




Maximilian Diehn, MD, PhD

Jack, Lulu, and Sam Willson Professor and Professor of Radiation Oncology (Radiation Therapy)

Radiation Oncology - Radiation Therapy

 NIH Biosketch available Online

 Curriculum Vitae available Online

CLINICAL OFFICE (PRIMARY)

- **Radiation Oncology**

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Stanford, CA 94305

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Michelle Ly

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Tel 650-723-7311

Bio

CLINICAL FOCUS

- Cancer > Radiation Oncology
- Cancer > Thoracic Oncology
- Radiation Oncology
- Radiation Therapy

ACADEMIC APPOINTMENTS

- Professor, Radiation Oncology - Radiation Therapy
- Member, Bio-X
- Member, Institute for Stem Cell Biology and Regenerative Medicine
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Cancer Biology Graduate Program Admissions Committee, Stanford University, (2012- present)
- Stem Cell Biology & Regenerative Medicine Graduate Program Admissions Committee, Stanford University, (2013- present)
- Medical Scientist Training Program (MSTP) Admissions Committee, Stanford University, (2011- present)

HONORS AND AWARDS

- Thomas Temple Hoopes Prize for outstanding senior thesis, Harvard University (1997)
- Medical Scientist Training Program, Stanford University (1997-2004)
- Franklin G. Ebaugh, Jr. Award for Research, Department of Medicine, Stanford University (2005)
- Annual Meeting Basic Science Travel Grant Award, American Society for Therapeutic Radiology and Oncology (ASTRO) (2006)
- ASTRO Residents in Radiation Oncology Research Seed Grant, American Society for Therapeutic Radiology and Oncology (ASTRO) (2006-2008)
- Holman Research Pathway, American Board of Radiology (ABR) (2006-2009)

- RSNA Research Resident/Fellow Grant, Radiological Society of North America (RSNA) (2007-2009)
- Roentgen Resident/Fellow Research Award, Radiological Society of North America (RSNA) (2008)
- Malcolm A. Bagshaw Award, Stanford University (2009)
- Sidney Kimmel Scholar Award, Sidney Kimmel Foundation (2010-2013)
- Doris Duke Clinical Scientist Development Award, Doris Duke Charitable Foundation (2010-2014)
- Edward Mallinckrodt, Jr. Foundation Grant, Edward Mallinckrodt, Jr. Foundation (2010-2014)
- Donald E. and Delia B. Baxter Foundation Faculty Scholar Award, Donald E. and Delia B. Baxter Foundation (2011-2012)
- Henry S. Kaplan Memorial Prize for Teaching, Stanford University (2012)
- Lung Cancer Research Program Promising Clinician Research Award, Department of Defense (2012-2014)
- CRK Faculty Scholar, CRK (2012-present)
- Walter H. Coulter Translational Research Grant, Walter H. Coulter Foundation (2013-2014)
- V Foundation Scholar Grant, V Foundation (2013-2015)
- NIH Director's New Innovator Award, National Institute of Health (NIH) (2013-2018)
- American Red Cross Blood Services Hero Award, American Red Cross (2016)
- Election to American Society for Clinical Investigation, American Society for Clinical Investigation (ASCI) (2017)
- ASCO Leadership Development Program, American Society of Clinical Oncology (ASCO) (2017-2018)
- Elected to the National Academy of Medicine, National Academy of Medicine (NAM) (2021)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, American Society for Therapeutic Radiology and Oncology (ASTRO) (2004 - present)
- Member, Radiological Society of North America (RSNA) (2004 - present)
- Member, International Society for Stem Cell Research (ISSCR) (2010 - present)
- Member, International Association for the Study of Lung Cancer (IASLC) (2011 - present)

PROFESSIONAL EDUCATION

- Medical Education: Stanford University School of Medicine (2004) CA
- Internship: Stanford University Internal Medicine Residency (2005) CA
- Residency: Stanford University Radiation Oncology Residency (2009) CA
- Board Certification: Radiation Oncology, American Board of Radiology (2010)
- MD, Stanford University (2004)
- PhD, Stanford University , Biophysics (2004)
- AB, Harvard College , Biochemical Sciences (1997)

