



Maximilian Diehn, MD, PhD

Associate Professor of Radiation Oncology (Radiation Therapy)

Radiation Oncology - Radiation Therapy

CLINICAL OFFICES

- **Radiation Oncology**

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Lab-Perla Gikas / Clinic-Ryan Ko

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Bio

CLINICAL FOCUS

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

ACADEMIC APPOINTMENTS

- Associate 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)
- Holman Research Pathway, American Board of Radiology (ABR) (2006-2009)
- Roentgen Resident/Fellow Research Award, Radiological Society of North America (RSNA) (2008)

- ASTRO Residents in Radiation Oncology Research Seed Grant, American Society for Therapeutic Radiology and Oncology (ASTRO) (2006-2008)
- RSNA Research Resident/Fellow Grant, Radiological Society of North America (RSNA) (2007-2009)
- Malcolm A. Bagshaw Award, Stanford University (2009)
- 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)
- Sidney Kimmel Scholar Award, Sidney Kimmel Foundation (2010-2013)
- Edward Mallinckrodt, Jr. Foundation Grant, Edward Mallinckrodt, Jr. Foundation (2010-2014)
- Doris Duke Clinical Scientist Development Award, Doris Duke Charitable Foundation (2010-2014)
- Lung Cancer Research Program Promising Clinician Research Award, Department of Defense (2012-2014)
- 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 (2013-2018)

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

- CT Perfusion Imaging in Predicting Treatment Response in Patients With Non-small Cell Lung Cancer or Lung Metastases Treated With Stereotactic Ablative Radiation Therapy, Recruiting
- Molecular Analysis of Thoracic Malignancies, Recruiting
- Molecular and Cellular Analysis of Breast Cancer, Recruiting
- Novel Serum Markers for Monitoring Response to Anti-Cancer Therapy, Recruiting
- Phase II Trial of Individualized Lung Tumor Stereotactic Ablative Radiotherapy (iSABR), Recruiting
- Radical-Dose Image Guided Radiation Therapy in Treating Patients With Metastatic Non-small Cell Lung Cancer Undergoing Immunotherapy, Recruiting
- SABR-ATAC: A Trial of TGF-beta Inhibition and Stereotactic Ablative Radiotherapy for Early Stage Non-small Cell Lung Cancer, Recruiting
- Accelerated Hypofractionated or Conventionally Fractionated Radiotherapy and Durvalumab in Treating Patients With Stage II-III Non-small Cell Lung Cancer, Not 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
- 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
- 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
- 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
- Randomized Study to Compare CyberKnife to Surgical Resection In Stage I 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

Teaching

COURSES

2019-20

- Cellular and Clinical Aspects of Cancer: CBIO 242 (Spr)

2018-19

- Cellular and Clinical Aspects of Cancer: CBIO 242 (Spr)

2017-18

- Cellular and Clinical Aspects of Cancer: CBIO 242 (Spr)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Amin Aalipour

Postdoctoral Faculty Sponsor

Jake Chabon, Shashank Shrishrimal

Doctoral Dissertation Advisor (AC)

Diego Almanza, Emily Hamilton, César Márquez, Monica Nesselbush, William Shi

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
- **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., Azad, T. D., Khodadoust, M. S., Esfahani, M. S., Liu, C. L., Zhou, L., Scherer, F., 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
- **A phase II randomized trial of Observation versus stereotactic ablative Radiation for Oligometastatic prostate CancEr (ORIOLE)**
Tran, P. T., Phillips, R., Shi, W., Lim, S., Antonarakis, E. S., Rowe, S. P., Ross, A., Gorin, M. A., Deville, C., Greco, S. C., Paller, C., DeWeese, T. L., Song, et al
AMER SOC CLINICAL ONCOLOGY.2020
- **Outcomes of Observation vs Stereotactic Ablative Radiation for Oligometastatic Prostate Cancer: The ORIOLE Phase 2 Randomized Clinical Trial.** *JAMA oncology*
Phillips, R., Shi, W. Y., Deek, M., Radwan, N., Lim, S. J., Antonarakis, E. S., Rowe, S. P., Ross, A. E., Gorin, M. A., Deville, C., Greco, S. C., Wang, H., Denmeade, et al
2020

