with prostate cancer.

- A $5 million collaborative initiative with Pfizer, Inc. to advance the scientific knowledge concerning the mechanisms of action, underlying biology and clinical effectiveness of Elranatamab in multiple myeloma.
NCCN ORP Funding Recipients

Quality Improvement Initiative to Understand and Mitigate Cardiovascular Risk in Patients with Prostate Cancer
Funder: Pfizer and Myovant Sciences | Oversight: Pfizer

Zhaoping Li, MD, PhD
UCLA Jonsson Comprehensive Cancer Center
Contribution of Race to Nutritional Approach to Lower Cardiovascular Risk Factors in Men Undergoing Androgen Deprivation Therapy

Vivek Narayan, MD, MSCE
Abramson Cancer Center at the University of Pennsylvania
The Cardiovascular Risk Evaluation in Men with Prostate Cancer (CARE-PC): Pilot Feasibility Study to Assess Patient Awareness and Risk Mitigation Access to Cellular Therapies

Alicia Morgans, MD, MPH
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center
CV CARE: Cardiovascular Care of Androgen Related Effects in Prostate Cancer Patients

Balaji Tamarappoo, MD, PhD
Indiana University Melvin and Bren Simon Comprehensive Cancer Center
Personalized Medical Treatment of Coronary Atherosclerosis in Prostate Cancer Patients Guided by Plaque Assessment with Quantitative Coronary CT Angiography

Camille Ragin, PhD, MPH, and Daniel Geynisman, MD
Fox Chase Cancer Center
Investigating the Role of African Genetic Ancestry in Cardiovascular Complications and Cardiotoxicity among Prostate Cancer Patients Post Treatment with Androgen Deprivation Therapy
NCCN ORP Funding Recipients

Quality of Care Initiative to Improve the Treatment of Locally Advanced or Metastatic Bladder Cancer Patients

Funder: Pfizer and EMD Serono | Oversight: Pfizer

Joaquim Bellmunt, MD, PhD
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

Management of Cisplatin-Ineligible Patients with Metastatic Bladder Cancer and The Role of Geriatric Assessments

Anoop Meraney, MD
Hartford HealthCare

Use of Patient-Provided Data to Improve Care for Advanced Bladder Cancer Patients

Adam Gadzinski, MD
Beaumont Health

Metastatic Bladder Cancer ECHO

Nihal Mohamed, PhD
Icahn School of Medicine at Mount Sinai

Assessment of Supportive Care and Educational Needs to Guide Quality Care Improvements for Patients with Locally Advanced and Metastatic Bladder Cancer (ACCESS)

Sumati Gupta, MD
Huntsman Cancer Institute at the University of Utah

Integrating Geriatric and Oncology Care Principles in Advanced Urothelial Cancer Care

Dharmesh Gopalakrishnan, MD
Roswell Park Comprehensive Cancer Center

A Comprehensive Education and Navigational Support Program for Advanced Bladder Cancer
NCCN ORP Funding Recipients

Improving the Quality of Care and Application of Best Practices in the Treatment of Patients with Small Cell Lung Cancer (SCLC)

Asrar AlAhmadi, MD
The Ohio State University Comprehensive Cancer Center – James Cancer Hospital and Solove Research Institute
The Impact of Area Deprivation Index on Clinical Outcomes for Extensive Stage Small Cell Lung Cancer

Salene M.W. Jones, PhD
Fred Hutchinson Cancer Center
Provider and Intervention Barriers to Multidisciplinary, Guideline Concordant Care in Lung Cancer

Afshin Dowlati, MD, and Melinda Hsu, MD
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute
An Innovative Team Approach to Standardize SCLC Care Delivery Across an Integrated Health Care System

In 2022, the NCCN ORP:

- Released 3 request for proposals (RFPs)
- Had manuscripts published in journals such as Cancer, Advances in Radiation Oncology and Frontiers in Oncology
- Presented 2 abstracts at the 2022 ASCO Annual Meeting, and these abstracts were also published in the Journal of Clinical Oncology
## NCCN Resources for Research

<table>
<thead>
<tr>
<th>Resource</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>NCCN Informed Consent Language (ICL) Database</strong></td>
<td>Comprehensive resource to assist researchers and clinical operations personnel with writing and amending informed consent forms for study participants. <em>Free access at NCCN.org</em></td>
</tr>
<tr>
<td><strong>NCCN Points to Consider on the Best Practices for Biorepositories, Registries, and Databases</strong></td>
<td>Tool and resource for research investigators who plan to design, implement, and manage a research study which intends to deposit, transfer, and/or access specimens or data in a biorepository, registry, or database. • Provides applicable principles, strategies, basic considerations, and best practices, with suggestions and examples to satisfy national and international standards, and funding agency and institutional requirements. <em>Free access at NCCN.org</em></td>
</tr>
<tr>
<td><strong>NCCN Shared Resources Database</strong></td>
<td>Database through which investigators share more than 271 unique assets, including complex technologies, instrumentation facilities, advanced human tissue specimen analysis, animal models, and specialized databases. • Enables collaborative research among cancer centers. <em>Free access at NCCN.org</em></td>
</tr>
</tbody>
</table>
JNCCN—Journal of the National Comprehensive Cancer Network

69
Research articles published in JNCCN in 2022; additionally, 5 were published online only at JNCCN.org

12.693
Impact factor measuring how frequently JNCCN is cited in other journals

>24,500
JNCCN circulation
JNCCN is dedicated to disseminating research results and new knowledge locally, nationally, and internationally while enhancing the collaboration between academic medicine and the community physician.

The journal provides the latest information on innovations in translational medicine, along with cutting-edge oncology health services research, including quality care and value, comparative and cost-effectiveness, public policy, and interventional research on supportive care and survivorship. JNCCN features updates on the NCCN Guidelines, including the NCCN Guidelines Insights, which provide behind-the-scenes views into the NCCN Guidelines Panel discussions that lead to important updates.

In 2022, the impact factor for JNCCN continued to grow steadily, hitting 12.693 for the latest year. This marks an increase of more than six points since 2017. The scientometric index is calculated by Clarivate, based on the yearly average number of citations of articles published during the previous two years. With the current impact factor, JNCCN now ranks 23rd out of all 245 oncology journals.
JNCCN announced five new members of the executive editorial board in 2022:

- **Andrew J. Armstrong, MD, ScM**
  Professor of Medicine, Surgery, Pharmacology and Cancer Biology, and Director of Research, Duke Cancer Institute Center for Prostate and Urologic Cancer
  *Duke Cancer Institute*

- **F. Marc Stewart, MD**
  Professor and Vice Chair, Department of Hematology & Hematopoietic Cell Transplantation
  *City of Hope National Medical Center*

- **Amye J. Tevaarwerk, MD**
  Senior Associate Consultant, Associate Professor
  *Mayo Clinical Comprehensive Cancer Center*

- **Lauren P. Wallner, PhD, MPH**
  Associate Professor, Department of Internal Medicine and Epidemiology, and Co-Lead, Cancer Control and Population Sciences Program
  *University of Michigan Rogel Cancer Center*

- **Mehran Yusuf, MD**
  Assistant Professor
  *O’Neal Comprehensive Cancer Center at UAB*
JNCCN Resources

JNCCN—Journal of the National Comprehensive Cancer Network
Peer-reviewed, PubMed-indexed oncology journal
• 13 issues per year, including a special edition on the NCCN Annual Conference
Available in print and online at JNCCN.org

JNCCN 360
An online resource that helps users quickly learn what’s new and important in the oncology world
• Organized by specific tumor type or disease and features links to key articles, trials, patient resources, videos, and more
• Spotlights focus on specific therapies with clinical recommendations, “pearls,” by practitioners who have hands-on experience with that therapy
Free online at JNCCN360.org
Engaging Stakeholders With Quality Content

568
People attended NCCN Academy Programs

>4,982
Permissions Requests to use or cite NCCN Content

100
Corporate Council Members (U.S. & Global)

85
Health Information Technology (HIT) companies licensed NCCN Content

>10,000
Individuals receive NCCN Flash Updates™
NCCN recognizes and appreciates the importance of ensuring that stakeholders have access to NCCN Guidelines and NCCN Content in whatever format they use. Throughout 2022, NCCN and oncology stakeholders continued to improve knowledge about evidence-based cancer care.

NCCN works with multiple organizations to disseminate NCCN content and engages key stakeholders to enhance collaborative efforts to expand awareness of NCCN programs and resources. In addition, NCCN collaborates with public and private payers, employers, pharmacy benefits managers, and related organizations for effective use of the NCCN Guidelines and associated clinical content for the development, implementation, and assessment of coverage and quality policies and programs.

New HIT Collaborations in 2022

NCCN and the Irish oncology software company ONCOassist announced a new collaboration that will focus on integrating NCCN Content to create a digital tool that will help oncology professionals around the world stay up to date with relevant clinical content about cancer care. ONCOassist hosts tools and content specific to oncology and is used by more than 73,000 professionals across 150+ countries.

NCCN and BostonGene announced a collaboration to integrate NCCN Guidelines into the BostonGene Tumor Portrait™ Test reports. This collaboration will allow physicians real-time access to evidence based care for cancer patients.
Growth of NCCN Licensing and Permissions

The commercial licensing and permission process was updated in 2022, creating a more efficient process for customers seeking to reproduce or distribute NCCN Content. There were 4,982 total submissions in 2022 — an all-time high. A Permissions 101 Webinar was also held in 2022 to inform customers about how to submit a request, what documents are needed, process improvements, and frequently asked questions. More than 400 people attended the webinar.

NCCN Academy for Excellence & Leadership in Oncology™ was held in July 2022 in Philadelphia, PA.
## Programs to Engage Stakeholders

<table>
<thead>
<tr>
<th>Program</th>
<th>Description</th>
<th>Details</th>
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<tbody>
<tr>
<td><strong>NCCN Academy for Excellence &amp; Leadership in Oncology™</strong></td>
<td>Interactive program through which pharmaceutical and biotech professionals learn about pressing issues in oncology today and how to apply this knowledge</td>
<td>• The April meeting was held virtually and the July meeting was held in Philadelphia, PA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Over 270 attendees</td>
</tr>
<tr>
<td><strong>NCCN Customized Academy for Excellence &amp; Leadership in Oncology™</strong></td>
<td>Opportunity to customize an NCCN Academy agenda that best aligns with organizations’ particular needs and interests</td>
<td>• 1 NCCN Customized Academy program was held virtually in 2022</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Over 250 attendees</td>
</tr>
<tr>
<td><strong>NCCN Global Academy for Excellence &amp; Leadership in Oncology™</strong></td>
<td>Interactive program focused on pressing issues in the global oncology environment</td>
<td>• 2022 meeting was held in Paris, France just prior to the ESMO Congress</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 44 attendees</td>
</tr>
<tr>
<td><strong>NCCN Corporate Council</strong></td>
<td>Works to enhance collaborative efforts between NCCN and pharmaceutical, biotechnology, and diagnostic companies to better serve patients</td>
<td>• The March NCCN Corporate Council meeting was held virtually and the July meeting was held in Philadelphia, PA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 82 members</td>
</tr>
<tr>
<td><strong>NCCN Global Corporate Council</strong></td>
<td>Advances the development and expansion of NCCN Global programs by providing the opportunity for open dialogue, collaboration, and support of NCCN's mission and vision outside the United States</td>
<td>• 2022 meeting was held in Paris, France just prior to the ESMO Congress</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• 18 members</td>
</tr>
</tbody>
</table>
Using the NCCN Guidelines at Point of Care

<table>
<thead>
<tr>
<th>NCCN Content in Health Information Technology (HIT)</th>
<th>Incorporated in health information technology (HIT), through permissions and licensing arrangements</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• 85 HIT companies licensed NCCN content in 2022 and can be viewed on NCCN.org/HIT</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NCCN Content in Electronic Health Records (EHRs)</th>
<th>Organizations use NCCN Content in electronic health records through licensing arrangements</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Licensees of the NCCN Guidelines that provide decision support at point-of-care and NCCN Guidelines concordance reporting include AmerisourceBergen's IntelliDose TxA, Flatiron Assist, and McKesson Specialty Health Clear Value Plus™ (CVP)</td>
</tr>
<tr>
<td></td>
<td>• EHR companies that licensed NCCN Templates for point-of-care tools in 2022 include Cerner, CureMD, Epic, Flatiron OncoEMR, iKnowMed, MOSAIQ, and MEDITECH</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NCCN Flash Updates™</th>
<th>Timely outlines of the most recent updates to NCCN products and resources direct to subscribers’ and licensees’ inboxes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• NCCN sent 254 Flash Updates via e-mail in 2022</td>
</tr>
<tr>
<td></td>
<td>• More than 10,000 individuals receive NCCN Flash Updates™</td>
</tr>
</tbody>
</table>

Programs to Engage Employers and Payers

<table>
<thead>
<tr>
<th>Employer &amp; Payer Initiatives</th>
<th>NCCN works with commercial insurers, employers, and purchasers to ensure their members are receiving high-quality cancer care</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• NCCN Guidelines and associated resources are used for coverage determination for at least 85% of covered lives in the United States including by CMS for Medicare, and commercial payers and purchasers</td>
</tr>
<tr>
<td></td>
<td>• NCCN convened a group of employers, employer coalition groups and benefits managers from across the country to develop the NCCN Employer Toolkit in 2021 and continues to actively promote this resource for employers to utilize when designing their cancer coverage policies</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NCCN Employer Forums</th>
<th>Employer stakeholders discuss the current state of oncology care and relevant healthcare issues The NCCN Employer Advisory Group includes employers and employer coalition groups that are responsible for covering millions of lives through their employer-sponsored plans</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• The 6th Annual NCCN Employer Forum was held in July in Philadelphia, PA</td>
</tr>
</tbody>
</table>
NCCN Policy Program

Promoting Effective Policies

33
Articles, statements, comment letters, and endorsement letters written by the NCCN Policy team

34
Meetings with policymakers and administrators
Throughout 2022, NCCN continued to lead the way by collaborating with healthcare policy stakeholders to ensure that NCCN continued to influence policy in support of our mission and vision.