LINKS

- Diehn lab website: <http://diehnlab.stanford.edu>
- Cancer Institute website: http://cancer.stanford.edu/profiles/physician/Maximilian_Diehn/
- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My laboratory focuses on two main areas: 1) cancer stem cell biology and its implications for therapy and 2) development of genomics-based biomarkers for identifying the presence of malignant cells (diagnostic), predicting outcome (prognostic), and predicting response to therapy (predictive). Areas of study include cancers of the lung, breast, and gastrointestinal system. We are also interested in developing a deeper molecular understanding of normal and cancer stem cells, including identifying pathways and genes important for survival and self-renewal. Additionally, we are developing methods for overcoming resistance mechanisms to radiotherapy and chemotherapy in cancer stem cells. We employ the tools of cancer genomics, including high throughput sequencing for detecting cancer mutations and quantifying gene expression. Clinically I specialize in the treatment of lung cancer and applications of stereotactic ablative radiotherapy and perform both prospective and retrospective clinical studies.

CLINICAL TRIALS

- Novel Serum Markers for Monitoring Response to Anti-Cancer Therapy, Recruiting
- Personalized Escalation of Consolidation Treatment Following Chemoradiotherapy and Immunotherapy in Stage III NSCLC in Stage III NSCLC, Recruiting
- Biopsy of Human Tumors for Cancer Stem Cell Characterization: a Feasibility Study, Not Recruiting
- BLP25 Liposome Vaccine and Bevacizumab After Chemotherapy and Radiation Therapy in Treating Patients With Newly Diagnosed Stage IIIA or Stage IIIB Non-Small Cell Lung Cancer That Cannot Be Removed by Surgery, Not Recruiting
- Breath Analysis for Evaluation of Radiation Exposure in Lung Cancer Patients Treated With Radiation, Not Recruiting
- Cisplatin and Etoposide Plus Radiation Followed By Nivolumab/Placebo For Locally Advanced NSCLC, Not Recruiting
- CT Perfusion Imaging in Predicting Treatment Response in Patients With Non-small Cell Lung Cancer or Lung Metastases Treated With Stereotactic Ablative Radiation Therapy, Not Recruiting
- CyberKnife Radiosurgical Treatment of Inoperable Early Stage Non-Small Cell Lung Cancer, Not Recruiting
- Erlotinib Hydrochloride or Crizotinib and Chemoradiation Therapy in Treating Patients With Stage III Non-small Cell Lung Cancer, Not Recruiting
- Imaging and Biomarkers of Hypoxia in Solid Tumors, Not Recruiting
- Individualized Lung Tumor Stereotactic Ablative Radiotherapy (iSABR), Not Recruiting
- Lapatinib Ditosylate and Radiation Therapy in Treating Patients With Locally Advanced or Locally Recurrent Breast Cancer, Not Recruiting
- Manuka Honey in Preventing Esophagitis-Related Pain in Patients Receiving Chemotherapy and Radiation Therapy For Lung Cancer, Not Recruiting
- Molecular Analysis of Thoracic Malignancies, Not Recruiting
- Molecular and Cellular Analysis of Breast Cancer, Not Recruiting
- Pulmonary Interstitial Lymphography in Early Stage Lung Cancer, Not Recruiting
- Radiation Therapy in Treating Patients With Extensive Stage Small Cell Lung Cancer, Not Recruiting
- Radiation Therapy in Treating Patients With Stage I Non-Small Cell Lung Cancer, Not Recruiting
- Radical-Dose Image Guided Radiation Therapy in Treating Patients With Metastatic Non-small Cell Lung Cancer Undergoing Immunotherapy, Not Recruiting
- Randomized Study to Compare CyberKnife to Surgical Resection In Stage I Non-small Cell Lung Cancer, Not Recruiting
- SABR-ATAC: A Trial of TGF-beta Inhibition and Stereotactic Ablative Radiotherapy for Early Stage Non-small Cell Lung Cancer, Not Recruiting
- Study of Positron Emission Tomography and Computed Tomography in Guiding Radiation Therapy in Patients With Stage III Non-small Cell Lung Cancer, Not Recruiting
- Surgery With or Without Internal Radiation Therapy Compared With Stereotactic Body Radiation Therapy in Treating Patients With High-Risk Stage I Non-Small Cell Lung Cancer, Not Recruiting
- Testing the Safety of Adding Either Monalizumab (IPH2201) or Oleclumab (MEDI9447) to Durvalumab (MEDI4736) Plus Standard Radiation Therapy for Locally Advanced Non-small Cell Lung Cancer (NSCLC), ARCHON-1 Trial, Not Recruiting