- **Predicting per-lesion local recurrence in locally advanced non-small cell lung cancer following definitive radiation therapy using pre- and mid-treatment metabolic tumor volume.** *Radiation oncology (London, England)*
Binkley, M. S., Koenig, J. L., Kashyap, M., Xiang, M., Liu, Y., Sodji, Q., Maxim, P. G., Diehn, M., Loo, B. W., Gensheimer, M. F.
2020; 15 (1): 114
- **Lack of supporting data make the risks of a clinical trial of radiation therapy as a treatment for COVID-19 pneumonia unacceptable.** *Radiotherapy and oncology : journal of the European Society for Therapeutic Radiology and Oncology*
Kirsch, D. G., Diehn, M., Cucinoata, F. A., Weichselbaum, R.
2020
- **Circulating tumor DNA analysis to assess risk of progression after long-term response to PD-(L)1 blockade in NSCLC.** *Clinical cancer research : an official journal of the American Association for Cancer Research*
Hellmann, M. D., Nabet, B. Y., Rizvi, H., Chaudhuri, A. A., Wells, D. K., Dunphy, M. P., Chabon, J. J., Liu, C. L., Hui, A. B., Arbour, K. C., Luo, J., Preeshagul, I. R., Moding, et al
2020
- **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. L., Hui, A. B., Jin, et al
2020; 580 (7802): 245–51
- **A human lung tumor microenvironment interactome identifies clinically relevant cell-type cross-talk.** *Genome biology*
Gentles, A. J., Hui, A. B., Feng, W., Azizi, A., Nair, R. V., Bouchard, G., Knowles, D. A., Yu, A., Jeong, Y., Bejnood, A., Forgó, E., Varma, S., Xu, et al
2020; 21 (1): 107
- **Deep segmentation networks predict survival of non-small cell lung cancer.** *Scientific reports*
Baek, S., He, Y., Allen, B. G., Buatti, J. M., Smith, B. J., Tong, L., Sun, Z., Wu, J., Diehn, M., Loo, B. W., Plichta, K. A., Seyedin, S. N., Gannon, et al
2019; 9 (1): 17286
- **Atlas of clinically-distinct cell states and cellular ecosystems across human solid tumors**
Luca, B., Alizadeh, A., Diehn, M., Newman, A., Gentles, A., Steen, C.
BMC.2019
- **Primary Outcomes of a Phase II Randomized Trial of Observation Versus Stereotactic Ablative Radiation for Oligometastatic Prostate Cancer (ORIOLE)**
Phillips, R., Lim, S. J., Shi, W. Y., Antonarakis, E. S., Rowe, S., Gorin, M., Deville, C., Greco, S. C., Denmeade, S., Paller, C., DeWeese, T. L., Song, D., Wang, et al
ELSEVIER SCIENCE INC.2019: 681
- **Broad Genomic Profiling of Bronchoalveolar Lavage Fluid in Lung Cancer**
Nair, V., Hui, A., Chabon, J., Esfahani, M., Stehr, H., Nabet, B., Benson, J., Chaudhuri, A., Zhou, L., Ayers, K., Bedi, H., Ramsey, M., Van Wert, et al
ELSEVIER SCIENCE INC.2019: S747–S748
- **Circulating Tumor DNA Changes During Chemoradiation for Lung Cancer Predict Patient Outcomes**
Moding, E. J., Nabet, B. Y., Liu, Y., Chabon, J. J., Chaudhuri, A. A., Hui, A. B., Binkley, M. S., He, J., Qiao, Y., Xu, T., Yao, L., Gandhi, S., Liao, et al
ELSEVIER SCIENCE INC.2019: S113
- **Outcomes of Oligometastatic Colorectal Cancer treated with Stereotactic Ablative Radiotherapy**
Benson, K., Sandhu, N., Zhang, C., Ko, R. B., Toesca, D. S., Von Eyben, R., Diehn, M., Bush, K., Maxim, P. G., Gensheimer, M. F., Soltys, S. G., Loo, B. W., Pollom, et al
ELSEVIER SCIENCE INC.2019: E161–E162
- **Symptomatic Cardiac Events in Patients with Lung Tumors Near The Heart Treated with Stereotactic Ablative Radiotherapy (SABR): A Single Institution Experience**
Ko, R. B., Jani, K., Sodji, Q., Merriott, D. J., Pickthorn, W., Bush, K., Maxim, P. G., Diehn, M., Loo, B. W.
ELSEVIER SCIENCE INC.2019: S148
- **Influence of Dose and Fractionation on Radiologic Lung Fibrosis after Stereotactic Ablative Radiotherapy (SABR)**
Ross, J. B., Ross, J. B., Merriott, D. J., Alhumaid, S., Schueler, E., Ko, R. B., Bush, K., Maxim, P. G., Gensheimer, M. F., Loo, B. W., Diehn, M.
ELSEVIER SCIENCE INC.2019: E527–E528