To facilitate equitable access to quality care as recommended by NCCN Guidelines, NCCN collaborates with stakeholders to improve and facilitate quality cancer care and ensure the use of NCCN Guidelines in health policy and coverage determination and patient accessibility to guideline-concordant care.

In 2022, NCCN led the drafting of a letter signed by nearly 100 cancer organizations urging congress to fund Cancer Moonshot Initiatives. The letter detailed the urgent need for funding especially in light of delayed screenings, treatments, and research caused by the COVID-19 pandemic. It also identified the unique opportunity to accelerate the pace of discovery with additional resources. NCCN’s partnership to reduce the cancer burden in Sub-Saharan Africa was also featured in a White House Cancer Moonshot Fact Sheet published in December 2022.

Danielle Carnival, PhD, Coordinator, White House Moonshot Initiative, spoke at the NCCN Policy Summit in September 2022 about practice changes and trends in legislative and regulatory efforts that affect patient access to cancer screening and risk reduction.
In 2022, NCCN expanded work to pilot and disseminate the Health Equity Report Card (HERC), a tool developed by the Elevating Cancer Equity Working Group and intended for use by healthcare organizations, payers, and accreditation entities seeking to advance more equitable care. The HERC is comprised of 17 total practice recommendations across four domains: Community Engagement; Accessibility of Care and Addressing Social Determinants of Health; Addressing Bias in Care Delivery; and the Quality and Comprehensiveness of Care.

In 2022, the initiative:

• Launched a pilot of the HERC across 5 academic cancer centers
• Developed infrastructure to support a pilot of the HERC in community settings
• Launched the Alliance for Cancer Care Equity (ACCE) in partnership with the American Cancer Society Cancer Action Network and National Minority Quality Forum. The ACCE works to advance structural change through federal advocacy for more equitable cancer care systems.

The October 2022 issue of JNCCN also featured original research from NCCN, the American Cancer Society Cancer Action Network, the National Minority Quality Forum, and Public Opinion Strategies on patient, caregiver, and oncologist experiences with and perceptions of racial bias and discrimination in cancer care delivery.

Access the issue online at JNCCN.org.

“We enthusiastically support this commitment to ‘end cancer as we know it’ and are prepared to work with bipartisan lawmakers to enact public policies that will achieve this goal.”

- Robert W. Carlson, MD
CEO, NCCN
The 2022 NCCN Patient Advocacy Summit explored stories and data highlighting barriers to high-quality care that LGBTQ+ people with cancer experience, examining persistent setbacks and promising developments.
# NCCN Policy Programs

## NCCN Policy Summits

### Cancer Care in the Workplace: Building a 21st Century Workplace for Cancer Patients, Survivors, and Caretakers
June 17, 2022
This in-person and virtual program was held in Washington, D.C. and brought together a diverse group of experts to explore how adapting workplace culture to accommodate people with past or present cancer, and their caregivers, can lead to benefits for both employers and employees.
- Program participants: 177

### Reducing the Cancer Burden through Prevention and Early Detection
September 16, 2022
This in-person and virtual program was held in Washington, D.C. and featured Danielle Carnival, PhD, White House Moonshot Coordinator, and representatives from CDC, NCI, and USPSTF, who discussed the critical need for improvements in cancer prevention and early detection across the United States.
- Program participants: 300

## NCCN Patient Advocacy Summit

### Best Practices and Policies for Addressing the Health Needs of LGBTQ+ Cancer Patients and Survivors
December 2, 2022
This in-person and virtual program was held in Washington, D.C. and featured a welcome message from Admiral Rachel L. Levine, MD, Assistant Secretary for Health, Department of Health and Human Services, a keynote address from Dora Hughes, MD, MPH, Chief Medical Officer, Centers for Medicare and Medicaid Innovation, and several speakers and advocates from the LGBTQ+ community.
- Program participants: 283
Educating Cancer Care Teams

- **160** CE activities
- **>76,500** Total participants
- **>67,200** CE credits earned
The NCCN Continuing Education (CE) Program continued to impact patient care by creating positive change in the competence and performance of the interprofessional oncology care team through high-quality educational programming.

The NCCN CE Program focuses on educating the interprofessional oncology care team on the application of evidence-based medicine and adherence to clinical practice guidelines, and providing the tools necessary to improve and facilitate quality, effective, equitable, and accessible cancer care so all patients can live better lives.

The Plenary Sessions at the NCCN 2022 Virtual Annual Conference examined issues surrounding the patient journey: access to cancer care, equity of cancer care, and cancer survivor care.

For the first time in three years, NCCN hosted the NCCN Annual Congress: Hematologic Malignancies™ in person at the New York Marriott Marquis in New York City. This marked NCCN’s first large hybrid meeting as all live sessions were streamed through a virtual event platform so attendees everywhere could access interactive presentations, debates, and case study discussions. World-renowned experts presented on optimal evidence-based treatment options for blood cancers (including leukemias, lymphomas, and myeloma), and how best to minimize toxicities and manage adverse events.
# Continuing Education Programs

**NCCN Annual Conference**

Virtual sessions to share and discuss the latest cancer therapies and provide updates on selected NCCN Guidelines, the data upon which the NCCN Guidelines are based, and quality initiatives in oncology.

<table>
<thead>
<tr>
<th>Event</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NCCN 2022 Virtual Annual Conference</strong></td>
<td>March 31-April 2, 2022</td>
</tr>
<tr>
<td>• Live virtual event attendees: 1,043</td>
<td></td>
</tr>
<tr>
<td>• Recorded webcast viewers: 9,826</td>
<td></td>
</tr>
<tr>
<td><strong>NCCN 2022 Virtual Nursing Program: Advancing Oncology Nursing™</strong></td>
<td>March 30, 2022</td>
</tr>
<tr>
<td>• Live virtual event attendees: 354</td>
<td></td>
</tr>
<tr>
<td>• Recorded webcast viewers: 3,537</td>
<td></td>
</tr>
</tbody>
</table>

**NCCN Annual Congress**

Live hybrid meeting where world-renowned experts in hematologic malignancies discuss the latest treatment advances, updates to the standard of care as recommended in NCCN Guidelines, and challenging patient cases.

<table>
<thead>
<tr>
<th>Event</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NCCN 2022 Annual Congress: Hematologic Malignancies™</strong></td>
<td>October 14-15, 2022</td>
</tr>
<tr>
<td>• Live attendees: 570</td>
<td></td>
</tr>
<tr>
<td>• Recorded webcasts launched in December 2022</td>
<td></td>
</tr>
<tr>
<td><strong>NCCN 2022 Nursing Forum: Advancing Oncology Nursing in Hematologic Malignancies™</strong></td>
<td>October 15, 2022</td>
</tr>
<tr>
<td>• Live attendees: 104</td>
<td></td>
</tr>
<tr>
<td>• Recorded webcasts launched in December 2022</td>
<td></td>
</tr>
</tbody>
</table>

**NCCN Breast Cancer Congress**

Live virtual event that features experts in the management of breast cancer discussing new and emerging therapies, key updates to the NCCN Guidelines, and clinical research updates.

<table>
<thead>
<tr>
<th>Event</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NCCN 2022 Breast Cancer Congress with Updates from the 2022 San Antonio Breast Cancer Symposium™</strong></td>
<td>February 11, 2022</td>
</tr>
<tr>
<td>• Live webinar attendees: 563</td>
<td></td>
</tr>
<tr>
<td>• Recorded webcast viewers: 6,417</td>
<td></td>
</tr>
</tbody>
</table>
NCCN Webinar Series

NCCN Monthly Oncology Tumor Board Series™: A Multidisciplinary Approach to Individualized Patient Care
Series of 12 multidisciplinary case-based live webinars on the management of patients with various cancer types.
• Live webinar attendees: 1,839
• Recorded webcast viewers: 2,635

NCCN Pharmacy Updates: Webinar Series
Webinar series designed for pharmacists and the oncology care team to review the clinical and patient considerations that influence how to effectively optimize the management of patients with various cancer types
• Live webinar attendees: 2,527
• Recorded webcast viewers: 3,321

NCCN Guidelines® Insights

Articles published monthly in JNCCN that highlight why important decisions are made in the development of NCCN Guidelines®, and how to apply this information in clinical practice.

• Participants: 4,743

Throughout 2022, NCCN educational content covered more than 40 areas of cancer care, and participants could find options tailored by practice type and learning style.
## Additional Continuing Education Activities

<table>
<thead>
<tr>
<th>Topic</th>
<th>Description</th>
<th>Attending Details</th>
</tr>
</thead>
</table>
| **Current and Emerging Systemic Therapies for Renal Cell Carcinoma: Clinical Evidence and Guideline Recommendations** | Live webinars following the 2022 ASCO Gastrointestinal Cancers Symposium discussing current guidance and emerging strategies for treating patients with early and advanced HCC.                                                                                                                                                     | • Live symposium and simulcast attendees: 397  
• Recorded webcast viewers: 814                                                                                       |
| **Current and Emerging Systemic Therapies for Hepatocellular Carcinoma: Clinical Evidence and Guideline Recommendations** | Live webinars following the 2022 ASCO Genitourinary Cancers Symposium reviewing expert recommendations on interpreting the current clinical evidence and guideline recommendations for patients with RCC.                                                                                                                                                     | • Live webinar attendees: 307  
• Recorded webcast viewers: 411                                                                                         |
| **Application of Individualized Treatment Strategies for CLL/SLL**    | Satellite symposium at the 2022 ASCO Annual Meeting discussing optimal treatment strategies for patients with CLL/SLL.                                                                                                                                                                                                                           | • Live symposium and simulcast attendees: 131  
• Recorded webcast viewers: 493                                                                                         |
| **Clinical Considerations in Renal Cell Carcinoma: Current Evidence, Guideline Recommendations, and a View to the Future** | Satellite symposium at the 2022 ASCO Annual Meeting reviewing practical information on treatment selection and management of patients receiving therapy for RCC.                                                                                                                                                                           | • Live symposium and simulcast attendees: 127  
• Recorded webcast viewers: 563                                                                                         |
| **Expanding Options for Patients With Acute Myeloid Leukemia: Current and Evolving Therapeutic Approaches** | Live webinar following the 2022 ASCO Annual Meeting discussing the latest clinical data on approved and emerging therapies for AML and offering guidance on managing adverse events and integrating these agents into clinical practice.                                                                                                                              | • Live webinar attendees: 99  
• Recorded webcast viewers: 738                                                                                         |
| **New and Notable Clinical Data and Guideline Updates on Systemic Therapies in Hepatocellular Carcinoma** | Online activity following the 2022 ASCO Annual Meeting designed to improve the knowledge and competence of learners in the optimal management of patients with HCC.                                                                                                                                                           | • Recorded webcast viewers: 255                                                                                   |
| **Acute Myeloid Leukemia: Reviewing Current Best Practice and Exploring Novel Paradigms Ahead** | Satellite symposium preceding the 64th ASH Annual Meeting and Exposition focused on current best practice management and exploring novel paradigms for AML.                                                                                                                                                                         | • Live symposium and simulcast attendees: 728  
• Recorded webcast launched in December 2022                                                                         |
## Application of the Latest Data in CLL/SLL: Guidance for Current and Future Treatment Strategies

Satellite symposium preceding the 64th ASH Annual Meeting and Exposition provided learners with information on current recommendations and emerging strategies for treating patients with CLL/SLL.

- Live symposium and simulcast attendees: 363
- Recorded webcast launched in December 2022

## Supportive Oncology Care

Online activities developed with the Coleman Supportive Oncology Collaborative to describe guideline-based care and provide ways to incorporate it into patient care.

- Recorded webcast viewers: 2,325
For the first time in three years, the NCCN Hematologic Malignancies Congress was held in-person in October 2022 at the New York Marriott Marquis, New York City. A virtual attendance option was also available.
NCCN Foundation® Report

65 total NCCN Guidelines for Patients

8 new Webinar sessions and 4 new animations for patients

5 new NCCN Guidelines for Patients

>1.76 million Downloads of the NCCN Guidelines for Patients

50 new Language translations of NCCN Guidelines for Patients

>1.48 million Individual users of NCCN Guidelines for Patients

189 Collaborations with Patient Advocacy Groups to share NCCN Guidelines for Patients

13,370 In-person attendees and archive views of 2022 webinar sessions

28 updated NCCN Guidelines for Patients
In 2022, the NCCN Foundation, the philanthropic arm of NCCN, continued to make strides in empowering people living with cancer and advancing oncology innovation by supporting the publication of more NCCN Guidelines for Patients®, securing funds to expand resources for patients, and funding a new group of promising young investigators through the NCCN Foundation Young Investigator Awards (YIA) Program.

The NCCN Foundation made it possible for NCCN to publish 5 new NCCN Guidelines for Patients, 28 updated patient guidelines, 8 webinar sessions, 4 new animations for patients, and 50 language translations.

NCCN’s breast cancer patient resources received the 2022 Excellence in Cancer Patient Education award from the Cancer Patient Education Network (CPEN). The breast cancer patient resources were honored for their unique support of diversity, equity, and inclusion. NCCN was also awarded the silver award from Digital Health Awards for an infographic about immunotherapy side effects and library of animations for patients.

NCCN’s team who helps produce the NCCN Guidelines for Patients is shown here with the CPEN award.
In 2022, NCCN also published four animations for patients about metastatic breast cancer and new Spanish translations of the patient guidelines for breast cancer. For quick access to the new and updated breast cancer resources, visit NCCN.org/breast-cancer-resources.

Throughout 2022 NCCN focused on expanding their resources for those diagnosed with rare cancer diseases. NCCN released patient guidelines for marginal zone lymphoma (MZL), a cancer of the lymphatic system. MZL is a type of non-Hodgkin B-cell lymphoma that is typically slow-growing, and comprises about 8 percent of non-Hodgkin lymphoma cases. NCCN also translated 15 patient guidelines into Ukrainian. Read more about these resources in the global section of this report, or visit NCCN.org/Ukraine.

**Funding the NCCN Guidelines for Patients**

NCCN Guidelines for Patients are patient-friendly versions of the NCCN Guidelines. They are based on the same treatment information doctors use and help patients, families, and caregivers talk with their clinicians about the best treatment options for them.

