



## 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**

875 Blake Wilbur Dr

MC 6560

Stanford, CA 94305

**Tel** (650) 721-1550

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### ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Michelle Ly

**Email** mly00@stanford.edu

**Tel** 650-723-7311

## Bio

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### 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**

- Residency: Stanford University Dept of Radiation Oncology (2009) CA
- Medical Education: Stanford University School of Medicine (2004) CA
- Internship: Stanford University Internal Medicine Residency (2005) 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/](http://cancer.stanford.edu/profiles/physician/Maximilian_Diehn/)
- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

## Research & Scholarship

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### 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

- Development of Novel Serum Markers for Monitoring Response to Anti-Cancer Therapy, Recruiting
- Molecular Analysis of Thoracic Malignancies, Recruiting
- Phase II Adaptive ctDNA-Based Personalization of Treatment during Consolidation Therapy in NSCLC, Recruiting
- Breath Analysis for Evaluation of Radiation Exposure in Lung Cancer Patients Treated with Radiation, Not Recruiting
- Imaging and Biomarkers of Hypoxia in Solid Tumors, Not Recruiting
- Molecular and Cellular Analysis of Breast Cancer, Not Recruiting
- Phase I Accelerated Hypofractionated IGRT in Stage II-IV NSCLC and Poor Performance Status, Not Recruiting
- Phase I RT Combined w/ MEDI4736 (Durvalumab) in PD-L1 High Locally Advanced NSCLC, Not Recruiting
- Phase I/II Fresolimumab&Stereotactic Ablative Radiotherapy in Early Stage Non-Small Cell Lung Cancer, Not Recruiting
- Phase II Individualized Combined Modality Therapy for Stage III NSCLC, Not Recruiting
- Phase II Individualized Lung Tumor Stereotactic Ablative Radiotherapy (iSABR), Not Recruiting
- Phase II Lapatinib+XRT in Locally Advanced/Recurrent Breast Cancer & Impact on Breast CA Stem Cells, Not Recruiting
- Phase II PreOp ChemoXRT +/- Panitumumab Followed by Chemotherapy in Locally Advanced NSCLC, Not Recruiting
- Phase II Radical RADiotherapy & Immunotherapy for Metastatic CAnCER of the Lung (RRADICAL), Not Recruiting
- Phase II Trial of Individualized Adaptive RT Using During-Tx FDG-PET/CT & Modern Technology in NSCLC, Not Recruiting
- Phase III Cisplatin & Etoposide + Thoracic RT Followed by Nivolumab/Placebo Locally Advanced NSCLC, Not Recruiting
- Phase III CyberKnife SRS vs Surgical Resection for Stage I NSCLC, Not Recruiting
- Pilot Perfusion CT in Lung Tumors Treated with Stereotactic Ablative Radiation Therapy (SABR), Not Recruiting

## Teaching

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### STANFORD ADVISEES

#### Med Scholar Project Advisor

Allison Chou, William Shi

#### Postdoctoral Faculty Sponsor

Jordan Cheng, Soyeong Jun, Wilson Mai, Rui Wang, An Ni Zhang, Iris van 't Erve

#### Doctoral Dissertation Advisor (AC)

Isabel Jabara, Kevin Liu, Emily Shen, William Shi

#### Doctoral Dissertation Co-Advisor (AC)

Ilayda Ilertten

#### Doctoral (Program)

Isabel Jabara

### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

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

### Publications

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#### 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