- **Investigating and Validating Metabolic Tumor Volume As a Prognostic Factor for Local Recurrence in Early Stage Lung Cancer**
Binkley, M. S., Stehr, H., Moding, E. J., Owen, S. G., Ko, R., Maxim, P. G., Loo, B. W., Diehn, M.
ELSEVIER SCIENCE INC.2019: E497
- **Molecular Profiling of Oligometastases and Artificial Intelligence-based Model for Predicting Treatment Outcome in Advance Prostate Cancer**
Heidari, N., Bagshaw, H. P., Diehn, M., Snyder, M., Buyyounouski, M. K.
ELSEVIER SCIENCE INC.2019: 1195
- **Dynamic Risk Profiling Using Serial Tumor Biomarkers for Personalized Outcome Prediction.** *Cell*
Kurtz, D. M., Esfahani, M. S., Scherer, F., Soo, J., Jin, M. C., Liu, C. L., Newman, A. M., Duhresen, U., Huttmann, A., Casasnovas, O., Westin, J. R., Ritgen, M., Botcher, et al
2019
- **Determining cell type abundance and expression from bulk tissues with digital cytometry** *NATURE BIOTECHNOLOGY*
Newman, A. M., Steen, C. B., Liu, C., Gentles, A. J., Chaudhuri, A. A., Scherer, F., Khodadoust, M. S., Esfahani, M. S., Luca, B. A., Steiner, D., Diehn, M., Alizadeh, A. A.
2019; 37 (7): 773-+
- **Case series of MET exon 14 skipping mutation-positive non-small-cell lung cancers with response to crizotinib and cabozantinib** *ANTI-CANCER DRUGS*
Wang, S. Y., Zhang, B. M., Wakelee, H. A., Koontz, M. Z., Pan, M., Diehn, M., Kunder, C. A., Neal, J. W.
2019; 30 (5): 537-41
- **FLT-PET-CT for the Detection of Disease Recurrence After Stereotactic Ablative Radiotherapy or Hyperfractionation for Thoracic Malignancy: A Prospective Pilot Study** *FRONTIERS IN ONCOLOGY*
Hiniker, S. M., Sodji, Q., Quon, A., Gutkin, P. M., Arksey, N., Graves, E. E., Chin, F. T., Maxim, P. G., Diehn, M., Loo, B. W.
2019; 9
- **ctDNA analysis for personalization of consolidation immunotherapy in localized non-small cell lung cancer.**
Moding, E. J., Liu, Y., Nabet, B., Chabon, J. J., Chaudhuri, A., Hui, A. B., He, J., Qiao, Y., Heymach, J., Tsao, A. S., Liao, Z. X., Gomez, D., Ramchandran, et al
AMER SOC CLINICAL ONCOLOGY.2019
- **SABR-COMET: harbinger of a new cancer treatment paradigm** *LANCET*
Loo, B. W., Diehn, M.
2019; 393 (10185): 2013-14
- **SABR-COMET: harbinger of a new cancer treatment paradigm.** *Lancet (London, England)*
Loo, B. W., Diehn, M.
2019
- **Increases in Serial Pretreatment 18F-FDG PET-CT Metrics Predict Survival in Early Stage Non-Small Cell Lung Cancer Treated With Stereotactic Ablative Radiation Therapy.** *Advances in radiation oncology*
Prionas, N. D., von Eyben, R., Yi, E., Aggarwal, S., Shaffer, J., Bazan, J., Eastham, D., Maxim, P. G., Graves, E. E., Diehn, M., Gensheimer, M. F., Loo, B. W.
2019; 4 (2): 429-37
- **Increases in Serial Pretreatment F-18-FDG PET-CT Metrics Predict Survival in Early Stage Non-Small Cell Lung Cancer Treated With Stereotactic Ablative Radiation Therapy** *ADVANCES IN RADIATION ONCOLOGY*
Prionas, N. D., von Eyben, R., Yi, E., Aggarwal, S., Shaffer, J., Bazan, J., Eastham, D., Maxim, P. G., Graves, E. E., Diehn, M., Gensheimer, M. F., Loo, B. W.
2019; 4 (2): 429-37
- **Reply to J. Wang et al.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*
Kurtz, D. M., Scherer, F., Jin, M. C., Soo, J., Craig, A. F., Esfahani, M. S., Chabon, J. J., Stehr, H., Liu, C. L., Tibshirani, R., Maeda, L. S., Gupta, N. K., Khodadoust, et al
2019: JCO1801907
- **Case series of MET exon 14 skipping mutation-positive non-small-cell lung cancers with response to crizotinib and cabozantinib.** *Anti-cancer drugs*
Wang, S. X., Zhang, B. M., Wakelee, H. A., Koontz, M. Z., Pan, M., Diehn, M., Kunder, C. A., Neal, J. W.
2019
- **Determining cell type abundance and expression from bulk tissues with digital cytometry.** *Nature biotechnology*
Newman, A. M., Steen, C. B., Liu, C. L., Gentles, A. J., Chaudhuri, A. A., Scherer, F., Khodadoust, M. S., Esfahani, M. S., Luca, B. A., Steiner, D., Diehn, M., Alizadeh, A. A.