These step-by-step guides to the latest advances in cancer care feature:

- Questions to ask doctors
- Patient-friendly illustrations
- Glossaries of terms and acronyms
In 2022, NCCN Guidelines for Patients had more than 1.78 million downloads by over 1.48 million individuals.

<table>
<thead>
<tr>
<th>Guidelines</th>
<th>Downloads</th>
</tr>
</thead>
<tbody>
<tr>
<td>NCCN Guidelines for Patients: Invasive Breast Cancer</td>
<td>115,517</td>
</tr>
<tr>
<td>NCCN Guidelines for Patients: Colon Cancer</td>
<td>85,379</td>
</tr>
<tr>
<td>NCCN Guidelines for Patients: Stomach Cancer</td>
<td>62,400</td>
</tr>
<tr>
<td>NCCN Guidelines for Patients: Metastatic Breast Cancer</td>
<td>60,448</td>
</tr>
</tbody>
</table>

**NEW NCCN Guidelines for Patients Published in 2022**

- Adrenal Tumors
- Breast Cancer Screening and Diagnosis
- Graft-Versus-Host Disease
- Marginal Zone Lymphoma
- Systemic Mastocytosis
Free Patient and Caregiver Resources

NCCN Guidelines for Patients®
- Adapted NCCN Guidelines written in plain language to help patients, families, and caregivers talk to clinicians about the best treatment options
- Comprehensive library of 65 Guidelines for Patients
- Free online at NCCN.org/patientguidelines and via the NCCN Patient Guides for Cancer App

Global Language Translations
- NCCN Guidelines for Patients translated from English
- NCCN Guidelines for Patients are translated into 22 languages
- Used by organizations around the world
- Free online at NCCN.org/patientguidelines and via the NCCN Patient Guides for Cancer App

Patient Webinars
- NCCN Guidelines for Patients presented in a live online informational program
- 8 patient webinar sessions were held in 2022, including one presented entirely in Spanish
- Presenters from multiple disciplines including providers, advocates, and patients
- Q&A section allows audience engagement
- Archived programs available free online at NCCN.org/patientwebinars

Animations for Patients
- NCCN Animations for Patients take important concepts from the NCCN Guidelines for Patients and make them easier to comprehend by explaining them via animated videos
- 4 animations were created in 2022 highlighting metastatic breast cancer
- Available free online at NCCN.org/patients
Educating Patients with Free Webinars

NCCN expanded its series of free webinars for people living with cancer and their caregivers. These live informational programs are created in conjunction with NCCN Guidelines for Patients and supported by the NCCN Foundation. The webinars are also recorded and posted for anyone to view afterward as a value to future patients.

Growing Outreach with Collaborators

NCCN Foundation worked with 189 patient advocacy organizations to collaborate on and promote the NCCN Guidelines for Patients.

Increasing Reach

In 2022, the NCCN Foundation established new relationships with community healthcare organizations, professional associations, and employers to increase awareness of and access to NCCN patient resources. This work helped us reach an additional 380,000 people.
Young Investigator Awards (YIA) Program

Since the program’s inception in 2011, the NCCN Foundation has awarded more than $9.7 million to 66 early career investigators from NCCN Member Institutions.

The NCCN Foundation YIA Program works with the NCCN Oncology Research Program to identify and nominate the most promising young investigators representing NCCN Member Institutions. Selected early-career investigators receive vital funding for cancer research to spur treatment innovation and career advancement. Awardee research is highlighted in many scientific healthcare publications and journals.

In 2022, YIA funders included AbbVie; ADVI; Amgen Inc.; AstraZeneca; Bristol Myers Squibb; Merck & Co., Inc.; Pfizer Inc; Pharmacyclics, An AbbVie Company; and Sanofi Genzyme.

The 2022 YIA program was granted over $1 million to support promising oncology researchers in the early stages of their careers.
2022 YIA Awardees

Abhishek Chakraborty, PhD  
*Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute*  
Functional In Vivo Genetic Screens Identify Oncogenic Vulnerabilities in Kidney Cancer

Ana I. Tergas, MD, MPH  
*City of Hope National Medical Center*  
Genetic Ancestry, Cervical Cancer Outcomes, and Prevalence of Homologous DNA Repair Deficiency in a Diverse Multi-ethnic Population

Christos Fountzilas, MD, FACP  
*Roswell Park Comprehensive Cancer Center*  
Novel Combination Therapy for Colorectal and Esophageal Cancers

Richard Tobin, PhD  
*University of Colorado Cancer Center*  
Enhancing MAIT Cell Antitumor Activity by Epigenetic Priming in Mucosal Melanoma

Zachary Frosch, MD, MSHP  
*Fox Chase Cancer Center*  
Developing Patient-Centered Strategies to Improve Equitable Access to Cellular Therapies

Shuang (George) Zhao, MD, MS  
*University of Wisconsin Carbone Cancer Center*  
Liquid Biomarkers of Response to Radium-223 in Metastatic Prostate Cancer

Chad Tang, MD  
*The University of Texas MD Anderson Cancer Center*  
Spatial Evolution of Immune Cell Dysfunction during Development of Oligometastatic RCC and its Perturbation by Radiation Therapy
NCCN Foundation Leadership

NCCN Foundation Board of Directors

The NCCN Foundation Board of Directors comprises volunteers with diverse backgrounds and experiences, all of whom share a passion for the mission of the NCCN Foundation.

They generously volunteer their time to make a difference in the lives of people with cancer.

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Blue Note Therapeutics

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Harborside Press, LLC

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Fox Chase Cancer Center

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Rush University Medical Center

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ADVI

Sara Silacci
Dana-Farber/Brigham and Women’s Cancer Center / Massachusetts General Hospital Cancer Center

Susan Stein, MPH
Turning Point Therapeutics

NCCN Foundation Finance Committee

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Fox Chase Cancer Center

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Turning Point Therapeutics

2022 Individual Donors

NCCN Foundation gratefully recognizes support from the following individuals.

$10,000 or more
Wui-Jin Koh, MD
Heather J. Kopecky, PhD, MBA
Marc Samuels, JD, MPH
Stacey Starcher & Robert W. Carlson, MD

$5,000 - $9,999
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Louis Della Penna
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Abramson Cancer Center at the University of Pennsylvania

Sara H. Javid, MD
Fred Hutchinson Cancer Center

Jairam Krishnamurthy, MD, FACP
Fred & Pamela Buffett Cancer Center

A. Marilyn Leitch, MD
UT Southwestern Simmons Comprehensive Cancer Center

Janice Lyons, MD
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

Joanne E. Mortimer, MD, FACP
City of Hope National Medical Center

Sameer A. Patel, MD, FACS
Fox Chase Cancer Center

Lori J. Pierce, MD
University of Michigan Rogel Cancer Center

Laura H. Rosenberger, MD, MS
Duke Cancer Institute

Hope S. Rugo, MD
UCSF Helen Diller Family Comprehensive Cancer Center

Bryan P. Schneider, MD
Indiana University Melvin and Bren Simon Comprehensive Cancer Center

Mary Lou Smith, MBA, JD
Research Advocacy Network

Hatem Soliman, MD
Moffitt Cancer Center

Erica M. Stringer-Reasor, MD
O'Neal Comprehensive Cancer Center at UAB

Melinda L. Telli, MD
Stanford Cancer Institute

Mei Wei, MD
Huntsman Cancer Institute at the University of Utah

Kari B. Wisinski, MD
University of Wisconsin Carbone Cancer Center

Kay T. Yeung, MD, PhD
UC San Diego Moores Cancer Center

Jessica S. Young, MD
Roswell Park Comprehensive Cancer Center

Central Nervous System Cancers Panel

Louis B. Nabors, MD / Chair
O'Neal Comprehensive Cancer Center at UAB

Jana Portnow, MD / Vice-Chair
City of Hope National Medical Center

Joachim Baehring, MD
Yale Cancer Center/Smilow Cancer Hospital

Ankush Bhatia, MD
University of Wisconsin Carbone Cancer Center

Orin Bloch, MD
UC Davis Comprehensive Cancer Center

Steven Brem, MD
Abramson Cancer Center at the University of Pennsylvania

Nicholas Butowski, MD
UCSF Helen Diller Family Comprehensive Cancer Center

Donald M. Cannon, MD
Huntsman Cancer Institute at the University of Utah

Samuel Chao, MD
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

Milan G. Chheda, MD
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

Andrew J. Fabiano, MD
Roswell Park Comprehensive Cancer Center

Peter Forsyth, MD
Moffitt Cancer Center

Pierre Giglio, MD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Jona Hattangadi-Gluth, MD
UC San Diego Moores Cancer Center

Matthias Holdhoff, MD, PhD
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Craig Horbins, MD, PhD
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Thomas Kaley, MD
Memorial Sloan Kettering Cancer Center

Michelle Kim, MD
University of Michigan Rogel Cancer Center

Ryan Merrell, MD
Vanderbilt-Ingram Cancer Center

Maciej M. Mrugala, MD, PhD, MPH
Mayo Clinic Comprehensive Cancer Center

Seema Nagpal, MD
Stanford Cancer Institute

Lucien A. Nedzi, MD
St. Jude Children's Research Hospital/The University of Tennessee Health Science Center

Kathryn Nevel, MD
Indiana University Melvin and Bren Simon Comprehensive Cancer Center

Phioanh L. Nghiemphu, MD
UCLA Jonsson Comprehensive Cancer Center

Ian Parney, MD, PhD
Mayo Clinic Comprehensive Cancer Center

Toral R. Patel, MD
UT Southwestern Simmons Comprehensive Cancer Center

Katherine B. Peters, MD, PhD, FAAN
Duke Cancer Institute
Cervical/Uterine Cancers Panel

Nadeem R. Abu-Rustum, MD / Chair
Memorial Sloan Kettering Cancer Center

Catheryn M. Yashar, MD / Vice-Chair
UC San Diego Moores Cancer Center

Rebecca Arend, MD
O’Neal Comprehensive Cancer Center at UAB

Emma L. Barber, MD
Robert H. Lurie Comprehensive Cancer Center at Northwestern University

Kristin A. Bradley, MD
University of Wisconsin Carbone Cancer Center

Rebecca A. Brooks, MD
UC Davis Comprehensive Cancer Center

Susana M. Campos, MD, MPH, MS
Dana-Farber/B Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

Junzo Chino, MD
Duke Cancer Institute

Hye Sook Chon, MD
Moffitt Cancer Center

Christina S. Chu, MD
Fox Chase Cancer Center

Marta Ann Crispens, MD
Vanderbilt-Ingram Cancer Center

Shari Damast, MD
Yale Cancer Center/Smilow Cancer Hospital

Christine M. Fisher, MD, MPH
University of Colorado Cancer Center

Peter Frederick, MD
Roswell Park Comprehensive Cancer Center

David K. Gaffney, MD, PhD
Huntsman Cancer Institute at the University of Utah

Robert L. Giuntoli II, MD
Abramson Cancer Center at the University of Pennsylvania

Ernest S. Han, MD, PhD
City of Hope National Medical Center

Jordan Holmes, MD, MPH
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Jayanthi S. Lea, MD
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Andrea Mariani, MD
Mayo Clinic Comprehensive Cancer Center

David G. Mutch, MD
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Christa Nagel, MD
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Larissa Nekhlyudov, MD, MPH
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Mirna Podoll, MD
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Kerry Rodabaugh, MD
Fred & Pamela Buffett Cancer Center

Ritu Salani, MD, MBA
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John O. Schorge, MD
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Scott Schuetze, MD, PhD
University of Michigan Rogel Cancer Center

Jean H. Siegel, DO, MS
University of Michigan Rogel Cancer Center

Rachel Sisodia, MD
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

Pamela T. Soliman, MD, MPH
The University of Texas MD Anderson Cancer Center

Stefanie Ueda, MD
UCSF Helen Diller Family Comprehensive Cancer Center

Renata R. Urban, MD
Fred Hutchinson Cancer Center

Stephanie L. Wethington, MD, MSc
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Emily A. Wyse, BA
Fred Hutchinson Cancer Center

Kristine M. Zanotti, MD
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute
Chronic Myeloid Leukemia Panel

Neil P. Shah, MD, PhD / Chair
UCSF Helen Diller Family Comprehensive Cancer Center

Ravi Bhatia, MD / Vice-Chair
O’Neal Comprehensive Cancer Center at UAB

Jessica K. Altman, MD
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Maria Amaya, MD, PhD
University of Colorado Cancer Center

Kebede H. Begna, MD
Mayo Clinic Comprehensive Cancer Center

Ellin Berman, MD
Memorial Sloan Kettering Cancer Center

Robert Collins, MD
UT Southwestern Simmons Comprehensive Cancer Center

Peter T. Curtin, MD
City of Hope National Medical Center

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The University of Texas MD Anderson Cancer Center

Lori J. Maness, MD
Fred & Pamela Buffett Cancer Center

Monica Mead, MD
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Sanjay R. Mohan, MD, MSCI
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Vivian G. Oehler, MD
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Keith Pratz, MD
Abramson Cancer Center at the University of Pennsylvania

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Michal G. Rose, MD
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Jeanna Welborn, MD
UC Davis Comprehensive Cancer Center

David T. Yang, MD
University of Wisconsin Carbone Cancer Center

CLL/SLL/Hairy Cell Leukemia Panel

William G. Wierda, MD, PhD / Chair
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Jennifer A. Woyach, MD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

J. Christine Ye, MD, MSc
University of Michigan Rogel Cancer Center

Colon/Rectal/Anal Cancers Panel

AI B. Benson III, MD, FACP, FASCO / Chair
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Alan P. Venook, MD / Vice-Chair
UCSF Helen Diller Family Comprehensive Cancer Center

Nilofer Azad, MD
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Yi-Jen Chen, MD, PhD
City of Hope National Medical Center

Kristen K. Ciombor, MD
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Harry S. Cooper, MD
Fox Chase Cancer Center

Dustin A. Deming, MD
University of Wisconsin Carbone Cancer Center

Ignacio Garrido-Laguna, MD, PhD
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Jean L. Grem, MD
Fred & Pamela Buffett Cancer Center