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

William Shi, Nova Xu

Doctoral Dissertation Reader (AC)

Andrea Garofalo

Postdoctoral Faculty Sponsor

Nan Chen, Jordan Cheng, Emily Hamilton, Soyeong Jun, Wilson Mai, Monica Nesselbush, Rui Wang, An Ni Zhang, Iris van 't Erve

Doctoral Dissertation Advisor (AC)

Diego Almanza, Isabel Jabara, Kevin Liu, Emily Shen, William Shi

Doctoral Dissertation Co-Advisor (AC)

Ilayda Ilerten

Doctoral (Program)

Isabel Jabara

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Cancer Biology (Phd Program)
- Stem Cell Biology and Regenerative Medicine (Phd Program)

Publications

PUBLICATIONS

- **Integrating genomic features for non-invasive early lung cancer detection** *NATURE*
Chabon, J. J., Hamilton, E. G., Kurtz, D. M., Esfahani, M. S., Moding, E. J., Stehr, H., Schroers-Martin, J., Nabet, B. Y., Chen, B., Chaudhuri, A. A., Liu, C., Hui, A. B., Jin, et al
2020
- **Noninvasive Early Identification of Therapeutic Benefit from Immune Checkpoint Inhibition.** *Cell*
Nabet, B. Y., Esfahani, M. S., Moding, E. J., Hamilton, E. G., Chabon, J. J., Rizvi, H. n., Steen, C. B., Chaudhuri, A. A., Liu, C. L., Hui, A. B., Almanza, D. n., Stehr, H. n., Gojenola, et al
2020
- **KEAP1/NFE2L2 mutations predict lung cancer radiation resistance that can be targeted by glutaminase inhibition.** *Cancer discovery*
Binkley, M. S., Jeon, Y. J., Nesselbush, M. n., Moding, E. J., Nabet, B. Y., Almanza, D. n., Kunder, C. n., Stehr, H. n., Yoo, C. H., Rhee, S. n., Xiang, M. n., Chabon, J. J., Hamilton, et al
2020
- **Circulating tumor DNA dynamics predict benefit from consolidation immunotherapy in locally advanced non-small-cell lung cancer** *Nature Cancer*
Moding, E. J., Liu, Y., Nabet, B. Y., Chabon, J. J., Chaudhuri, A. A., Hui, A. B., Bonilla, R. F., Ko, R. B., Yoo, C. H., He, J., Qiao, Y., Xu, T., Heymach, et al
2020; 1
- **Detection and Surveillance of Bladder Cancer Using Urine Tumor DNA** *CANCER DISCOVERY*
Dudley, J. C., Schroers-Martin, J., Lazzareschi, D., Shi, W., Chen, S. B., Esfahani, M. S., Trivedi, D., Chabon, J. J., Chaudhuri, A. A., Stehr, H., Liu, C., Lim, H., Costa, et al
2019; 9 (4): 500–509
- **Early detection of molecular residual disease in localized lung cancer by circulating tumor DNA profiling.** *Cancer discovery*