2019

- **Circulating tumor DNA analysis for detection of minimal residual disease after chemoradiotherapy for localized esophageal cancer.** *Gastroenterology*
Azad, T. D., Chaudhuri, A. A., Fang, P., Qiao, Y., Esfahani, M. S., Chabon, J. J., Hamilton, E. G., Yang, Y. D., Lovejoy, A., Newman, A. M., Kurtz, D. M., Jin, M., Schroers-Martin, et al
2019
- **Role of KEAP1/NFE2L2 mutations in the chemotherapeutic response of non-small cell lung cancer patients.** *Clinical cancer research : an official journal of the American Association for Cancer Research*
Jeong, Y., Hellyer, J. A., Stehr, H., Hoang, N. T., Niu, X., Das, M., Padda, S. K., Ramchandran, K., Neal, J. W., Wakelee, H. A., Diehn, M.
2019
- **Functional significance of U2AF1 S34F mutations in lung adenocarcinomas.** *Nature communications*
Esfahani, M. S., Lee, L. J., Jeon, Y. J., Flynn, R. A., Stehr, H., Hui, A. B., Ishisoko, N., Kildebeck, E., Newman, A. M., Bratman, S. V., Porteus, M. H., Chang, H. Y., Alizadeh, et al
2019; 10 (1): 5712
- **FLT-PET-CT for the Detection of Disease Recurrence After Stereotactic Ablative Radiotherapy or Hyperfractionation for Thoracic Malignancy: A Prospective Pilot Study.** *Frontiers in oncology*
Hiniker, S. M., Sodji, Q., Quon, A., Gutkin, P. M., Arksey, N., Graves, E. E., Chin, F. T., Maxim, P. G., Diehn, M., Loo, B. W.
2019; 9: 467
- **Predicting HLA class II antigen presentation through integrated deep learning.** *Nature biotechnology*
Chen, B., Khodadoust, M. S., Olsson, N., Wagar, L. E., Fast, E., Liu, C. L., Muftuoglu, Y., Sworder, B. J., Diehn, M., Levy, R., Davis, M. M., Elias, J. E., Altman, et al
2019
- **Impact of KEAP1/NFE2L2/CUL3 mutations on duration of response to EGFR tyrosine kinase inhibitors in EGFR mutated non-small cell lung cancer.** *Lung cancer (Amsterdam, Netherlands)*
Hellyer, J. A., Stehr, H., Das, M., Padda, S. K., Ramchandran, K., Neal, J. W., Diehn, M., Wakelee, H. A.
2019; 134: 42–45
- **Predictors of Respiratory Decline Following Stereotactic Ablative Radiotherapy to Multiple Lung Tumors.** *Clinical lung cancer*
Moding, E. J., Liang, R., Lartey, F. M., Maxim, P. G., Sung, A., Diehn, M., Loo, B. W., Gensheimer, M. F.
2019
- **Current Status and Future Perspectives on Neoadjuvant Therapy in Lung Cancer** *JOURNAL OF THORACIC ONCOLOGY*
Blumenthal, G. M., Bunn, P. A., Chaft, J. E., McCoach, C. E., Perez, E. A., Scagliotti, G. V., Carbone, D. P., Aerts, H. L., Aisner, D. L., Bergh, J., Berry, D. A., Jarkowski, A., Botwood, et al
2018; 13 (12): 1818–31
- **Lymphoma Virome Dynamics Revealed By Cell-Free DNA Sequencing**
Schroers-Martin, J. G., Garofalo, A., Soo, J., Jin, M. C., Kurtz, D. M., Buedts, L., Duehrsen, U., Huettmann, A., Cottreau, A., Meignan, M., Casasnovas, O., Westin, J. R., Gaidano, et al
AMER SOC HEMATOLOGY.2018
- **Distinct Chromatin Accessibility Profiles of Lymphoma Subtypes Revealed By Targeted Cell Free DNA Profiling**
Mehrmohamadi, M., Esfahani, M. S., Soo, J., Scherer, F., Schroers-Martin, J. G., Chen, B., Kurtz, D. M., Hamilton, E., Liu, C., Diehn, M., Alizadeh, A. A.
AMER SOC HEMATOLOGY.2018
- **Noninvasive Genotyping and Monitoring of Classical Hodgkin Lymphoma**
Jin, M. C., Schroers-Martin, J. G., Kurtz, D. M., Buedts, L., Esfahani, M. S., Macaulay, C., Sworder, B., Soo, J., Glover, C., Roschewski, M., Wilson, W. H., Duhrsen, U., Huettmann, et al
AMER SOC HEMATOLOGY.2018
- **The use of texture-based radiomics CT analysis to predict outcomes in early-stage non-small cell lung cancer treated with stereotactic ablative radiotherapy.** *The British journal of radiology*
Starkov, P., Aguilera, T. A., Golden, D. I., Shultz, D. B., Trakul, N., Maxim, P. G., Le, Q., Loo, B. W., Diehn, M., Depeursinge, A., Rubin, D. L.
2018: 20180228
- **Analysis of Circulating Tumor DNA Kinetics during Stereotactic Ablative Radiation Therapy for Non-Small Cell Lung Cancer**
Chen, E. L., Chaudhuri, A. A., Nabet, B. Y., Chabon, J. J., Merriott, D. J., Loo, B. W., Alizadeh, A. A., Diehn, M.