J. Randolph Hecht, MD
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Sarah E. Hoffe, MD
Moffitt Cancer Center

Joleen M. Hubbard, MD
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Steven Hunt, MD
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

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UC Davis Comprehensive Cancer Center

Kimberly L. Johung, MD, PhD
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Natalie Kirilcuk, MD
Stanford Cancer Institute

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Wells A. Messersmith, MD
University of Colorado Cancer Center

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Massachusetts General Hospital Cancer Center

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Leonard B. Saltz, MD
Memorial Sloan Kettering Cancer Center

Charles J. Schneider, MD, FACP
Abramson Cancer Center at the University of Pennsylvania

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St. Jude Children's Research Hospital / The University of Tennessee Health Science Center

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The University of Texas MD Anderson Cancer Center

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Memorial Sloan Kettering Cancer Center

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UT Southwestern Simmons Comprehensive Cancer Center

Christopher G. Willett, MD
Duke Cancer Institute

Grant R. Williams, MD, MSPH
O'Neal Comprehensive Cancer Center at UAB

Esophageal/Gastric Cancers Panel

Jaffer A. Ajani, MD / Chair
The University of Texas MD Anderson Cancer Center

Thomas A. D'Amico, MD / Vice-Chair
Duke Cancer Institute

David J. Bentrem, MD, MS
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Rajesh N. Keswani, MD
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Sunnie Kim, MD
University of Colorado Cancer Center

Lawrence R. Kleinberg, MD
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Samuel J. Klempner, MD
Dana-Farber/Brigham and Women's Cancer Center |
Massachusetts General Hospital Cancer Center

Jill Lacy, MD
Yale Cancer Center / Smilow Cancer Hospital

Frank Licciardi
Memorial Sloan Kettering Cancer Center

Quan P. Ly, MD
Fred & Pamela Buffett Cancer Center

Kristina A. Matkowskyj, MD, PhD
University of Wisconsin Carbone Cancer Center

Michael J. McNamara, MD
Case Comprehensive Cancer Center / University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

Aaron Miller
UC San Diego Moores Cancer Center

Sarbajit Mukherjee, MD, MS
Roswell Park Comprehensive Cancer Center

Mary F. Mulcahy, MD
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Darryl Outlaw, MD
O'Neal Comprehensive Cancer Center at UAB

Kyle A. Perry, MD
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NCCN Leadership, Committees, Groups, and Panels

Scott Reznik, MD  
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Robert Roses, MD  
Abramson Cancer Center  
at the University of Pennsylvania

Vivian E. Strong, MD  
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Cancer Center

Stacey Su, MD  
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Hanlin L. Wang, MD, PhD  
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Christopher G. Willett, MD  
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Yanghee Woo, MD, FACS  
City of Hope  
National Medical Center

Danny Yakoub, MD, PhD  
St. Jude Children's  
Research Hospital/  
The University of Tennessee  
Health Science Center

Harry H. Yoon, MD  
Mayo Clinic  
Comprehensive Cancer Center

Head and Neck Cancers Panel

David G. Pfister, MD / Chair  
Memorial Sloan Kettering  
Cancer Center

Sharon Spencer, MD / Vice-Chair  
O'Neal Comprehensive  
Cancer Center at UAB

Douglas R. Adkins, MD  
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

Andrew C. Birkeland, MD  
UC Davis  
Comprehensive Cancer Center

David M. Brizel, MD  
Duke Cancer Institute

Paul M. Busse, MD, PhD  
Dana-Farber/Brigham and Women's Cancer Center  
Massachusetts General Hospital Cancer Center

Jimmy J. Caudell, MD, PhD  
Moffitt Cancer Center

Anthony Cmelak, MD  
Vanderbilt-Ingram Cancer Center

A. Dimitrios Colevas, MD  
Stanford Cancer Institute

Greg Durm, MD, MS  
Indiana University  
Melvin and Bren Simon Comprehensive Cancer Center

Carole Fakhry, MD, MPH  
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Thomas J. Galloway, MD  
Fox Chase Cancer Center

Jessica Geiger, MD  
Case Comprehensive Cancer Center/  
University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

Maura L. Gillison, MD, PhD  
The University of Texas  
MD Anderson Cancer Center

Robert I. Haddad, MD  
Dana-Farber/Brigham and Women's Cancer Center  
Massachusetts General Hospital Cancer Center

Wesley L. Hicks, Jr., MD  
Roswell Park Comprehensive Cancer Center

Ying J. Hitchcock, MD  
Huntsman Cancer Institute  
at the University of Utah

Antonio Jimeno, MD, PhD  
University of Colorado Cancer Center

Debra S. Leizman, MD  
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University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

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City of Hope  
National Medical Center

Loren K. Mell, MD  
UC San Diego Moores Cancer Center

Bharat B. Mittal, MD  
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Harlan A. Pinto, MD  
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James W. Rocco, MD, PhD  
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Comprehensive Cancer Center  
James Cancer Hospital and Solove Research Institute

Cristina P. Rodriguez, MD  
Fred Hutchinson Cancer Center

Panayiotis S. Savvides, MD, PhD  
Mayo Clinic  
Comprehensive Cancer Center

David Schwartz, MD  
St. Jude Children's  
Research Hospital/  
The University of Tennessee  
Health Science Center

Jatin P. Shah, MD, PhD  
Memorial Sloan Kettering  
Cancer Center

David J. Sher, MD, MPH  
UT Southwestern Simmons  
Comprehensive Cancer Center

Maie St. John, MD, PhD  
UCLA Jonsson  
Comprehensive Cancer Center

He Wang, MD, PhD  
Yale Cancer Center/  
Smilow Cancer Hospital

Gregory Weinstein, MD  
Abramson Cancer Center  
at the University of Pennsylvania

Francis P. Worden, MD  
University of Michigan  
Rogel Cancer Center

Justine Yang Bruce, MD  
University of Wisconsin  
Carbone Cancer Center

Sue S. Yom, MD, PhD  
UCSF Helen Diller Family  
Comprehensive Cancer Center

Weining Zhen, MD  
Fred & Pamela Buffett Cancer Center
## Hepatobiliary Cancers Panel

**Al B. Benson III, MD, FACP, FASCO / Chair**  
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

**Michael I. D’Angelica, MD / Vice-Chair**  
Memorial Sloan Kettering Cancer Center

Daniel E. Abbott, MD  
University of Wisconsin  
Carbone Cancer Center

Aijaz Ahmed, MD  
Stanford Cancer Institute

Daniel A. Anaya, MD  
Moffitt Cancer Center

Robert Anders, MD, PhD  
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Chandranth Are, MBBS, MBA, FACS, FRCS  
Fred & Pamela Buffett Cancer Center

Melinda Bachini  
Cholangiocarcinoma Foundation

David Binder, MD  
University of Colorado Cancer Center

Mitesh J. Borad, MD  
Mayo Clinic  
Comprehensive Cancer Center

Christopher Bowlus, MD  
UC Davis  
Comprehensive Cancer Center

Daniel B. Brown, MD, FSIR  
Vanderbilt-Ingram Cancer Center

Adam Burgoyne, MD, PhD  
UC San Diego Moores Cancer Center

Prabhleen Chahal, MD  
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

Jordan M. Cloyd, MD  
The Ohio State University  
Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Anne M. Covey, MD  
Memorial Sloan Kettering Cancer Center

Evan S. Glazer, MD, PhD, FACS  
St. Jude Children’s Research Hospital  
The University of Tennessee Health Science Center

Lipika Goyal, MD  
Dana-Farber/Brigham and Women’s Cancer Center | Massachusetts General Hospital Cancer Center

William G. Hawkins, MD  
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

Renuka Iyer, MD  
Roswell Park Comprehensive Cancer Center

Roijymon Jacob, MD  
O’Neal Comprehensive Cancer Center at UAB

Lawrence Jennings, MD, PhD  
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Robin K. Kelley, MD  
UCSF Helen Diller Family Comprehensive Cancer Center

Robin Kim, MD  
Huntsman Cancer Institute at the University of Utah

Matthew H. Levine, MD, PhD  
Abramson Cancer Center at the University of Pennsylvania

Manisha Palta, MD  
Duke Cancer Institute

James O. Park, MD  
Fred Hutchinson Cancer Center

Steven S. Raman, MD  
UCLA Jonsson Comprehensive Cancer Center

Sanjay S. Reddy, MD, FACS  
Fox Chase Cancer Center

Vaibhav Sahai, MBBS, MS  
University of Michigan  
Rogel Cancer Center

Gagandeep Singh, MD  
City of Hope  
National Medical Center

Stacey M. Stein, MD  
Yale Cancer Center/Smilow Cancer Hospital

Anita Turk, MD  
Indiana University

Melvin and Bren Simon Comprehensive Cancer Center

Jean-Nicolas Vauthey, MD  
The University of Texas  
MD Anderson Cancer Center

Alan P. Venook, MD  
UCSF Helen Diller Family Comprehensive Cancer Center

Adam Yopp, MD  
UT Southwestern Simmons Comprehensive Cancer Center

## Histiocytic Neoplasms Panel

**Ronald S. Go, MD / Chair**  
Mayo Clinic  
Comprehensive Cancer Center

**Eric Jacobsen, MD / Vice-Chair**  
Dana-Farber/Brigham and Women's Cancer Center  
Massachusetts General Hospital Cancer Center

Robert Baiocchi, MD, PhD  
The Ohio State University  
Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Ilia Buhtoiarov, MD  
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

Erin B. Butler, MD  
UT Southwestern Simmons Comprehensive Cancer Center

Patrick K. Campbell, MD, PhD  
St. Jude Children's Research Hospital  
The University of Tennessee Health Science Center

Don W. Coulter, MD  
Fred & Pamela Buffett Cancer Center
<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
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<tbody>
<tr>
<td>Eli Diamond, MD</td>
<td>Memorial Sloan Kettering Cancer Center</td>
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<tr>
<td>Denis M. Dwyre, MD</td>
<td>UC Davis Comprehensive Cancer Center</td>
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<td>Aron Flagg, MD</td>
<td>Yale Cancer Center/Smilow Cancer Hospital</td>
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<tr>
<td>Deanna Fournier, BA</td>
<td>Histiocytosis Association</td>
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<td>Aaron M. Goodman, MD</td>
<td>UC San Diego Moores Cancer Center</td>
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<td>Gaurav Goyal, MD</td>
<td>O’Neal Comprehensive Cancer Center</td>
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<td>Dita Gratzinger, MD, PhD</td>
<td>Stanford Cancer Institute</td>
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<td>Paul C. Hendrie, MD, PhD</td>
<td>Fred Hutchinson Cancer Center</td>
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<tr>
<td>Meghan Higman, MD, PhD</td>
<td>Roswell Park Comprehensive Cancer Center</td>
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<td>Michael D. Hogarty, MD</td>
<td>Abramson Cancer Center at the University of Pennsylvania</td>
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<td>Reem Karmali, MS</td>
<td>Robert H. Lurie Comprehensive Cancer Center of Northwestern University</td>
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<td>Nicole Karras, MD</td>
<td>City of Hope</td>
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<td>Naveen Manchanda, MD</td>
<td>Indiana University Melvin and Bren Simon Comprehensive Cancer Center</td>
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<td>David Morgan, MD</td>
<td>Vanderbilt-Ingram Cancer Center</td>
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<td>Ann C. Raldow, MD, MPH</td>
<td>UCLA Jonsson</td>
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<td>Srinivas K. Tantravahi, MBBS, MRCP</td>
<td>Huntsman Cancer Institute at the University of Utah</td>
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<td>Kelly Walkovich, MD</td>
<td>University of Michigan Rogel Cancer Center</td>
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<td>Elias T. Zambidis, MD, PhD</td>
<td>The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins</td>
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<td>Ling Zhang, MD</td>
<td>Moffitt Cancer Center</td>
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<td>Richard T. Hoppe, MD / Chair</td>
<td>Stanford Cancer Institute</td>
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<td>Ranjana H. Advani, MD / Vice-Chair</td>
<td>Stanford Cancer Institute</td>
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<td>Richard F. Ambinder, MD, PhD</td>
<td>The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins</td>
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<td>Philippe Armand, MD, PhD</td>
<td>Dana-Farber/Brigham and Women’s Cancer Center</td>
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<td>Celeste M. Bello, MD, MSPH</td>
<td>Moffitt Cancer Center</td>
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<td>Cecil M. Benitez, MD, PhD</td>
<td>UCLA Jonsson</td>
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<td>Weina Chen, MD, PhD</td>
<td>UT Southwestern Simmons Comprehensive Cancer Center</td>
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<td>Sheen Cherian, MD</td>
<td>Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute</td>
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<td>Bouthaina Dabaja, MD</td>
<td>The University of Texas MD Anderson Cancer Center</td>
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<td>Megan E. Daly, MD</td>
<td>UC Davis Comprehensive Cancer Center</td>
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<td>Jamie Flerlage, MD, MS</td>
<td>St. Jude Children’s Research Hospital/ The University of Tennessee Health Science Center</td>
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<td>Fox Chase Cancer Center</td>
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<td>Fred &amp; Pamela Buffett Cancer Center</td>
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<td>Alex F. Herrera, MD</td>
<td>City of Hope</td>
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<tr>
<td>Mark S. Kaminski, MD</td>
<td>University of Michigan Rogel Cancer Center</td>
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<tr>
<td>Christopher R. Kelsey, MD</td>
<td>Duke Cancer Institute</td>
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<tr>
<td>Vaishalee P. Kenkre, MD</td>
<td>University of Wisconsin Carbone Cancer Center</td>
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<tr>
<td>Ryan C. Lynch, MD</td>
<td>Fred Hutchinson Cancer Center</td>
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<tr>
<td>Kami Maddocks, MD</td>
<td>The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute</td>
</tr>
<tr>
<td>Jonathan McConathy, MD, PhD</td>
<td>O’Neal Comprehensive Cancer Center at UAB</td>
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<tr>
<td>David Morgan, MD</td>
<td>Vanderbilt-Ingram Cancer Center</td>
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<tr>
<td>Carolyn Mulroney, MD</td>
<td>UC San Diego Moores Cancer Center</td>
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<tr>
<td>Sheeja T. Pullarkat, MD</td>
<td>UCLA Jonsson</td>
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<tr>
<td>Rachel Rabinovitch, MD</td>
<td>University of Colorado Cancer Center</td>
</tr>
<tr>
<td>Karen C. Rosenspire, MD, PhD</td>
<td>Abramson Cancer Center at the University of Pennsylvania</td>
</tr>
<tr>
<td>Stuart Seropian, MD</td>
<td>Yale Cancer Center/Smilow Cancer Hospital</td>
</tr>
<tr>
<td>Michael A. Spinner, MD</td>
<td>UCSF Helen Diller Family Comprehensive Cancer Center</td>
</tr>
</tbody>
</table>
Kidney Cancer Panel