- Chaudhuri, A. A., Chabon, J. J., Lovejoy, A. F., Newman, A. M., Stehr, H. n., Azad, T. D., Khodadoust, M. S., Esfahani, M. S., Liu, C. L., Zhou, L. n., Scherer, F. n., Kurtz, D. M., Say, et al
2017
- **Role of KEAP1/NRF2 and TP53 Mutations in Lung Squamous Cell Carcinoma Development and Radiation Resistance.** *Cancer discovery*
Jeong, Y., Hoang, N. T., Lovejoy, A., Stehr, H., Newman, A. M., Gentles, A. J., Kong, W., Truong, D., Martin, S., Chaudhuri, A., Heiser, D., Zhou, L., Say, et al
2016
 - **Circulating tumour DNA profiling reveals heterogeneity of EGFR inhibitor resistance mechanisms in lung cancer patients** *NATURE COMMUNICATIONS*
Chabon, J. J., Simmons, A. D., Lovejoy, A. F., Esfahani, M. S., Newman, A. M., Haringsma, H. J., Kurtz, D. M., Stehr, H., Scherer, F., Karlovich, C. A., Harding, T. C., Durkin, K. A., Otterson, et al
2016; 7
 - **An ultrasensitive method for quantitating circulating tumor DNA with broad patient coverage** *NATURE MEDICINE*
Newman, A. M., Bratman, S. V., To, J., Wynne, J. F., Eclov, N. C., Modlin, L. A., Liu, C. L., Neal, J. W., Wakelee, H. A., Merritt, R. E., Shrager, J. B., Loo, B. W., Alizadeh, et al
2014; 20 (5): 552-558
 - **Analysis of Circulating Tumor DNA Predicts Outcomes of Short Course Consolidation Immunotherapy in Unresectable Stage III Non-Small Cell Lung Cancer.** *Journal of thoracic oncology : official publication of the International Association for the Study of Lung Cancer*
Jun, S., Shukla, N. A., Durm, G., Hui, A. B., Cao, S., Ganti, A. K., Jabbour, S. K., Kunder, C., Alizadeh, A. A., Hanna, N. H., Diehn, M.
2024
 - **Assessing the Evidence for Circulating Tumor HPV DNA in Patients With Oropharyngeal Cancer.** *JAMA oncology*
Lee, N. Y., Morris, L. G., Diehn, M.
2024
 - **Combined JAK inhibition and PD-1 immunotherapy for non-small cell lung cancer patients.** *Science (New York, N.Y.)*
Mathew, D., Marmarelis, M. E., Foley, C., Bauml, J. M., Ye, D., Ghinnagow, R., Ngiow, S. F., Klapholz, M., Jun, S., Zhang, Z., Zorc, R., Davis, C. W., Diehn, et al
2024; 384 (6702): eadfl329
 - **Risk of Second Tumors and T-Cell Lymphoma after CAR T-Cell Therapy.** *The New England journal of medicine*
Hamilton, M. P., Sugio, T., Noordenbos, T., Shi, S., Bulterys, P. L., Liu, C. L., Kang, X., Olsen, M. N., Good, Z., Dahiya, S., Frank, M. J., Sahaf, B., Mackall, et al
2024; 390 (22): 2047-2060
 - **Quantification of cerebrospinal fluid tumor DNA in lung cancer patients with suspected leptomeningeal carcinomatosis.** *NPJ precision oncology*
Azad, T. D., Nanjo, S., Jin, M. C., Chabon, J. J., Kurtz, D. M., Chaudhuri, A. A., Connolly, I. D., Hui, A. B., Liu, C. L., Merriott, D., Ko, R., Yoo, C., Carter, et al
2024; 8 (1): 121
 - **Chest wall pain after single-fraction thoracic stereotactic ablative Radiotherapy: Dosimetric analysis from the iSABR trial.** *Radiotherapy and oncology : journal of the European Society for Therapeutic Radiology and Oncology*
Lau, B., Wu, Y. F., Cui, S., Fu, J., Jackson, S., Pham, D., Dubrowski, P., Eswarappa, S., Skinner, L., Shirato, H., Taguchi, H., Gensheimer, M. F., Gee, et al
2024: 110317
 - **First in human Phase I Clinical Trial of Stereotactic Irradiation to Achieve Lung Volume Reduction (SILVR) in Severe Emphysema.** *International journal of radiation oncology, biology, physics*
Kamtam, D. N., Binkley, M. S., Kapula, N., Sadeghi, C., Nesbit, S., Md, H. H., Chang, J., Maxim, P. G., Diehn, M., Loo, B. W., Shrager, J. B.
2024
 - **Cancer biomarkers: Emerging trends and clinical implications for personalized treatment.** *Cell*
Passaro, A., Al Bakir, M., Hamilton, E. G., Diehn, M., André, F., Roy-Chowdhuri, S., Mountzios, G., Wistuba, I. I., Swanton, C., Peters, S.
2024; 187 (7): 1617-1635
 - **A human lymphoma organoid model for evaluating and targeting the follicular lymphoma tumor immune microenvironment.** *Cell stem cell*
Kastenschmidt, J. M., Schroers-Martin, J. G., Sworder, B. J., Sureshchandra, S., Khodadoust, M. S., Liu, C. L., Olsen, M., Kurtz, D. M., Diehn, M., Wagar, L. E., Alizadeh, A. A.
2024
 - **Pulmonary interstitial lymphography: A prospective trial with potential impact on stereotactic ablative radiotherapy planning for early-stage lung cancer.** *Radiotherapy and oncology : journal of the European Society for Therapeutic Radiology and Oncology*