ELSEVIER SCIENCE INC.2018: E676

- **Analysis of Urinary Cell-free DNA for Early Detection and Surveillance of Bladder Cancer**
Dudley, J., Schroers-Martin, J., Lazzareschi, D., Shi, W., Chen, S., Liao, J., Alizadeh, A., Diehn, M.
ELSEVIER SCIENCE INC.2018: 968
- **Comparison of Genomic Driver Oncogenes in Vietnamese Patients With Non-Small-Cell Lung Cancer in the United States and Vietnam.** *Journal of global oncology*
Nguyen, K. H., Stehr, H., Zhou, L., Nguyen, A., Hiep, P. N., Van Cau, N., Duy, P. C., Thorp, R., Wakelee, H. A., Diehn, M., Neal, J. W.
2018: 1–9
- **Radiologic Quantification and Predictors of Lung Fibrosis after Stereotactic Ablative Radiation Therapy(SABR)**
Ross, J. B., Schueler, E., Ko, R., Bush, K., Maxim, P. G., Gensheimer, M. F., Loo, B. W., Diehn, M.
ELSEVIER SCIENCE INC.2018: E703
- **Esophagitis in Patients Treated with Thoracic Stereotactic Ablative Radiation Therapy (SABR) to Tumors within 2 cm of the Esophagus**
Quaovi, S., Ko, R., Bush, K., Binkley, M. S., Pickthorn, W., Maxim, P. G., Gensheimer, M. F., Diehn, M., Loo, B. W.
ELSEVIER SCIENCE INC.2018: E666
- **Predicting Per-Lesion Local Recurrence in Locally Advanced Lung Cancer using Metabolic Tumor Volume on Pre- and Mid-Radiation FDG-PET**
Binkley, M. S., Koenig, J. L., Sodji, Q., Maxim, P. G., Diehn, M., Loo, B. W., Gensheimer, M. F.
ELSEVIER SCIENCE INC.2018: E674
- **Pulmonary Interstitial Lymphography and Patterns of Recurrence after Stereotactic Ablative Radiation Therapy(SABR) of Lung Tumors**
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