Robert J. Motzer, MD / Chair
Memorial Sloan Kettering Cancer Center

Eric Jonasch, MD / Vice-Chair
The University of Texas
MD Anderson Cancer Center

Neeraj Agarwal, MD
Huntsman Cancer Institute at the University of Utah

Ajai Alva, MBBS
University of Michigan
Rogel Cancer Center

Michael Baine, MD, PhD
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Kathryn Beckermann, MD, PhD
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Arpita Desai, MD
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Yasser Ged, MBBS
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Saby George, MD, FACP
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Fred Hutchinson Cancer Center

Andrew J. Gunn, MD
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Naomi Haas, MD
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Payal Kapur, MD
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Jennifer King, MD
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Melvin and Bren Simon Comprehensive Cancer Center

Christos Kyriakopoulos, MD
University of Wisconsin Carbone Cancer Center

Elaine T. Lam, MD
University of Colorado Cancer Center

Primo N. Lara, Jr., MD
UC Davis
Comprehensive Cancer Center

Clayton Lau, MD
City of Hope
National Medical Center

Bryan Lewis, JD
KidneyCAN

David C. Madoff, MD
Yale Cancer Center/Smilow Cancer Hospital

Brandon Manley, MD
Moffitt Cancer Center

M. Dror Michaelson, MD, PhD
Dana-Farber/Brigham and Women's Cancer Center | Massachusetts General Hospital Cancer Center

Melanoma Panel

Susan M. Swetter, MD / Chair
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John A. Thompson, MD / Vice-Chair
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Mark R. Albertini, MD
University of Wisconsin Carbone Cancer Center

Christopher A. Barker, MD
Memorial Sloan Kettering Cancer Center

Joel Baumgartner, MD
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Dominick DiMaio, MD
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NCCN Leadership, Committees, Groups, and Panels

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University of Colorado Cancer Center

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AIM at Melanoma

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Katy Tsai, MD
UCSF Helen Diller Family Comprehensive Cancer Center

Evan Wuthrich, MD
Moffitt Cancer Center

Yan Xing, MD, PhD
City of Hope
National Medical Center

Multiple Myeloma/
Systemic Light Chain Amyloidosis/Waldenström
Macroglobulinemia Panel

Shaji K. Kumar, MD / Chair
Mayo Clinic
Comprehensive Cancer Center

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Massachusetts General Hospital Cancer Center

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The University of Tennessee Health Science Center

Alfred Garfall, MD
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Kelly N. Godby, MD
O'Neal Comprehensive Cancer Center at UAB
NCCN Leadership, Committees, Groups, and Panels

Myelodysplastic Syndromes Panel

**Peter L. Greenberg, MD / Chair**  
Stanford Cancer Institute

**Richard M. Stone, MD / Vice-Chair**  
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Aref Al-Kali, MD  
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University of Rochester

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National Medical Center

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MD Anderson Cancer Center

Aaron D. Goldberg, MD, PhD  
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Roswell Park Comprehensive Cancer Center

Meagan Jacoby, MD, PhD  
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Brian A. Jonas, MD, PhD  
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Comprehensive Cancer Center

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Fred Hutchinson Cancer Center

Rashmi Khanal, MD  
Fox Chase Cancer Center

Ashwin Kishhtagari, MD  
Vanderbilt-Ingram Cancer Center

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Lori J. Maness, MD  
Fred & Pamela Buffett Cancer Center

Shannon McCurdy, MD  
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Christine McMahon, MD  
University of Colorado Cancer Center

Vishnu V. Reddy, MD  
O'Neal Comprehensive Cancer Center at UAB

David Sallman, MD  
Moffitt Cancer Center

Hamid Sayar, MD, MSc  
Indiana University  
Melvin and Bren Simon Comprehensive Cancer Center

Rory M. Shallis, MD  
Yale Cancer Center/Smilow Cancer Hospital

Paul J. Shami, MD  
Huntsman Cancer Institute at the University of Utah

Jens Hillengass, MD, PhD  
Roswell Park Comprehensive Cancer Center

Leona A. Holmberg, MD, PhD  
Fred Hutchinson Cancer Center

Myo Htut, MD  
City of Hope  
National Medical Center

Carol Ann Huff, MD  
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Malin Hultcrantz, MD, PhD  
Memorial Sloan Kettering Cancer Center

Yubin Kang, MD  
Duke Cancer Institute

Sarah Larson, MD  
UCLA Jonsson  
Comprehensive Cancer Center

Hans C. Lee, MD  
The University of Texas  
MD Anderson Cancer Center

Michaela Liedtke, MD  
Stanford Cancer Institute

Thomas G. Martin, MD  
UCSF Helen Diller Family  
Comprehensive Cancer Center

James L. Omel, MD  
Education and Advocacy

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UC Davis  
Comprehensive Cancer Center

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Huntsman Cancer Institute at the University of Utah

Attaya Suvannasankha, MD  
Indiana University  
Melvin and Bren Simon  
Comprehensive Cancer Center

Jason Valent, MD  
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

Asya Nina Varshavsky-Yanovsky, MD, PhD  
Fox Chase Cancer Center
# NCCN Leadership, Committees, Groups, and Panels

## Myeloproliferative Neoplasms Panel

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution</th>
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<tbody>
<tr>
<td>Abhay Singh, MD, MPH</td>
<td>Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute</td>
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<tr>
<td>Tiffany N. Tanaka, MD</td>
<td>UC San Diego Moores Cancer Center</td>
</tr>
<tr>
<td>Swapna Thota, MD</td>
<td>St. Jude Children's Research Hospital/The University of Tennessee Health Science Center</td>
</tr>
<tr>
<td>Aaron T. Gerds, MD, MS / Chair</td>
<td>Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute</td>
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<tr>
<td>Jason Gotlib, MD, MS / Vice-Chair</td>
<td>Stanford Cancer Institute</td>
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<tr>
<td>Peter Abdelmessieh, DO, MSc</td>
<td>Fox Chase Cancer Center</td>
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<tr>
<td>Haris Ali, MD</td>
<td>City of Hope/National Medical Center</td>
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<tr>
<td>Prithviraj Bose, MD</td>
<td>The University of Texas/MD Anderson Cancer Center</td>
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<tr>
<td>Mariana Castells, MD, PhD</td>
<td>Dana-Farber/Brigham and Women's Cancer Center/Massachusetts General Hospital Cancer Center</td>
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<tr>
<td>Andrew Dunbar, MD</td>
<td>Memorial Sloan Kettering Cancer Center</td>
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<tr>
<td>Tracy L. George, MD</td>
<td>Huntsman Cancer Institute at the University of Utah</td>
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<tr>
<td>Steven Green, MD</td>
<td>Roswell Park Comprehensive Cancer Center</td>
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<tr>
<td>Krishna Gundabolu, MBBS, MS, FACP</td>
<td>Fred &amp; Pamela Buffett Cancer Center</td>
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<tr>
<td>Elizabeth Hexner, MD</td>
<td>Abramson Cancer Center at the University of Pennsylvania</td>
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<tr>
<td>Gabriela S. Hobbs, MD</td>
<td>Dana-Farber/Brigham and Women's Cancer Center/Massachusetts General Hospital Cancer Center</td>
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<tr>
<td>Tania Jain, MBBS</td>
<td>The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins</td>
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<tr>
<td>Catriona Jamieson, MD, PhD</td>
<td>UC San Diego Moores Cancer Center</td>
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<tr>
<td>Paul R. Kaesberg, MD</td>
<td>UC Davis/Comprehensive Cancer Center</td>
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<tr>
<td>Andrew T. Kuykendall, MD</td>
<td>Moffitt Cancer Center</td>
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<tr>
<td>Yazar Madanat, MD</td>
<td>UT Southwestern Simmons/Comprehensive Cancer Center</td>
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<tr>
<td>Naveen Manchanda, MD</td>
<td>Indiana University/Melvin and Bren Simon/Comprehensive Cancer Center</td>
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<tr>
<td>Brandon McMahon, MD</td>
<td>University of Colorado Cancer Center</td>
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<tr>
<td>Sanjay R. Mohan, MD, MSCI</td>
<td>Vanderbilt-Ingram Cancer Center</td>
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<tr>
<td>Kalyan V. Nadiminti, MD</td>
<td>University of Wisconsin/Carbone Cancer Center</td>
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<tr>
<td>Stephen Oh, MD, PhD</td>
<td>Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine</td>
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<tr>
<td>Animesh Pardanani, PhD, MBBS</td>
<td>Mayo Clinic/Comprehensive Cancer Center</td>
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<tr>
<td>Nikolai Podoltsev, MD, PhD</td>
<td>Yale Cancer Center/Smilow Cancer Hospital</td>
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<tr>
<td>Lindsay Rein, MD</td>
<td>Duke Cancer Institute</td>
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<tr>
<td>Jamiel Shamma, MD</td>
<td>Robert H. Lurie Comprehensive Cancer Center of Northwestern University</td>
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## Neuroblastoma Panel

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<tr>
<td>Rochelle Bagatell, MD / Chair</td>
<td>Abramson Cancer Center at the University of Pennsylvania</td>
</tr>
<tr>
<td>Julie R. Park, MD / Vice-Chair</td>
<td>St. Jude Children's Research Hospital/The University of Tennessee Health Science Center</td>
</tr>
<tr>
<td>Sahaja Acharya, MD</td>
<td>The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins</td>
</tr>
<tr>
<td>Jennifer H. Aldrink, MD</td>
<td>The Ohio State University/Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute</td>
</tr>
<tr>
<td>Jenna Allison, MD</td>
<td>Fred &amp; Pamela Buffett Cancer Center</td>
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<tr>
<td>Elizabeth Alva, MD, MSPH</td>
<td>O'Neal Comprehensive Cancer Center at UAB</td>
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<tr>
<td>Carola Arndt, MD</td>
<td>Mayo Clinic/Comprehensive Cancer Center</td>
</tr>
<tr>
<td>Melissa Bear, MD</td>
<td>Indiana University/Melvin and Bren Simon/Comprehensive Cancer Center</td>
</tr>
</tbody>
</table>
NCCN Leadership, Committees, Groups, and Panels

Daniel J. Benedetti, MD, MA  
Vanderbilt-Ingram Cancer Center

Erin Brown, MD  
UC Davis  
Comprehensive Cancer Center

Steve Y. Cho, MD  
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Carbone Cancer Center

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Douglas B. Fair, MD, MS  
Huntsman Cancer Institute at the University of Utah

Joaquim “Jack” Farinhas, MD, MBA  
Moffitt Cancer Center

Douglas Harrison, MD  
The University of Texas MD Anderson Cancer Center

Susan Kreissman, MD  
Duke Cancer Institute

Margaret Macy, MD  
University of Colorado Cancer Center

Brian S. Na, MD  
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Praveen Pendyala, MD  
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Raja Rabah, MD  
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 Rogel Cancer Center

Hiroyuki Shimada, MD  
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Clare Twist, MD  
Roswell Park Comprehensive Cancer Center

Kieuhoa Vo, MD  
UCSF Helen Diller Family Comprehensive Cancer Center

Tanya C. Watt, MD  
UT Southwestern Simmons Comprehensive Cancer Center

Suzanne L. Wolden, MD  
Memorial Sloan Kettering Cancer Center

Peter Zage, MD  
UC San Diego Moores Cancer Center

Neuroendocrine Tumors Panel

Emily Bergsland, MD / Chair  
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Christopher L. Hallemeier, MD  
Mayo Clinic Comprehensive Cancer Center

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Christopher H. Lieu, MD  
University of Colorado Cancer Center

Kimberly Miller, RN  
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NCCN Leadership, Committees, Groups, and Panels

Non-Melanoma Skin Cancer Panel

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Karthik Ghosh, MD
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Theresa Medina, MD
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Kishwer S. Nehal, MD
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Paul Nghiem, MD, PhD
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Terence Z. Wong, MD, PhD, FACP
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David B. Zhen, MD
Fred Hutchinson Cancer Center

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NCCN Leadership, Committees, Groups, and Panels

Non-Small Cell Lung Cancer/Mesothelioma/Thymomas and Thymic Carcinomas Panel

David S. Ettinger, MD, FACP, FCCP / Chair
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Malcolm DeCamp, MD
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Valencia Thomas, MD
The University of Texas MD Anderson Cancer Center

Yaohui Gloria Xu, MD, PhD
University of Wisconsin Carbone Cancer Center

Mehran Yusuf, MD
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Wallace Akerley, MD
Huntsman Cancer Institute at the University of Utah

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Rudy P. Lackner, MD
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Dara L. Aisner, MD, PhD
University of Colorado Cancer Center

Wallace Akerley, MD
Huntsman Cancer Institute at the University of Utah

Jessica R. Bauman, MD
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University of Colorado Cancer Center

Jules Lin, MD, FACS
University of Michigan Rogel Cancer Center

Jules Lin, MD, FACS
University of Michigan Rogel Cancer Center

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Jane Yanagawa, MD
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Stephen C. Yang, MD
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Edwin Yau, MD, PhD
Roswell Park Comprehensive Cancer Center

Gregory A. Otterson, MD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Sandip P. Patel, MD
UC San Diego Moores Cancer Center

Tejas Patil, MD
University of Colorado Cancer Center

Jules Lin, MD, FACS
University of Michigan Rogel Cancer Center

Tawee Tanvetyanon, MD, MPH
Moffitt Cancer Center

Jane Yanagawa, MD
UCLA Jonsson Comprehensive Cancer Center

Stephen C. Yang, MD
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Edwin Yau, MD, PhD
Roswell Park Comprehensive Cancer Center
Occult Primary Panel