- Ko, R. B., Abelson, J. A., Fleischmann, D., Louie, J. D., Hwang, G. L., Sze, D. Y., Schuler, E., Kielar, K. N., Maxim, P. G., Le, Q., Hara, W. H., Diehn, M., Kothary, et al
2023: 110079
- **Specificity of Immunoglobulin High-Throughput Sequencing Minimal Residual Disease Monitoring in Non-Hodgkin Lymphomas.** *Blood advances*
Shukla, N., Schroers-Martin, J., Sworder, B., Kathuria, K. R., Alig, S., Frank, M. J., Miklos, D. B., Coutre, S. E., Diehn, M., Khodadoust, M. S., Roschewski, M. J., Kurtz, D. M., Alizadeh, et al
2023
 - **Distinct Hodgkin lymphoma subtypes defined by noninvasive genomic profiling.** *Nature*
Alig, S. K., Esfahani, M. S., Garofalo, A., Li, M. Y., Rossi, C., Flerlage, T., Flerlage, J. E., Adams, R., Binkley, M. S., Shukla, N., Jin, M. C., Olsen, M., Telenius, et al
2023
 - **Predicting Adverse Cardiac Events After Radiotherapy for Locally Advanced Non-Small Cell Lung Cancer.** *JACC. CardioOncology*
No, H. J., Guo, F. B., Park, N. J., Kastelowitz, N., Rhee, J. W., Clark, D. E., Chin, A. L., Vitzthum, L. K., Horst, K. C., Moding, E. J., Loo, B. W., Diehn, M., Binkley, et al
2023; 5 (6): 775-787
 - **Patient Selection and Outcomes for Hypofractionated Accelerated Radiation and Concurrent Chemotherapy for Non-Small-Cell Lung Cancer.** *Clinical lung cancer*
Hui, C., Marquez, C., Lau, B., Das, M., Myall, N. J., Roy, M., Wakelee, H. A., Neal, J. W., Kovalchuk, N., Chin, A., Diehn, M., Loo, B. W., Xiang, et al
2023
 - **Personalized Accelerated ChEemoRadiation (PACER) for Lung Cancer: Protocol for a Bayesian Optimal Phase I/II Trial.** *Clinical lung cancer*
Hui, C., Brown, E., Wong, S., Das, M., Wakelee, H., Neal, J., Ramchandran, K., Myall, N. J., Pham, D., Xing, L., Yang, Y., Kovalchuk, N., Yuan, et al
2023
 - **CAR19 Therapy Drives Expansion of Clonal Hematopoiesis and Associated Cytopenias**
Hamilton, M. P., Sworder, B. J., Alig, S. K., Good, Z., Boegeholz, J., Schroers-Martin, J., Tamaresis, J., Esfahani, M., Lu, Y., Olsen, M., Liu, C., Ehlinger, Z., Desai, et al
AMER SOC HEMATOLOGY.2023
 - **Longitudinal Noninvasive Surveillance & Fragmentomic Characterization of Follicular Lymphoma**
Schroers-Martin, J., Mutter, J. A., Esfahani, M., Scherer, F., Soo, J., Alig, S. K., Kurtz, D. M., Sugio, T., Rossi, C., Tessoulin, B., Olsen, M., Liu, C., Diehn, et al
AMER SOC HEMATOLOGY.2023
 - **Optimizing Circulating Tumor DNA Limits of Detection for DLBCL during First Line Therapy**
Goldstein, J., Kim, W., Yoon, S., Kim, S., Roschewski, M., Westin, J., Lynch, R. C., Alig, S. K., Close, S., Chabon, J. J., Rossi, D., Wilson, W. H., Diehn, et al
AMER SOC HEMATOLOGY.2023
 - **Prognostic Utility of Minimal Residual Disease (MRD) after Curative Intent Induction Therapy for DLBCL: A Prospective Real-World Ctdna Study**
Sworder, B. J., Yoon, S., Kim, S., Schultz, A., Hogan, G., Close, S., Chabon, J. J., Diehn, M., Kurtz, D. M., Alizadeh, A. A., Kim, W.
AMER SOC HEMATOLOGY.2023
 - **Distinct Circulating Genomic Features of Classical Hodgkin Lymphoma of Older Adults**
Rossi, C., Boegeholz, J., Alig, S. K., Garofalo, A., Esfahani, M., Schroers-Martin, J., Olsen, M., Kang, X., Kurtz, D. M., Sugio, T., Hamilton, M. P., Andre, M., Casasnovas, et al
AMER SOC HEMATOLOGY.2023
 - **Inferred Gene Expression By Cell-Free DNA Profiling Allows Noninvasive Lymphoma Classification**
Mutter, J. A., Esfahani, M., Schroers-Martin, J., Alig, S. K., Hamilton, M. P., Sworder, B. J., Tessoulin, B., Boegeholz, J., Flerlage, T., Flerlage, J. E., Binkley, M. S., Sugio, T., Rossi, et al
AMER SOC HEMATOLOGY.2023
 - **End-of-Treatment Response Assessment after Frontline Therapy for Aggressive B-Cell Lymphoma: Landmark Comparison of a Singular PET/CT Scan Versus Ultrasensitive Circulating Tumor DNA**
Roschewski, M., Lindenberg, L., Mena, E., Lakhota, R., Melani, C., Steinberg, S. M., Schultz, A., Hogan, G., Chabon, J. J., Close, S., Diehn, M., Sworder, B. J., Kurtz, et al
AMER SOC HEMATOLOGY.2023