- **Integrating ctDNA Analysis and Radiomics for Dynamic Risk Assessment in Localized Lung Cancer.** *Cancer discovery*  
Moding, E. J., Shahrokh Esfahani, M., Jin, C., Hui, A. B., Nabet, B. Y., Liu, Y., Chabon, J. J., Binkley, M. S., Kurtz, D. M., Hamilton, E. G., Chaudhuri, A. A., Liu, C. L., Li, et al  
2025: OF1-OF21
- **An ultrasensitive method for detection of cell-free RNA.** *Nature*  
Nesselbush, M. C., Luca, B. A., Jeon, Y. J., Jabara, I., Meador, C. B., Garofalo, A., Binkley, M. S., Hui, A. B., van 't Erve, I., Xu, N., Shi, W. Y., Liu, K. J., Sugio, et al  
2025
- **The effect of ibrutinib on the myeloid cell compartment in CNS lymphoma.** *Leukemia*  
Kuehn, J. C., Neidert, N. N., Zhang, J., Mutter, J., Alig, S., Klingler, C., Hummel, F., Ranganathan, L., Bleul, S., Beck, J., Prinz, M., Diehn, M., Alizadeh, et al  
2025
- **Guiding clinical management of patients with CNS lymphomas by minimal-invasive detection of ctDNA in cerebrospinal fluid.** *Leukemia*  
Weinschenk, S., Philipp, U., Kuehn, J. C., Mueller, K., Fauser, J., Boeckle, D., Gebhard, I., Hinz, M., Neidert, N., Bleul, S., Lauer, E. M., Mutter, J. A., Alig, et al  
2025
- **A vision-language foundation model for precision oncology.** *Nature*  
Xiang, J., Wang, X., Zhang, X., Xi, Y., Eweje, F., Chen, Y., Li, Y., Bergstrom, C., Gopaulchan, M., Kim, T., Yu, K. H., Willens, S., Olguin, et al  
2025
- **New Approvals Advancing Blood Cancer Medicine** *BLOOD CANCER DISCOVERY*  
LoRusso, P. M., Bradley, C. J., Bunn Jr, P. A., Cleveland, J. L., Diehn, M., Figueiredo, J. C., Flowers, C., Foti, M., Hricak, H., Llanos, A. A. M., Pignone, M., Stegmaier, K., Williams, et al  
2025; 6 (1): 5-9
- **Automated Deep Learning-Based Detection and Segmentation of Lung Tumors at CT.** *Radiology*  
Kashyap, M., Wang, X., Panjwani, N., Hasan, M., Zhang, Q., Huang, C., Bush, K., Chin, A., Vitzthum, L. K., Dong, P., Zaky, S., Loo, B. W., Diehn, et al  
2025; 314 (1): e233029
- **Optimization of leptomeningeal carcinomatosis treatment in lung cancer using cerebrospinal fluid tumor-derived DNA**  
Nanjo, S., Tej, A., Jin, M., Yano, S., Hui, A., Nagpal, S., Gephart, M., Alizadeh, A., Diehn, M.  
WILEY.2025: 1891
- **Association between Locoregional Failure and NFE2L2/KEAP1/CUL3 Mutations in NRG/RTOG 9512: A Randomized Trial of Radiation Fractionation in T2N0 Glottic Cancer.** *Clinical cancer research : an official journal of the American Association for Cancer Research*  
Guan, L., Torres-Saavedra, P. A., Zhao, X., Major, M. B., Holmes, B. J., Nguyen, N. K., Kumaravelu, P., Hodge, T., Diehn, M., Zevallos, J. P., Holsinger, F. C., Emami, B., Jordan, et al  
2024
- **Cancer in 2024** *CANCER DISCOVERY*  
LoRusso, P. M., Bradley, C. J., Bunn Jr, P. A., Cleveland, J. L., Diehn, M., Lulu, J., Willson, S., Figueiredo, J. C., Flowers, C., Foti, M., Hricak, H., Llanos, A. A. M., Pignone, et al  
2024; 14 (12): 2324-2331
- **Phase II Trial of Regorafenib and Oral Methotrexate in Previously Treated Advanced KRAS-Mutant NSCLC** *JTO CLINICAL AND RESEARCH REPORTS*  
Aredo, J., Wakelee, H. A., Ramchandran, K. J., Neal, J. W., Diehn, M., Hui, A., Salahudeen, A., Kwong, B., Berry, G. J., Guo, H., Cunanan, K., Vali, S., Pancirer, et al  
2024; 5 (12)
- **Phase II Trial of Regorafenib and Oral Methotrexate in Previously Treated Advanced KRAS-Mutant NSCLC.** *JTO clinical and research reports*  
Aredo, J. V., Wakelee, H. A., Ramchandran, K. J., Neal, J. W., Diehn, M., Hui, A. B., Salahudeen, A., Kwong, B., Berry, G. J., Guo, H. H., Cunanan, K., Vali, S., Pancirer, et al  
2024; 5 (12): 100741