David S. Ettinger, MD, FACP, FCCP / Chair
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Marvaretta M. Stevenson, MD / Vice-Chair
Duke Cancer Institute

Daniel Ahn, DO
Mayo Clinic
Comprehensive Cancer Center

Salwan Al Mutar, MD, MS
UT Southwestern Simmons Comprehensive Cancer Center

David Bajor, MD
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

Daniel W. Bowles, MD
University of Colorado Cancer Center

Sam Brondfield, MD, MA
UCSF Helen Diller Family Comprehensive Cancer Center

Julie Bykowski, MD
UC San Diego Moores Cancer Center

Scott D. Christensen, MD
UC Davis Comprehensive Cancer Center

Jeremiah Deneve, DO
St. Jude Children's Research Hospital/The University of Tennessee Health Science Center

Keith D. Eaton, MD, PhD
Fred Hutchinson Cancer Center

David Gierada, MD
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

Angela Jain, MD
Fox Chase Cancer Center

Aparna Kalyan, MD
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Zachary Kohutek, MD, PhD
Vanderbilt-Ingram Cancer Center

Christina Kong, MD
Stanford Cancer Institute

Jeremy Kortmansky, MD
Yale Cancer Center/Smilow Cancer Hospital

John Kosteva, MD
Abramson Cancer Center at the University of Pennsylvania

Richard T. Lee, MD
City of Hope National Medical Center

Renato Lenzi, MD
The University of Texas MD Anderson Cancer Center

Sam Lubner, MD
University of Wisconsin Carbone Cancer Center

Alissa Marr, MD
Fred & Pamela Buffett Cancer Center

Sarbajit Mukherjee, MD, MS
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Mateusz Opuchal, MD, PhD
Indiana University Melvin and Bren Simon Comprehensive Cancer Center

Darryl Outlaw, MD
O'Neal Comprehensive Cancer Center at UAB

Anuj Patel, MD
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Bradford A. Perez, MD
Moffitt Cancer Center

John Phay, MD
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Asif Rashid, MD
The University of Texas MD Anderson Cancer Center

Kerry Reynolds, MD
Dana-Farber/Brigham and Women's Cancer Center/Massachusetts General Hospital Cancer Center

Lee Rosen, MD
UCLA Jonsson Comprehensive Cancer Center

Leonard B. Saltz, MD
Memorial Sloan Kettering Cancer Center

Jeffrey B. Smerage, MD, PhD
University of Michigan Rogel Cancer Center

Ovarian Cancer Panel

Deborah K. Armstrong, MD / Chair
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Ronald D. Alvarez, MD, MBA / Vice-Chair
Vanderbilt-Ingram Cancer Center

Floortje J. Backes, MD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Lisa M. Barroilhet, MD
University of Wisconsin Carbone Cancer Center

Kian Behbakht, MD
University of Colorado Cancer Center

Andrew Berchuck, MD
Duke Cancer Institute

Lee-May Chen, MD
UCSF Helen Diller Family Comprehensive Cancer Center

Marie T. DeRosa, RN
Retired

Eric L. Eisenhauer, MD
Dana-Farber/Brigham and Women's Cancer Center/James Cancer Hospital and Solove Research Institute

David M. Gershenson, MD
The University of Texas MD Anderson Cancer Center

Heidi J. Gray, MD
Fred Hutchinson Cancer Center

Rachel N. Grisham, MD
Memorial Sloan Kettering Cancer Center
NCCN Leadership, Committees, Groups, and Panels

Ardeshir Hakam, MD
Moffitt Cancer Center

Angela Jain, MD
Fox Chase Cancer Center

Amer Karam, MD
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Gottfried E. Konecny, MD
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Charles A. Leath III, MD, MSPH
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Gary Leiserowitz, MD
UC Davis Comprehensive Cancer Center

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Lainie Martin, MD
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Daniela Matei, MD
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Elena Ratner, MD
Yale Cancer Center/Smilow Cancer Hospital

Sharon E. Robertson, MD, MPH
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Kerry Rodabaugh, MD
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John O. Schorge, MD
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Daphne B. Stewart, MD, MS
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Prem Thaker, MD
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Shitanshu Uppal, MD, MBBS, FACOG
University of Michigan Rogel Cancer Center

Roberto Vargas, MD
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

Andrea Wahner Hendrickson, MD
Mayo Clinic Comprehensive Cancer Center

Theresa L. Werner, MD
Huntsman Cancer Institute at the University of Utah

Emese Zsiros, MD, PhD
Roswell Park Comprehensive Cancer Center

Pancreatic Adenocarcinoma Panel

Margaret A. Tempero, MD / Chair
UCSF Helen Diller Family Comprehensive Cancer Center

Mokenge P. Malafa, MD, FACS / Vice-Chair
Moffitt Cancer Center

Al B. Benson III, MD, FACP, FASCO
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Dana B. Cardin, MD
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Elena G. Chiorean, MD
Fred Hutchinson Cancer Center

Jared A. Christensen, MD
University of Michigan Rogel Cancer Center

Vincent Chung, MD
City of Hope National Medical Center

Brian Czito, MD
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Marco Del Chiaro, MD, PhD
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Timothy R. Donahue, MD
UCLA Jonsson Comprehensive Cancer Center

Efrat Dotan, MD
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Cristina R. Ferrone, MD
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Christos Fountzilas, MD
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Evan S. Glazer, MD, PhD, FACS
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Jeffrey Hardacre, MD
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William G. Hawkins, MD
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Kelsey A. Klute, MD
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Andrew H. Ko, MD
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John W. Kunstman, MD, MHS
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Noelle K. LoConte, MD
University of Wisconsin Carbone Cancer Center

Andrew M. Lowy, MD
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Ashiq Masood, MD  
Indiana University  
Melvin and Bren Simon Comprehensive Cancer Center

Cassadie Moravek, BS  
Pancratic Cancer Action Network

Eric K. Nakakura, MD  
UCSF Helen Diller Family  
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Amol K. Narang, MD  
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Lorenzo Nardo, MD, PhD  
UC Davis  
Comprehensive Cancer Center

Jorge Obando, MD  
Duke Cancer Institute

Patricio M. Polanco, MD  
UT Southwestern Simmons  
Comprehensive Cancer Center

Sushanth Reddy, MD  
O'Neal Comprehensive Cancer Center at UAB

Marsha Reyngold, MD, PhD  
Memorial Sloan Kettering Cancer Center

Courtney Scaife, MD  
Huntsman Cancer Institute at the University of Utah

Jeanne Shen, MD  
Stanford Cancer Institute

Mark J. Truty, MD, MS  
Mayo Clinic  
Comprehensive Cancer Center

Charles Vollmer, Jr., MD  
Abramson Cancer Center at the University of Pennsylvania

Robert A. Wolff, MD  
The University of Texas MD Anderson Cancer Center

Brian M. Wolpin, MD, MPH  
Dana-Farber/Brigham and Women's Cancer Center | Massachusetts General Hospital Cancer Center

Pediatric Acute Lymphoblastic Leukemia Panel

Hiroto Inaba, MD, PhD / Chair  
St. Jude Children's Research Hospital/ The University of Tennessee Health Science Center

David T. Teachey, MD / Vice-Chair  
Abramson Cancer Center at the University of Pennsylvania

Colleen Annesley, MD  
Fred Hutchinson Cancer Center

Sandeep Batra  
Indiana University  
Melvin and Bren Simon Comprehensive Cancer Center

Jill Beck, MD  
Fred & Pamela Buffett Cancer Center

Jong H. Chung, MD  
UC Davis  
Comprehensive Cancer Center

Susan L. Colace, MD, MSCI  
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Stacy Cooper, MD  
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Kevin J. Curran, MD  
Memorial Sloan Kettering Cancer Center

Mari H. Dallas, MD  
Case Comprehensive Cancer Center/ University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

Satiro N. De Oliveira, MD  
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Kara Kelly, MD  
Roswell Park Comprehensive Cancer Center

Carrie L. Kitko, MD  
Vanderbilt-Ingram Cancer Center

Mira Kohorst, MD  
Mayo Clinic  
Comprehensive Cancer Center

Norman J. Lacayo, MD  
Stanford Cancer Institute

Cathy Lee-Miller, MD  
University of Wisconsin Carbone Cancer Center

Kathleen Ludwig, MD  
UT Southwestern Simmons Comprehensive Cancer Center

Luke D. Maese, DO  
Huntsman Cancer Institute at the University of Utah

Valentina Nardi, MD  
Dana-Farber/Brigham and Women's Cancer Center | Massachusetts General Hospital Cancer Center

Jenna Rossoff, MD  
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Laura Schuettpelz, MD, PhD  
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Bijal Shah, MD  
Moffitt Cancer Center

Shilpa Shahani, MD  
City of Hope National Medical Center

Lewis B. Silverman, MD  
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Jessica Sun, MD  
Duke Cancer Institute

Aman Wadhwa, MD, MSPH  
O'Neal Comprehensive Cancer Center at UAB

Victor Wong, MD  
UC San Diego Moores Cancer Center
NCCN Leadership, Committees, Groups, and Panels

**Pediatric Aggressive Mature B-Cell Lymphomas Panel**

Matthew J. Barth, MD / Chair  
Roswell Park Comprehensive Cancer Center

Ana C. Xavier, MD / Vice-Chair  
O'Neal Comprehensive Cancer Center at UAB

Saro Armenian, DO, MPH  
City of Hope  
National Medical Center

Anthony N. Audino, MD  
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Lindsay Blazin, MD, MPH  
Indiana University  
Melvin and Bren Simon Comprehensive Cancer Center

David Bloom, MD  
University of Michigan  
Rogel Cancer Center

Jong H. Chung, MD  
UC Davis  
Comprehensive Cancer Center

Kimberly J. Davies, MD  
Dana-Farber/Brigham and Women's Cancer Center | Massachusetts General Hospital Cancer Center

Jeanne Dillenbeck, MD  
UT Southwestern Simmons Comprehensive Cancer Center

Hilda Ding, MD  
UC San Diego Moores Cancer Center

James B. Ford, DO  
Fred & Pamela Buffett Cancer Center

Amy Fowler Tellinghuisen, MD  
Fred Hutchinson Cancer Center

Paul J. Galardy, MD  
Mayo Clinic  
Comprehensive Cancer Center

Rabi Hanna, MD  
Case Comprehensive Cancer Center / University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

Robert Hayashi, MD  
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

Cathy Lee-Miller, MD  
University of Wisconsin Carbone Cancer Center

Kelly W. Maloney, MD  
University of Colorado Cancer Center

Lianna Marks, MD  
Stanford Cancer Institute

Paul Martin, MD, PhD  
Duke Cancer Institute

David McCall, MD  
The University of Texas MD Anderson Cancer Center

Kellee Parker, DO  
Huntsman Cancer Institute at the University of Utah

Anne F. Reilly, MD, MPH  
Abramson Cancer Center at the University of Pennsylvania

Mikhail Roshal, MD, PhD  
Memorial Sloan Kettering Cancer Center

Sophie Song, MD, PhD  
UCLA Jonsson Comprehensive Cancer Center

Joanna L. Weinstein, MD  
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Sara Zarnegar-Lumley, MD, MS  
Vanderbilt-Ingram Cancer Center

**Pediatric Central Nervous System Cancers Panel**

Amar Gajjar, MD / Chair  
St. Jude Children's Research Hospital / The University of Tennessee Health Science Center

Anita Mahajan, MD / Vice-Chair  
Mayo Clinic Comprehensive Cancer Center

Mohamed Abdelbaki, MD  
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

Clarke P. Anderson, MD  
City of Hope National Medical Center

Reuben Antony, MD, MBBCh, MRCP  
UC Davis Comprehensive Cancer Center

Tejus Bale, MD, PhD  
Memorial Sloan Kettering Cancer Center

Ranjit Bindra, MD, PhD  
Yale Cancer Center / Smilow Cancer Hospital

Daniel C. Bowers, MD  
UT Southwestern Simmons Comprehensive Cancer Center

Susan N. Chi, MD  
Dana-Farber/Brigham and Women's Cancer Center | Massachusetts General Hospital Cancer Center

Kenneth Cohen, MD, MBA  
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Bonnie Cole, MD  
Fred Hutchinson Cancer Center

Scott L. Coven, DO, MPH  
Indiana University  
Melvin and Bren Simon Comprehensive Cancer Center

Kathleen Dorris, MD  
University of Colorado Cancer Center

Jennifer D. Elster, MD  
UC San Diego Moores Cancer Center
NCCN Leadership, Committees, Groups, and Panels

Ralph Ermoian, MD  
Fred Hutchinson Cancer Center

Andrea T. Franson, MD, MS  
University of Michigan  
Rogel Cancer Center

Jeffrey J. Helgager, MD, PhD  
University of Wisconsin  
Carbone Cancer Center

Daniel Landi, MD  
Duke Cancer Institute

Yi Li, MD  
UCSF Helen Diller Family Comprehensive Cancer Center

Chi Lin, MD, PhD  
Fred & Pamela Buffett Cancer Center

Laura K. Metrock, MD  
O’Neal Comprehensive Cancer Center at UAB

Ronica Nanda  
Moffitt Cancer Center

Joshua D. Palmer, MD  
The Ohio State University  
Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Sonja Partap, MD  
Stanford Cancer Institute

Ashley Plant, MD  
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Sumit Pruthi, MD  
Vanderbilt-Ingram Cancer Center

Renee M. Reynolds, MD  
Roswell Park Comprehensive Cancer Center

Duncan Stearns, MD  
Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

Phillip B. Storm, MD  
Abramson Cancer Center at the University of Pennsylvania

Anthony C. Wang, MD  
UCLA Jonsson Comprehensive Cancer Center

Nicholas Whipple, MD, MPH  
Huntsman Cancer Institute at the University of Utah

Wafik Zaky, MBCh  
The University of Texas  
MD Anderson Cancer Center

Bradford S. Hoppe, MD, MPH  
Mayo Clinic  
Comprehensive Cancer Center

Leidy Isenalumhe, MD, MS  
Moffitt Cancer Center

Kara Kelly, MD  
Roswell Park Comprehensive Cancer Center

Leslie Kersun, MD, MSCE, MScEd  
Abramson Cancer Center at the University of Pennsylvania