- **An Integrated Multimodal Framework for Noninvasive TCL Disease Detection and Monitoring**
Sugio, T., Shukla, N., Khodadoust, M. S., Nesselbush, M., Kato, K., Alig, S. K., Boegeholz, J., Schroers-Martin, J., Esfahani, M., Mutter, J. A., Garofalo, A., Jun, S., Hamilton, et al
AMER SOC HEMATOLOGY.2023
- **Phased Variants Allow Robust Profiling of Circulating Tumor DNA in Untreated Follicular Lymphomas**
Nagy, A., Batai, B., Hogan, G., Chabon, J. J., Troke, M., Riley, L., Schultz, A., Close, S., Diehn, M., Alpar, D., Timar, B., Alizadeh, A. A., Kurtz, et al
AMER SOC HEMATOLOGY.2023
- **Genomic, Transcriptional, and Immunological Validation of Distinct Molecular Subtypes of Classic Hodgkin Lymphoma through Tissue-Based and Noninvasive Methods**
Alig, S. K., Esfahani, M., Garofalo, A., Li, M., Rossi, C., Flerlage, T., Flerlage, J. E., Adams, R., Binkley, M. S., Shukla, N., Jin, M., Olsen, M., Telenius, et al
AMER SOC HEMATOLOGY.2023
- **Investigating Dosimetry and Imaging Biomarkers for Prediction of Major Adverse Cardiac Events Following Locally Advanced Non-Small Cell Lung Cancer Radiotherapy.** *International journal of radiation oncology, biology, physics*
No, H. J., Park, N. J., Guo, F. B., Kastelowitz, N., Snyder, J. M., Rhee, J. W., Clark, D. E., Chin, A. L., Vitzthum, L., Horst, K. C., Moding, E. J., Loo, B. W., Diehn, et al
2023; 117 (2S): S170
- **Prospective Trial of Using Imaging to Predict Pathologic Response and Clinical Outcomes in Locally Advanced Esophageal Cancer.** *International journal of radiation oncology, biology, physics*
Liu, Y., Hobbs, B. P., Hofstetter, W., Murphy, M. B., Gandhi, S., Nguyen, Q. N., Chang, J. Y., Liao, Z., Diehn, M., Ma, J., Lin, S. H.
2023; 117 (2S): S12-S13
- **Concurrent Radiation and Immunotherapy Augments Local Immunity and Improves Survival in Aneuploid NSCLC.** *International journal of radiation oncology, biology, physics*
Spurr, L. F., Martinez, C., Kang, W., Chen, M., Zha, Y., Hseu, R., Gutiontov, S., Turchan, W. T., Lynch, C., Pointer, K. B., Vokes, E. E., Bestvina, C. M., Patel, et al
2023; 117 (2S): S23
- **Hyperfractionated Reirradiation for Locally Recurrent Thoracic Tumors.** *International journal of radiation oncology, biology, physics*
Butler, S. S., Raclin, T., Lau, B., Raja, N., Chin, A. L., Skinner, L., Diehn, M., Loo, B. W., Vitzthum, L.
2023; 117 (2S): e9
- **Predicting Local Control with Dosimetric Parameters in Patients Receiving Individualized Stereotactic Ablative Radiotherapy for Lung Tumors.** *International journal of radiation oncology, biology, physics*
Wu, Y. F., Lau, B., Fu, J., Cui, S., Pham, D., Dubrowski, P., Eswarappa, S., Zgrabik, J., Candow, L., Skinner, L., Shirato, H., Taguchi, H., Gensheimer, et al
2023; 117 (2S): e76
- **Improved early outcome prediction by MRI-based 3D tumor volume assessment in patients with CNS lymphomas.** *Neuro-oncology*
Lauer, E. M., Riegler, E., Mutter, J. A., Alig, S. K., Bleul, S., Kuehn, J., Ranganathan, L., Klingler, C., Demerath, T., Wurtemberger, U., Rau, A., Weiss, J., Eisenblaetter, et al
2023
- **Individualized Stereotactic Ablative Radiotherapy for Lung Tumors: The iSABR Phase 2 Nonrandomized Controlled Trial.** *JAMA oncology*
Gensheimer, M. F., Gee, H., Shirato, H., Taguchi, H., Snyder, J. M., Chin, A. L., Vitzthum, L. K., Maxim, P. G., Wakelee, H. A., Neal, J., Das, M., Chang, D. T., Kidd, et al
2023
- **Early-Stage Lung Cancer: Using Circulating Tumor DNA to Get Personal.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*
Bestvina, C. M., Garassino, M. C., Neal, J. W., Wakelee, H. A., Diehn, M., Vokes, E. E.
2023: JCO2300258
- **Association between locoregional failure and NFE2L2/KEAP1/CUL3 pathway mutations in NRG/RTOG 9512: A randomized trial of hyperfractionation vs. conventional fractionation in T2N0 glottic squamous cell carcinoma (SCC).**
Guan, L., Torres-Saavedra, P. A., Zhao, X., Major, M. B., Holmes, B. J., Nguyen, N., Kumaravelu, P., Hodge, T., Diehn, M., Zevallos, J., Emami, B., Sagar, S. M., Morrison, et al
LIPPINCOTT WILLIAMS & WILKINS.2023