- **Response to Letter to the Editor.** *Journal of thoracic oncology : official publication of the International Association for the Study of Lung Cancer*  
Jun, S., Shukla, N. A., Hanna, N. H., Diehn, M.  
2024; 19 (12): e93-e94
- **Predictors of Atrial Fibrillation After Thoracic Radiotherapy.** *JACC. CardioOncology*  
Butler, S., No, H., Guo, F., Merchant, G., Park, N. J., Jackson, S., Clark, D. E., Vitzthum, L., Chin, A., Horst, K., Hoppe, R. T., Loo, B. W., Diehn, et al  
2024; 6 (6): 935-945
- **Anatomic Genetic Heterogeneity Is Uncovered By Concurrent Cell-Free DNA and Tissue Profiling and Predicts Treatment Resistance in Diffuse Large B-Cell Lymphoma**  
Goldstein, J. S., Scherer, F., Sworder, B. J., Diehn, M., Kurtz, D., Alizadeh, A. A.  
ELSEVIER.2024: 4357-4358
- **Integrating Genomic & Transcriptomic Features for Noninvasive Detection, Characterization, and Monitoring of T-Cell Lymphomas**  
Sugio, T., Nesselbush, M., Shukla, N., Garofalo, A., Mutter, J. A., Esfahani, M., Alig, S. K., Shi, S., Noordenbos, T., Hamilton, M. P., Rossi, C., Tian, F., Liu, et al  
ELSEVIER.2024: 454-455
- **Acquired Immunodeficiency Landscapes Via Integrated Noninvasive Viral & Immune Profiling in HIV-Associated Lymphoproliferative Disease**  
Shi, S., Lurain, K., Schroers-Martin, J. G., Garofalo, A., Mutter, J. A., Sugio, T., Kang, X., Tian, F., Liu, C., Olsen, M., Wilson, W. H., Diehn, M., Roschewski, et al  
ELSEVIER.2024: 1157-1158
- **Guiding Treatment and Clinical Management of Patients with CNS Lymphomas By Minimal-Invasive Detection of Circulating Tumor DNA in Cerebrospinal Fluid**  
Weinschenk, S., Philipp, U., Kuehn, J. C., Mueller, K. J., Fauser, J., Boeckle, D., Gebhard, I., Hinz, M., Neidert, N. N., Bleul, S., Lauer, E. M., Mutter, J. A., Alig, et al  
ELSEVIER.2024: 1583-1584
- **Resolving the Microarchitecture of Classic and Transformed Follicular Lymphoma By Single Cell Alignment to Spatial Transcriptomes**  
Noordenbos, T., Schroers-Martin, J. G., Hamilton, M. P., Jun, S., Sugio, T., Sworder, B. J., Steen, C., Olsen, M., Liu, C., Newman, A., Howitt, B., Natkunam, Y., Miklos, et al  
ELSEVIER.2024: 2993-2994
- **Ultrasensitive Circulating Tumor DNA MRD Status Predicts Treatment Failure & Complements PET/CT throughout Treatment for Early and Advanced Stage Classic Hodgkin Lymphoma**  
Boegeholz, J., Rossi, C., Goldstein, J. S., Alig, S. K., Garofalo, A., Esfahani, M., Schroers-Martin, J. G., Liu, C., Olsen, M., Kang, X., Tian, F., Kurtz, D., Andre, et al  
ELSEVIER.2024: 565-566
- **The Effect of Ibrutinib on the Myeloid Cell Compartment in Central Nervous System Lymphoma Slice Cultures**  
Kuehn, J. C., Neidert, N. N., Zhang, J., Mutter, J. A., Alig, S. K., Klingler, C., Hummel, F., Bleul, S., Ranganathan, L., Beck, J., Prinz, M., Diehn, M., Alizadeh, et al  
ELSEVIER.2024: 4374-4375
- **Dynamics of Circulating Tumor DNA As a Predictor of Outcomes with Lisocabtagene Maraleucel in Relapsed or Refractory Large B-Cell Lymphoma from the Transcend NHL-001 Study**  
Lee, D., Sworder, B. J., Stepan, L., Okal, A., Huang, C., Kang, X., Hamilton, J., Macaulay, C., Olsen, M., Liu, C., Diehn, M., Peiser, L., Kurtz, et al  
ELSEVIER.2024: 3412
- **Modulation of the Tumor Microenvironment By CCL19 in Primary CNS Lymphomas**  
Kuehn, J. C., Md, R., Neidert, N. N., Mutter, J. A., Grabis, E., Alig, S. K., Zhang, J., Klingler, C., Bleul, S., Hummel, F., Ranganathan, L., Lauer, E. M., Heiland, et al  
ELSEVIER.2024: 856-857
- **Distinct Molecular Aberrations of Classic Hodgkin Lymphoma in Older Adults Identified By Comprehensive Genomic Profiling**  
Rossi, C., Boegeholz, J., Goldstein, J. S., Shi, S., Su, S., Tessoulin, B., Alig, S. K., Garofalo, A., Esfahani, M., Schroers-Martin, J. G., Liu, C., Olsen, M., Kang, et al  
ELSEVIER.2024: 853-854