Adam Lamble, MD  
Fred Hutchinson Cancer Center

Nicole Larrier, MD, MSc  
Duke Cancer Institute

Sandra Luna-Fineman, MD  
University of Colorado Cancer Center

Jeffrey Magee, MD, PhD  
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Kwadwo A. Oduru, MD, PhD  
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Arun Ranjan Panigrahi, MD  
UC Davis  
Comprehensive Cancer Center

Anita P. Price, MD  
Memorial Sloan Kettering Cancer Center

Kenneth Roberts, MD  
Yale Cancer Center/Smilow Cancer Hospital

Christine M. Smith, MD  
Vanderbilt-Ingram Cancer Center

Aliyah R. Sohani, MD  
Dana-Farber/Brigham and Women's Cancer Center | Massachusetts General Hospital Cancer Center

Emily Walling, MD, MPH  
University of Michigan  
Rogel Cancer Center

Jane N. Winter, MD  
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Pediatric Hodgkin Lymphoma Panel

Jamie Flerlage, MD, MS / Chair  
St. Jude Children's Research Hospital/ 
The University of Tennessee Health Science Center

Susan M. Hiniker, MD / Vice-Chair  
Stanford Cancer Institute

Saro Armenian, DO, MPH  
City of Hope National Medical Center

Jennifer Belsky, DO, MS  
Indiana University

Melvin and Bren Simon Comprehensive Cancer Center

Adam J. Bobbey, MD  
The Ohio State University  
Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Vivian Chang, MD  
UCLA Jonsson Comprehensive Cancer Center

Stacy Cooper, MD  
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Don W. Coulter, MD  
Fred & Pamela Buffett Cancer Center

Branko Cuglievan, MD  
The University of Texas  
MD Anderson Cancer Center

Kenneth DeSantes, MD  
University of Wisconsin Carbone Cancer Center

Anusha Preethi Ganesan, MD, PhD  
UC San Diego Moores Cancer Center

Chelsee D. Greer, DO  
UT Southwestern Simmons Comprehensive Cancer Center

Mallorie B. Heneghan, MD, MS  
Huntsman Cancer Institute at the University of Utah
NCCN Leadership, Committees, Groups, and Panels

Prostate Cancer Panel

**Edward Schaeffer, MD, PhD / Chair**
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

**Sandy Srinivas, MD / Vice-Chair**
Stanford Cancer Institute

Nabil Adra, MD, MSc
Indiana University
Melvin and Bren Simon Comprehensive Cancer Center

Yi An, MD
Yale Cancer Center/
Smilow Cancer Hospital

Daniel A. Barocas, MD, MPH
Vanderbilt-Ingram Cancer Center

Rhonda L. Bitting, MD
Duke Cancer Institute

Alan H. Bryce, MD
Mayo Clinic
Comprehensive Cancer Center

Brian Chapin, MD
The University of Texas
MD Anderson Cancer Center

Heather H. Cheng, MD, PhD
Fred Hutchinson Cancer Center

Anthony V. D'Amico, PhD
Dana-Farber/Brigham and
Women's Cancer Center /
Massachusetts General Hospital
Cancer Center

Neil Desai, MD, MHS
UT Southwestern Simmons
Comprehensive Cancer Center

Tanya Dorff, MD
City of Hope
National Medical Center

James A. Eastham, MD
Memorial Sloan Kettering
Cancer Center

Thomas A. Farrington, BSEE
Prostate Health Education Network, Inc.

Xin Gao, MD
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Women's Cancer Center /
Massachusetts General Hospital
Cancer Center

Shilpa Gupta, MD
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Thomas J. Guzzo, MD, MPH
Abramson Cancer Center at the University of Pennsylvania

Joseph E. Ippolito, MD, PhD
Siteman Cancer Center at Barnes-
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Michael R. Kuettel, MD, PhD, MBA
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Joshua M. Lang, MD, MS
University of Wisconsin
Carbone Cancer Center

Tamara Lotan, MD
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Rana R. McKay, MD
UC San Diego Moores Cancer Center

Todd M. Morgan, MD
University of Michigan
Rogel Cancer Center

George J. Netto, MD
O'Neal Comprehensive Cancer Center at UAB

Julio M. Pow-Sang, MD
Moffitt Cancer Center

Robert Reiter, MD, MBA
UCLA Jonsson
Comprehensive Cancer Center

Mack Roach III, MD
UCSF Helen Diller Family
Comprehensive Cancer Center

Tyler P. Robin, MD, PhD
University of Colorado Cancer Center

Stan Rosenfeld
Retired

Ahmad Shabsigh, MD
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Comprehensive Cancer Center -
James Cancer Hospital and
Solove Research Institute

Daniel E. Spratt, MD
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University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

Benjamin A. Teply, MD
Fred & Pamela Buffett Cancer Center

Jonathan Tward, MD, PhD
Huntsman Cancer Institute at the University of Utah

Richard K. Valicenti, MD
UC Davis
Comprehensive Cancer Center

Jessica Karen Wong, MD
Fox Chase Cancer Center

Small Cell Lung Cancer Panel

**Apar Kishor P. Ganti, MD / Chair**
Fred & Pamela Buffett Cancer Center

**Billy W. Loo, MD, PhD / Vice-Chair**
Stanford Cancer Institute

Michael Bassetti, MD
University of Wisconsin
Carbone Cancer Center

Anne Chiang, MD, PhD
Yale Cancer Center/
Smilow Cancer Hospital

Christopher A. D'Avella, MD
Abramson Cancer Center at the University of Pennsylvania

Afshin Dowlati, MD
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Robert J. Downey, MD
Memorial Sloan Kettering Cancer Center

Martin J. Edelman, MD
Fox Chase Cancer Center

Charles Florsheim, JD
Patient Advocate
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Wade T. Iams, MD
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Puneeth Iyengar, MD, PhD
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Maya Khalil, MD
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Saraswati Pokharel, MD
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Sonam Puri, MD
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Angel Qin, MD
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Chad Rusthoven, MD
University of Colorado Cancer Center

Jacob Sands, MD
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Rafael Santana-Davila, MD
Fred Hutchinson Cancer Center

Michael Shafique, MD
Moffitt Cancer Center

Misty D. Shields, MD, PhD
Indiana University Melvin and Bren Simon Comprehensive Cancer Center

Saiama N. Waqar, MD
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

Soft Tissue Sarcoma Panel

Margaret Von Mehren, MD / Chair
Fox Chase Cancer Center

John M. Kane III, MD / Vice-Chair
Roswell Park Comprehensive Cancer Center

Samantha A. Armstrong, MD
Indiana University Melvin and Bren Simon Comprehensive Cancer Center

Andrew J. Bishop, MD
The University of Texas MD Anderson Cancer Center

Marilyn M. Bui, MD, PhD
Moffitt Cancer Center

Janai Carr-Ascher, MD, PhD
UC Davis Comprehensive Cancer Center

Edwin Choy, MD, PhD
Dana-Farber/Brigham and Women's Cancer Center | Massachusetts General Hospital Cancer Center

Mary Connolly, LSW
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Sarah Dry, MD
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Rafael Santana-Davila, MD
Fred Hutchinson Cancer Center

Vicki Keedy, MD, MSCI
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Ciara M. Kelly, MD, MBBCh, BAO
Memorial Sloan Kettering Cancer Center

Edward Kim, MD
Fred Hutchinson Cancer Center

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Martin McCarter, MD
University of Colorado Cancer Center

Sean V. McGarry, MD
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Nathan W. Mesko, MD
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Christian Meyer, MD, PhD
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Alberto S. Pappo, MD
St. Jude Children's Research Hospital/ The University of Tennessee Health Science Center

Ivy A. Petersen, MD
Mayo Clinic Comprehensive Cancer Center
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Huntsman Cancer Institute at the University of Utah

Richard F. Riedel, MD  
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Scott Schuetze, MD, PhD  
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Jacob E. Shabason, MD, MTR  
Abramson Cancer Center at the University of Pennsylvania

Jason K. Slicklick, MD  
UC San Diego Moores Cancer Center

Lindsay Stratchko, DO  
University of Wisconsin  
Carbone Cancer Center

William Tseng, MD  
City of Hope  
National Medical Center

Brian A. Van Tine, MD, PhD  
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

Melissa Zimel, MD  
UCSF Helen Diller Family Comprehensive Cancer Center

T-Cell/Primary Cutaneous Lymphomas Panel

Steven Horwitz, MD / Chair  
Memorial Sloan Kettering Cancer Center

Stephen Ansell, MD, PhD / Vice-Chair  
Mayo Clinic  
Comprehensive Cancer Center

Weiyun Z. Ai, MD, PhD  
UCSF Helen Diller Family Comprehensive Cancer Center

Jeffrey Barnes, MD, PhD  
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Stefan K. Barta, MD, MRCP, MS  
Abramson Cancer Center at the University of Pennsylvania

Jonathan E. Brammer, MD  
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Mark W. Clemens, MD  
The University of Texas MD Anderson Cancer Center

Utpal P. Davé, MD  
Indiana University  
Melvin and Bren Simon Comprehensive Cancer Center

Ahmet Dogan, MD, PhD  
Memorial Sloan Kettering Cancer Center

Francine M. Foss, MD  
Yale Cancer Center / Smilow Cancer Hospital

Aaron M. Goodman, MD  
UC San Diego Moores Cancer Center

Joan Guitart, MD  
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Ahmad Halwani, MD  
Huntsman Cancer Institute at the University of Utah

Bradley M. Haverkos, MD, MPH, MS  
University of Colorado Cancer Center

Francisco J. Hernandez-Ilizaliturri, MD  
Roswell Park Comprehensive Cancer Center

Richard T. Hoppe, MD  
Stanford Cancer Institute

Eric Jacobsen, MD  
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Sima Rozati, MD, PhD  
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Jonathan Said, MD  
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Aaron C. Shaver, MD, PhD  
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Lauren K. Shea, MD  
O’Neal Comprehensive Cancer Center at UAB

Michi M. Shinohara, MD  
Fred Hutchinson Cancer Center

Lubomir Sokol, MD, PhD  
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Carlos Torres-Cabala, MD  
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Ryan A. Wilcox, MD, PhD  
University of Michigan Rogel Cancer Center

Peggy A. Wu, MD, MPH  
UC Davis Comprehensive Cancer Center

Jasmine Zain, MD  
City of Hope  
National Medical Center
Testicular Cancer Panel

**Timothy D. Gilligan, MD, MS / Chair**
*Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute*

**Daniel W. Lin, MD / Vice-Chair**
*Fred Hutchinson Cancer Center*

**Rahul Aggarwal, MD**
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**Aditya Bagrodia, MD**
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**Nancy B. Davis, MD**
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**Lawrence H. Einhorn, MD**
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**Hamid Emamekhou, MD**
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*Memorial Sloan Kettering Cancer Center*

**Daniel M. Geynisman, MD**
*Fox Chase Cancer Center*

**Steven L. Hancock, MD**
*Stanford Cancer Institute*

**Peter Humphrey, MD, PhD**
*Yale Cancer Center/Smilow Cancer Hospital*

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**Thomas Longo, MD**
*Duke Cancer Institute*

Benjamin Maughan, MD, PharmD
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*City of Hope National Medical Center*
NCCN Leadership, Committees, Groups, and Panels

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UCLA Jonsson Comprehensive Cancer Center

Wilms Tumor Panel

Frank M. Balis, MD / Chair
Abramson Cancer Center at the University of Pennsylvania

Daniel Green, MD / Vice-Chair
St. Jude Children’s Research Hospital / The University of Tennessee Health Science Center

Clarke P. Anderson, MD
City of Hope National Medical Center

Amy E. Armstrong, MD
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O’Neal Comprehensive Cancer Center at UAB

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Michael Walsh, MD
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*Robert H. Lurie Comprehensive Cancer Center of Northwestern University*

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*UT Southwestern Simmons Comprehensive Cancer Center*

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NCCN Guidelines for Detection, Prevention, & Risk Reduction Panels

Breast Cancer Risk Reduction Panel

**Therese B. Bevers, MD / Chair**
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**Sayeh Lavasani, MD, MSc, FRCPC / Vice-Chair**
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Gretchen M. Ahrendt, MD
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Breast Cancer Screening and Diagnosis Panel

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Colorectal Cancer Screening Panel

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Dayna S. Early, MD
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Kathryn Glaser, PhD, MA
Huntsman Cancer Institute at the University of Utah

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Mayo Clinic Comprehensive Cancer Center

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Fox Chase Cancer Center

Lyen C. Huang, MD, MPH, FACS, FASCRS
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Rachel Issaka, MD, MAS
Fred Hutchinson Cancer Center
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Independent Patient Advocate

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Peter Vu, MD
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Seema Khan, MD
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Catherine Klein, MD
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Wendy Kohlmann, MS, CGC
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Kevin McDonnell, MD, PhD
City of Hope National Medical Center

Carolyn Menendez, MD
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Sofia D. Merajver, MD, PhD
University of Michigan Rogel Cancer Center

Genetic/Familial High-Risk Assessment: Breast, Ovarian, and Pancreatic Panel

Mary B. Daly, MD, PhD, FACP / Chair
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Susan Friedman, DVM
FORCE: Facing Our Risk of Cancer Empowered

Veda Giri, MD
Yale Cancer Center/ Smilow Cancer Hospital

Michael Goggins, MD
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins
### NCCN Leadership, Committees, Groups, and Panels