- **17th International Conference on Malignant Lymphoma, Palazzo dei Congressi, Lugano, Switzerland, 13 - 17 June, 2023.** *Hematological oncology*
Rossi, C., Boegeholz, J. L., Alig, S. K., Garofalo, A., Esfahani, M. S., Schroers-Martin, J., Olsen, M., Kang, X., Kurtz, D. M., Sugio, T., Hamilton, M. P., André, M., Casasnovas, et al
2023; 41 Suppl 2: 321-322
- **17th International Conference on Malignant Lymphoma, Palazzo dei Congressi, Lugano, Switzerland, 13 - 17 June, 2023.** *Hematological oncology*
Alig, S. K., Esfahani, M. S., Garofalo, A., Li, M. Y., Rossi, C., Adams, R., Binkley, M. S., Jin, M. C., Olsen, M., Telenius, A., Mutter, J., Sworder, B. J., Schroers-Martin, et al
2023; 41 Suppl 2: 96-98
- **Unilateral diaphragmatic paralysis after stereotactic ablative radiotherapy to a lung tumor abutting the course of the phrenic nerve.** *Practical radiation oncology*
Eke, I., Guo, H. H., Loo, J. B., Sung, A. W., Diehn, M., Vitzthum, L., Chin, A. L., Gensheimer, M. F.
2023
- **Pulmonary Hemorrhage in Patients Treated with Thoracic Stereotactic Ablative Radiotherapy and Anti-Angiogenic Agents.** *Journal of thoracic oncology : official publication of the International Association for the Study of Lung Cancer*
Lau, B., Wu, Y. F., No, H. J., Ko, R. B., Devine, M., Das, M. S., Neal, J. W., Wakelee, H. A., Ramchandran, K., Gensheimer, M. F., Diehn, M., Chin, A. L., Loo, et al
2023
- **Real-world risk of brain metastases in stage III non-small cell lung cancer in the era of PET and MRI staging.** *Frontiers in oncology*
Alhusaini, S., Lanman, T. A., Ko, R. B., Therkelsen, K. E., Eyben, R. V., Diehn, M., Soltys, S. G., Pollom, E. L., Chin, A., Vitzthum, L., Wakelee, H. A., Padda, S. K., Ramchandran, et al
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