- **A Phase 2 Single-Arm Trial of High -Dose Radiotherapy Added to Immunotherapy for Patients with Metastatic Non Small Cell Lung Cancer**  
Kotha, N. V., Vitzthum, L., Chin, A. L., Jackson, S., Pratapneni, A., Le-Budka, M. L., Brown, E., Barnick, K., Wakelee, H. A., Das, M., Ramchandran, K. J., Myall, N., Padda, et al  
ELSEVIER SCIENCE INC.2024: S60
- **Effect of De Novo Co-Mutations on Clinical Outcomes in Patients Receiving First-Line Osimertinib for EGFRMutated NSCLC**  
Sun, F., Banwait, M. K., Herrmann, A., Piotrowska, Z., Yun, K., Bazhenova, L. A., Wakelee, H. A., Neal, J. W., Das, M. S., Ramchandran, K. J., Roy, M., Diehn, M., Myall, et al  
ELSEVIER SCIENCE INC.2024: S196-S197
- **Quantification of Cerebrospinal Fluid Tumor DNA in Lung Cancer Patients with Suspected Leptomeningeal Carcinomatosis**  
Nanjo, S., Azad, T., Jin, M., Yano, S., Hui, A., Nagpal, S., Gephart, M. H., Alizadeh, A., Diehn, M.  
ELSEVIER SCIENCE INC.2024: S478
- **Predictors of Atrial Fibrillation after Thoracic Radiotherapy**  
Butler, S. S., No, H. J., Guo, F. B., Merchant, G., Park, N. J., Jackson, S., Clark, D. E., Vitzthum, L., Chin, A. L., Horst, K. C., Hoppe, R. T., Loo, B. W., Diehn, et al  
ELSEVIER SCIENCE INC.2024: E9-E10
- **Local Control by Motion Management Strategy of Thoracic Tumors: Secondary Analysis of the iSABR Trial**  
Abi Jaoude, J., Meurice, N., Lau, B., Dubrowski, P., Pham, D., Skinner, L., Kastelowitz, N., Chin, A. L., Gensheimer, M. F., Diehn, M., Loo, B. W., Vitzthum, L.  
ELSEVIER SCIENCE INC.2024: E1
- **Association between Inter-Fraction Tumor Volume Changes and Patient Outcomes from Stereotactic Ablative Radiotherapy for Early-Stage Lung Cancer**  
Mai, W. X., Frick, M. A., Jackson, S., Hasan, M., Cheunkarndee, T., Loo, B. W., Diehn, M., Vitzthum, L., Chin, A. L., Gensheimer, M. F.  
ELSEVIER SCIENCE INC.2024: E45
- **A phase 2 single-arm trial of high-dose precision targeted radiotherapy added to immunotherapy for patients with metastatic non-small cell lung cancer.** *International journal of radiation oncology, biology, physics*  
Gensheimer, M. F., Kotha, N. V., Vitzthum, L. K., Chin, A. L., Jackson, S., 't Erve, I. v., Pratapneni, A., Le-Budka, M. L., Wong, S., Brown, E., Barnick, K., Wakelee, H. A., Das, et al  
2024
- **Early Circulating Tumor DNA Shedding Kinetics for Prediction of Platinum Sensitivity in Patients With Small Cell Lung Cancer.** *JCO precision oncology*  
Murciano-Goroff, Y. R., Hui, A. B., Araujo Filho, J. A., Hamilton, E. G., Chabon, J. J., Moding, E. J., Bonilla, R. F., Lebow, E. S., Gomez, D., Rimner, A., Ginsberg, M. S., Offin, M., Kundra, et al  
2024; 8: e2400216
- **Ultra-sensitive ctDNA detection and monitoring in early breast cancer using PhasED-Seq**  
Cabel, L., An, J., Kurtz, D., Ross, D., Dikoglu, E., Chen, Y., Murphy, K., Szuhany, K., Stowell, S., Maloney, D., Scher, H. I., Morrow, M., Robson, et al  
ELSEVIER.2024: S338
- **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): eadf1329
- **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
- **Use of artificial intelligence-based digital pathology to predict outcomes for immune checkpoint inhibitor therapy in advanced gastro-esophageal cancer**  
