



SPRING GROUP MEETING

# Seattle

## Lung Committee

ership	Patient Advocate	:Judy Johnson,
Jhanelle E. Gray, MD	Pharmaceutical S	cience: Joyce Lee, Pha
Roy S. Herbst, MD, PhD		Safae Ghouraichi, Pha
er: Anne Chiang, MD, PhD	Protocol Project I	Managers: Justine Tre
Mary Redman, PhD		Jennifer Beeler (Lung-N
Michael Wu, PhD	Clinical Trials Prog	gram Manager: Mariah Normar
Yingqi Zhao, PhD	Time/Location	,
Kari Chansky, MS		
Mia Hsieh, MS	Room: Quinault	24 8:30 a.m 11:30 a.m.
Katie Minichiello, MS	Noom, Quinduit	Level 3)
Jieling Miao, MS		Agenda
James Moon, MS	8:30 - 8:35 am	General Update: Jhanelle E. Gray, MD
adership	0.25 0.40 am	Patient Adversate Undate: Judy Johnson MPA
dicine:	8:35 - 8:40 am	Patient Advocate Update: Judy Johnson, MBA
ogyPhilip C. Mack, PhD	8:40 - 8:45 am	Thoracic Surgery Session: Eric Toloza, MD, PhD
Fred R. Hirsch, MD, PhD	8:45 - 8:50 am	Thoracic Radiation Session: Megan Daly, MD
lgnacio I. Wistuba MD		,
Chadwick L. Wright MD, PhD	8:50 - 8:55 am	Translational Medicine Session: Philip C. Mack,
Myrna C. Godoy, MD, PhD	8:55 - 9:00 am	Community Engagement Core: Paul J. Hesketh,
Henry Park, MD	0.00 0.05	
Wayne L. Hofstetter, MD	9:00 - 9:05 am	<b>DEI Session:</b> Lucy Gansauer, MSN, RN
	9:05 - 9:13 am	Encore Presentation of the ASCO S1929 Trial -
Wayne L. Hofstetter, MD	Nagla Abdul K	arim, MD, PhD, Professor of Medicine, University of
Raymond Osarogiagbon, MD	-	virector of Phase I Trials, Inova Schar Cancer Center
Shirish Gadgeel, MD (Early Therapeutics)		
Ross Camidge, MD	9:13 - 9:21 am	Evolution of Biomarkers for SCLC and New Stud
Karen Reckamp, MD		arna Sen, PhD, Associate Professor of Oncological
ent:Paul J. Hesketh, MD		Co-Director, Lung Cancer PDX Program, Icahn Schoo
Suzanne Cole, MD	Medicine at M	ount Sinai
	9:21 - 9:26 am	S2409 PRISM Trial - Anne Chiang, MD, Associate
Liaison:		edicine and Associate Cancer Center Director, Clinic
Lucy Gansauer, MSN, RN, OCN, CCRP		School of Medicine
Chao H. Huang, MD		
Cheryl M. Czerlanis, MD	9:26 - 9:46 am	Small Cell Lung Cancer: New Frontiers Panel Q8
Amy Johnson, CCRP	Moderator:	Jhanelle E. Gray, MD
Kevin Moralda, BS	Panelists:	Nagla Abdul Karim MD PhD
Larry Kaye	ranensts:	Nagla Abdul Karim, MD, PhD
Louise Highleyman, BA		Sonam Puri, MD
Pasarlai Ahmadzai, MD, MPH		Triparna Sen, PhD
oject Manager:TBD		Anne Chiang, MD
essionals:		Shakun Malik, MD
TBD		David MacPherson, PhD
Rosalie Zablocki, RN		
Lisa G. Davis, RN		

Patient Advocate:	Judy Johnson, MBA
Pharmaceutical Science:	Joyce Lee, PharmD
	Safae Ghouraichi, PharmD
Protocol Project Managers:	Justine Trevino
	Jennifer Beeler (Lung-MAP)
Clinical Trials Program Manager:	Mariah Norman, MS

#### Agenda

8:35 - 8:40 am	Patient Advocate Update: Judy Johnson, MBA							
8:40 - 8:45 am	Thoracic Surgery Session: Eric Toloza, MD, PhD							
8:45 - 8:50 am	Thoracic Radiation Session: Megan Daly, MD							
8:50 - 8:55 am	Translational Medicine Session: Philip C. Mack, PhD							
8:55 - 9:00 am	Community Engagement Core: Paul J. Hesketh, MD							
9:00 - 9:05 am	<b>DEI Session:</b> Lucy Gansauer, MSN, RN							
9:05 - 9:13 am	Encore Presentation of the ASCO S1929 Trial -							
Nagla Abdul Karim, MD, PhD, Professor of Medicine, University of								

**Evolution of Biomarkers for SCLC and New Study** na Sen, PhD, Associate Professor of Oncological o-Director, Lung Cancer PDX Program, Icahn School of unt Sinai



#### 9:46 - 10:18 am Thoracic Medical Oncology: Jhanelle Gray, MD

<u>S2302</u>, "Project Pragmatica-Lung Trial." Dr. Karen Reckamp. Activated: 3/6/23; Accrual Goal: 700; Accrual: 345

<u>LUNGMAP</u>, "A Master Protocol to Evaluate Biomarker-Driven Therapies and Immunotherapies in Previously-Treated Non-Small Cell Lung Cancer (Lung- Map Screening Study)." Drs. Karen Reckamp and David Gandara (SWOG). Activated: 1/28/19; Accrual Goal: 6000; Accrual: 3303.