<table>
<thead>
<tr>
<th>Barbara Norquist, MD</th>
<th>Fred Hutchinson Cancer Center</th>
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<tr>
<td>Kenneth Offit, MD</td>
<td>Memorial Sloan Kettering Cancer Center</td>
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<tr>
<td>Gwen Reiser, MS, CGC</td>
<td>Fred &amp; Pamela Buffett Cancer Center</td>
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<tr>
<td>Leigha Senter-Jamieson, MS, CGC</td>
<td>The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute</td>
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<td>Kristen M. Shannon, MS, CGC</td>
<td>Dana-Farber/Brigham and Women's Cancer Center</td>
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<tr>
<td>Rebecca Shatsky, MD</td>
<td>UC San Diego Moores Cancer Center</td>
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<tr>
<td>Kala Visvanathan, MD, MHS</td>
<td>The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins</td>
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<tr>
<td>Jeanna Welborn, MD</td>
<td>UC Davis Comprehensive Cancer Center</td>
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<td>Myra J. Wick, MD, PhD</td>
<td>Mayo Clinic Comprehensive Cancer Center</td>
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<tr>
<td>Matthew B. Yurgelun, MD</td>
<td>Dana-Farber/Brigham and Women's Cancer Center</td>
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</table>

### Genetic/Familial High-Risk Assessment: Colorectal Panel

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<thead>
<tr>
<th>Samir Gupta, MD / Chair</th>
<th>UC San Diego Moores Cancer Center</th>
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</thead>
<tbody>
<tr>
<td>Jennifer M. Weiss, MD, MS / Vice-Chair</td>
<td>University of Wisconsin Carbone Cancer Center</td>
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<td>Lisen Axell, MS</td>
<td>University of Colorado Cancer Center</td>
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<tr>
<td>Carol A. Burke, MD</td>
<td>Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute</td>
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<td>Lee-May Chen, MD</td>
<td>UCSF Helen Diller Family Comprehensive Cancer Center</td>
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<td>Daniel C. Chung, MD</td>
<td>Dana-Farber/Brigham and Women's Cancer Center</td>
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<tr>
<td>Katherine M. Clayback, MS, CGC</td>
<td>Roswell Park Comprehensive Cancer Center</td>
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<tr>
<td>Susan A. Dallas</td>
<td>Seth Felder, MD Moffitt Cancer Center</td>
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<tr>
<td>Francis M. Giardiello, MD, MBA</td>
<td>The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins</td>
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<tr>
<td>William M. Grady, MD</td>
<td>Fred Hutchinson Cancer Center</td>
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<tr>
<td>Michael J. Hall, MD, MS</td>
<td>Fox Chase Cancer Center</td>
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<tr>
<td>Heather Hampel, MS, LGC</td>
<td>City of Hope National Medical Center</td>
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<tr>
<td>Rachel Hodan, MS, CGC</td>
<td>Stanford Cancer Institute</td>
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<tr>
<td>Gregory E. Idos, MD, MS</td>
<td>City of Hope National Medical Center</td>
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<tr>
<td>Nawal Kassem, MD, MS</td>
<td>Indiana University Melvin and Bren Simon Comprehensive Cancer Center</td>
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<tr>
<td>Bryson Katona, MD, PhD</td>
<td>Abramson Cancer Center at the University of Pennsylvania</td>
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<tr>
<td>Laura W. Lamps, MD</td>
<td>University of Michigan Rogel Cancer Center</td>
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<td>Xavier Llor, MD, PhD</td>
<td>Yale Cancer Center/Smilow Cancer Hospital</td>
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<tr>
<td>Arnold Markowitz, MD</td>
<td>Memorial Sloan Kettering Cancer Center</td>
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<tr>
<td>Mariana S. Niell-Swiller, MS</td>
<td>UCLA Jonsson Comprehensive Cancer Center</td>
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<tr>
<td>Darryl Outlaw, MD</td>
<td>O'Neal Comprehensive Cancer Center at UAB</td>
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<tr>
<td>Sara Pirzadeh-Miller, MS</td>
<td>UT Southwestern Simmons Comprehensive Cancer Center</td>
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<tr>
<td>Jewel Samadder, MD</td>
<td>Mayo Clinic Comprehensive Cancer Center</td>
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<tr>
<td>Benjamin J. Swanson, MD, PhD</td>
<td>Fred &amp; Pamela Buffett Cancer Center</td>
</tr>
<tr>
<td>Brittany M. Szymaniak, PhD, CGC</td>
<td>Robert H. Lurie Comprehensive Cancer Center of Northwestern University</td>
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<tr>
<td>Andrew Wolf, MD</td>
<td>Duke Cancer Institute</td>
</tr>
<tr>
<td>Matthew B. Yurgelun, MD</td>
<td>Dana-Farber/Brigham and Women's Cancer Center</td>
</tr>
</tbody>
</table>
Lung Cancer Screening Panel

Douglas E. Wood, MD, FACS, FRCS(Ed) / Chair
Fred Hutchinson Cancer Center

Ella A. Kazerooni, MD, MS / Vice-Chair
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Lifang Hou, PhD
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Rohit Kumar, MD
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Rudy P. Lackner, MD
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Jamie L. Studts, PhD
University of Colorado Cancer Center

Lynn Tanoue, MD
Yale Cancer Center/Smilow Cancer Hospital

Amber L. Thacker, MD
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Betty C. Tong, MD, MHS
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William D. Travis, MD
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Benjamin Wei, MD
O’Neal Comprehensive Cancer Center at UAB

Kenneth Westover, MD, PhD
UT Southwestern Simmons Comprehensive Cancer Center

Stephen C. Yang, MD
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Prostate Cancer Early Detection Panel

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Preston C. Sprenkle, MD / Vice-Chair
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Clinton D. Bahler, MD, MS
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NCCN Guidelines for Supportive Care Panels

**Adult Cancer Pain Panel**

**Robert A. Swarm, MD / Chair**  
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

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University of Colorado Cancer Center

**Julia L. Agne, MD**  
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**David Copenhaver, MD, MPH**  
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Duke Cancer Institute

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Enas Kandil, MD, MSc
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Peter Phung, MD, MBA
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Lauren M. Poe, DO
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Elizabeth Prsic, MD, BA
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Michael W. Rabow, MD
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Mark G. Kris, MD
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Dean Lim, MD
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Stacy Prelewicz, PharmD
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Grazyna Riebandt, PharmD, BCOP
Roswell Park Comprehensive Cancer Center

Jane E. Rogers, PharmD, BCOP
The University of Texas MD Anderson Cancer Center

Antiemesis Panel

David S. Ettinger, MD, FACP, FCCP / Chair
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Michael J. Berger, PharmD, BCOP / Vice-Chair
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Rajiv Agarwal, MD
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Sally Barbour, PharmD, BCOP, CPP, FHOPA
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Brandon McMahon, MD
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Mona Ranade, MD
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Jordan K. Schaefer, MD
University of Michigan Rogel Cancer Center

Eliot Williams, MD
University of Wisconsin Carbone Cancer Center

Theodore Wun, MD
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Cancer-Related Fatigue Panel

Catherine Jankowski, PhD / Chair
University of Colorado Cancer Center

Kristen M. Carpenter, PhD / Vice-Chair
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Olivia Aranha, MD, PhD
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Tarah Ballinger, MD
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Chandana Banerjee, MD
City of Hope National Medical Center
Ann M. Berger, PhD, APRN, FAAN
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William S. Breitbart, MD
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Young Chang, MD
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Aminah Jatoi, MD
Mayo Clinic Comprehensive Cancer Center

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Michelle Walter, DO
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Eric Zhou, PhD
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Distress Management Panel

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University of Michigan Rogel Cancer Center

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Kauser Ahmed, PhD
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Barbara L. Andersen, PhD
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Benjamin W. Brewer, PsyD
University of Colorado Cancer Center

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Consultant

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HealthCare Chaplaincy

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Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Asya Nina Varshavsky-Yanovsky, MD, PhD
Fox Chase Cancer Center

Madhuri Vusirikala, MD
UT Southwestern Simmons Comprehensive Cancer Center

Hematopoietic Cell Transplantation Panel

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Javier Bolaños-Meade, MD
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George Chen, MD
Roswell Park Comprehensive Cancer Center

Daniel R. Couriel, MD
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Mark A. Schroeder, MD
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NCCN Leadership, Committees, Groups, and Panels

Hematopoietic Growth Factors Panel

Elizabeth A. Griffiths, MD / Chair
Roswell Park Comprehensive Cancer Center

Vivek Roy, MD / Vice-Chair
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Laura M. Alwan, PharmD, BCOP
Fred Hutchinson Cancer Center

Kimo Bachiashvili, MD
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John H. Baird, MD
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Rita Cool, PharmD
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Shira Dinner, MD
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Mark B. Geyer, MD
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John Glaspy, MD
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Kelly Westbrook, MD
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Peter Westervelt, MD, PhD
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

Management of Immunotherapy-Related Toxicity Panel

John A. Thompson, MD / Chair
Fred Hutchinson Cancer Center

Julie Brahmer, MD, MSc / Vice-Chair
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Bryan J. Schneider, MD / Vice-Chair
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Shailender Bhatia, MD
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Mabel Ryder, MD
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Scott Shofer, MD, PhD
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Yinghong Wang, MD, PhD
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Vlad Zaha, MD, PhD
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Palliative Care Panel

Maria Dans, MD / Chair
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Anne M. Walling, MD, PhD, FAAHPM / Vice-Chair
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Rajiv Agarwal, MD
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Susan K. Seo, MD
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Randy Taplitz, MD
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Jeffrey E. Topal, MD
Yale Cancer Center/Smilow Cancer Hospital

John W. Wilson, MD
Mayo Clinic Comprehensive Cancer Center

Andrea Zimmer, MD
Fred & Pamela Buffett Cancer Center

Prevention and Treatment of Cancer-Related Infections Panel

Lindsey Robert Baden, MD / Chair
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Sankar Swaminathan, MD / Vice-Chair
Huntsman Cancer Institute at the University of Utah

Nikolaos Almyroudis, MD
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Nicolas Barros, MD
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Jeffrey E. Topal, MD
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Andrea Zimmer, MD
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Smoking Cessation Panel

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Roswell Park Comprehensive Cancer Center

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O'Neal Comprehensive Cancer Center at UAB

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Case Comprehensive Cancer Center/University Hospitals Seidman Cancer Center and Cleveland Clinic Taussig Cancer Institute

David Warner, MD
Mayo Clinic Comprehensive Cancer Center

C. Will Whitlock, MSN, NP, RN, CTTS
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Survivorship Panel

Tara Sanft, MD / Chair
Yale Cancer Center/
Yale Cancer Hospital

Andrew T. Day, MD, MPH / Vice-Chair
UT Southwestern Simmons Comprehensive Cancer Center

Shannon M. Ansbaugh, BA
Retired

Saro Armenian, DO, MPH
City of Hope
National Medical Center

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Fred Hutchinson Cancer Center

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Indiana University
Melvin and Bren Simon Comprehensive Cancer Center

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Kristin Dickinson, PhD, RN
Fred & Pamela Buffett Cancer Center

Nathan Fairman, MD, MPH
UC Davis Comprehensive Cancer Center

Josephine Feliciano, MD
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Debra L. Friedman, MD, MS
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Mindy E. Goldman, MD
UCSF Helen Diller Family Comprehensive Cancer Center

Norah (Lynn) L. Henry, MD, PhD
University of Michigan Rogel Cancer Center

Christine E. Hill-Kayser, MD
Abramson Cancer Center at the University of Pennsylvania

Melissa M. Hudson, MD
St. Jude Children's Research Hospital/
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Divya Koura, MD
UC San Diego Moores Cancer Center

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Michelle E. Melisko, MD
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Kathi Mooney, PhD, RN, FAAN
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Natalie Moryl, MD
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Andrea Porpiglia, MD, MSc, FACS  
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*The University of Texas MD Anderson Cancer Center*

Lidia Schapira, MD  
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Sophia K. Smith, PhD, MSW  
*Duke Cancer Institute*

Amye J. Tevaarwerk, MD  
*Mayo Clinic Comprehensive Cancer Center*

Eric H. Yang, MD  
*UCLA Jonsson Comprehensive Cancer Center*

Phyllis C. Zee, MD, PhD  
*Robert H. Lurie Comprehensive Cancer Center of Northwestern University*

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**NCCN Guidelines for Specific Populations Panels**

**Adolescent and Young Adult Oncology Panel**

*Smita Bhatia, MD, MPH / Chair*  
*O’Neal Comprehensive Cancer Center at UAB*

**Alberto S. Pappo, MD / Vice-Chair**  
*St. Jude Children's Research Hospital/ The University of Tennessee Health Science Center*

**Melissa Acquazzino, MD**  
*Fred & Pamela Buffett Cancer Center*

**Wendy A. Allen-Rhoades, MD, PhD**  
*Mayo Clinic Comprehensive Cancer Center*

**Marie Barnett, PhD**  
*Memorial Sloan Kettering Cancer Center*

**Scott C. Borinstein, MD, PhD**  
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**Robert L. Casey, PhD**  
*University of Colorado Cancer Center*

**Sun Choo, MD**  
*UC San Diego Moores Cancer Center*

**Rashmi Chugh, MD**  
*University of Michigan Rogel Cancer Center*

**Shira Dinner, MD**  
*Robert H. Lurie Comprehensive Cancer Center of Northwestern University*

**Douglas B. Fair, MD, MS**  
*Huntsman Cancer Institute at the University of Utah*

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*UCLA Jonsson Comprehensive Cancer Center*

Jeannelle Follbrecht, PhD  
*City of Hope National Medical Center*

Shipra Gandhi, MD  
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Michael P. Link, MD  
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John A. Livingston, MD, MS  
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Damon R. Reed, MD  
*Moffitt Cancer Center*
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Tara Sanft, MD
Yale Cancer Center/Smilow Cancer Hospital

Jodi Skiles, MD, MS
Indiana University
Melvin and Bren Simon Comprehensive Cancer Center

Margaret Von Mehren, MD
Fox Chase Cancer Center

Nicholas D. Yeager, MD
The Ohio State University
Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Cancer in People with HIV/Kaposi Sarcoma Panel

Erin Reid, MD / Co-Chair
UC San Diego Moores Cancer Center

Gita Suneja, MD, MSHP / Co-Chair
Huntsman Cancer Institute at the University of Utah

Rami Al-Rohil, MBBS
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Richard F. Ambinder, MD, PhD
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

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Chia-Ching J. Wang, MD
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Anjana Yeldandi, MD
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Older Adult Oncology Panel

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<td>Senior Director, Policy and Advocacy</td>
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<td>Sarah Schultz</td>
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<td>Samantha Tamburro, BSN, RN, CPON</td>
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