Eweje, F., Li, Z., Gopaulchan, M., Attaranzadeh, A., Kloker, L., Jiang, Y., Diehn, M., Li, G., Li, R.  
LIPPINCOTT WILLIAMS & WILKINS.2024
  - **A phase 2 study of amivantamab plus lazertinib in patients with EGFR-mutant lung cancer and active central nervous system disease**  
Yu, H., Chen, M. F., Hui, A. B., Choudhury, N. J., Lee, J., Zheng, J., Ahn, L., Pupo, A., Nesselbush, M., Jabara, I., Heller, G., Arbour, K. C., Santini, et al  
LIPPINCOTT WILLIAMS & WILKINS.2024
  - **Ultrasensitive circulating tumor DNA (ctDNA) minimal residual disease (MRD) detection in early stage non-small cell lung cancer (NSCLC)**  
Isbell, J. M., Goldstein, J., Hamilton, E. G., Liu, S., Eichholz, J., Buonocore, D. J., Rusch, V. W., Bott, M., Molena, D., Rocco, G., Yang, S., Rudin, C. M., Jones, et al  
LIPPINCOTT WILLIAMS & WILKINS.2024
  - **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 SABR: Dosimetric analysis from the iSABR trial (NCT01463423)**  
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AMER SOC HEMATOLOGY.2022: 6403-6404
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AMER SOC HEMATOLOGY.2022: 1318-1319
- **MRD-Negativity As a Potential Surrogate Endpoint after Frontline DLBCL Therapy: Pooled Analysis of Trials & Implications for Clinical Trial Design**  
Roschewski, M., Kurtz, D. M., Westin, J., Lynch, R. C., Macaulay, C., Kuffer, C., Hogan, G. J., Close, S., Chabon, J. J., Rossi, D., Diehn, M., Alizadeh, A. A., Schultz, et al  
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- **Determinants of Resistance to Engineered T-Cell Therapies Targeting CD19 in Large B-Cell Lymphomas**  
Sworder, B., Kurtz, D. M., Alig, S. K., Frank, M. J., Shukla, N. D., Garofalo, A., Macaulay, C., Esfahani, M., Olsen, M., Hamilton, J., Hosoya, H., Hamilton, M. P., Spiegel, et al  
AMER SOC HEMATOLOGY.2022: 1301-1303
- **MRD-Negativity As a Potential Surrogate Endpoint after Frontline DLBCL Therapy: Pooled Analysis of Trials & Implications for Clinical Trial Design**  
Roschewski, M., Kurtz, D. M., Westin, J., Lynch, R. C., Macaulay, C., Kuffer, C., Hogan, G. J., Close, S., Chabon, J. J., Rossi, D., Diehn, M., Alizadeh, A. A., Schultz, et al  
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Guo, F. B., No, H. J., Rhee, J. W., Chin, A. L., Vitzthum, L., Horst, K. C., Moding, E. J., Loo, B. W., Diehn, M., Binkley, M. S.  
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Lau, B., Wu, Y. F., Fu, J., Cui, S., Pham, D., Gee, H., Skinner, L., Shirato, H., Taguchi, H., Chin, A., Gensheimer, M., Diehn, M., Loo, et al  
ELSEVIER SCIENCE INC.2022: S36-S37
- **Dosimetric Predictors of Local Control after Stereotactic Ablative Radiotherapy (SABR) for Lung Tumors: A Secondary Analysis of a Phase II Prospective Trial of Individualized SABR (iSABR)**  
Wu, Y., Lau, B., Fu, J., Skinner, L., Gensheimer, M., Gee, H., Diehn, M., Loo, B., Chin, A., Vitzthum, L.  
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Devine, M., Merriott, D. J., No, H. J., Lau, B., Say, C., Yoo, C., Yi, E., Ko, R. B., Neal, J. W., Wakelee, H. A., Das, M., Loo, B. W., Diehn, et al  
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