S1900E, "A Phase II Study of Sotorasib (AMG 510) in Participants with Previously Treated Stage IV or Recurrent KRAS G12C Mutated Non-Squamous Non-Small Cell Lung Cancer (ECOG-ACRIN LUNG-MAP SUB-STUDY)." Dr. Karen Reckamp (SWOG). Dr. Suki Padda and Dr. David Gerber (ECOG). Activated: 4/2/21; Accrual Goal: 116; Accrual: 228.

<u>S1900G</u>, "A Randomized Phase II Study of Capmatinib plus Osimertinib (Tagrisso) with or without Ramucirumab in Participants with EGFR-Mutant, MET-Amplified Stage IV or Recurrent Non-Small Cell Lung Cancer (Lung- MAP Sub-Study)". Dr. Sarah Goldberg and Dr. Ross Camidge (SWOG). Activated: 4/3/23; Accrual Goal: 66 (60 eligible); Accrual: 16.

S1827, "MRI Brain Surveillance Alone Versus MRI Surveillance and Prophylactic Cranial Irradiation (PCI): A Randomized Phase III Trial in Small- Cell Lung Cancer (MAVERICK)." Dr. Chad Rusthoven (SWOG). Activated: 1/10/20; Accrual Goal: 668; Accrual: 202.

<u>S1933</u>, "A Pilot Trial of Hypofractionated Radiotherapy Followed by Atezolizumab Consolidation in Stage II or III NSCLC Patients with Borderline Performance Status." Dr. Raid Aljumaily (SWOG). Activated: 6/15/20; Accrual Goal: 47; Accrual: 35.

<u>S1914</u>, "A Randomized Phase III trial of Induction/Consolidation Atezolizumab +SBRT versus SBRT Alone in High risk, Early Stage NSCLC." Dr. Megan Daly (SWOG). Activated: 3/25/20; Accrual Goal: 480; Accrual: 322.

EA5163/S1709, "INSIGNA: A Randomized, Phase III Study of Firstline Immunotherapy alone or in Combination with Chemotherapy in Induction/Maintenance or Post-progression in Advanced Nonsquamous Non- Small Cell Lung Cancer (NSCLC) with Immunobiomarker SIGNature-driven Analysis." Dr. Anne Chiang (SWOG). Activated: 2/28/19; Accrual Goal: 600; Accrual: 558 total: 83.

#### **Active Studies**

- **LUNGMAP**, "A Master Protocol to Evaluate Biomarker-Driven Therapies and Immunotherapies in Previously-Treated Non-Small Cell Lung Cancer (Lung-MAP Screening Study)." Drs. Borghaei, Reckamp, Gandara, et al. Activation: 1/28/19.
- **S1900E**, "A Phase II Study of Sotorasib (AMG 510) in Participants with Previously Treated Stage IV or Recurrent KRAS G12C Mutated Non-Squamous Non-Small Cell Lung Cancer (ECOG-ACRIN Lung-MAP Sub-Study)." Drs. Padda and Gerber. Activation: 4/2/21.
- **S1900G**, "A Randomized Phase II Study of INC280 (capmatinib) plus Osimertinib with or without Ramucirumab in Participants with EGFR-Mutant, MET-Amplified Stage IV or Recurrent Non-Small Cell Lung Cancer (Lung-MAP Sub-Study)." Drs. Goldberg and Camidge. Activation: 4/3/23.
- **S1900K**, "A Randomized Phase II Study of Tepotinib with or without Ramucirumab in Participants with MET Exon 14 Skipping Positive Stage IV or Recurrent Non-Small Cell Lung Cancer (Lung-MAP Sub-Study)." Drs. Paik and Le. Activation: 12/18/23.
- **S1701**, "A Randomized Phase II Trial of Carboplatin-Paclitaxel with or without Ramucirumab in Patients with Unresectable Locally Advanced, Recurrent, or Metastatic Thymic Carcinoma." Drs. Tsao and Koczywas. Activation: 8/9/18.
- **S1827**, "MRI Brain Surveillance Alone Versus MRI Surveillance and Prophylactic Cranial Irradiation (PCI): A Randomized Phase III Trial in Small-Cell Lung Cancer (MAVERICK)." Drs. Rusthoven, Brown, Wefel, et al. Activation: 1/10/20.
- <u>\$1914</u>, "A Randomized Phase III Trial of Induction/Consolidation Atezolizumab (NSC #783608) + SBRT versus SBRT Alone in High Risk, Early Stage NSCLC." Drs. Daly, Simone, Kelly, et al. Activation: 3/25/20.
- <u>\$1933</u>, "A Pilot Study of Hypofractionated Radiotherapy Followed by Atezolizumab Consolidation in Stage II or III NSCLC Patients with Borderline Performance Status." Drs. Aljumaily, Mitin, and Wozniak. Activation: 6/15/20.
- **S2302**, "PROJECT PRAGMATICA: A Prospective Randomized Study of Ramucirumab (NSC 749128) Plus Pembrolizumab (MK-3475; NSC 776864) Versus Standard of Care for Participants Previously Treated With Immunotherapy for Stage IV or Recurrent Non-small Cell Lung Cancer in Standard Practice." Drs. Reckamp and Dragnev. Activation: 3/6/23.



- CTSU/EA5163/S1709, "INSIGNA: A Randomized, Phase III Study of Firstline Immunotherapy Alone or in Combination with Chemotherapy in Induction/Maintenance or Postprogression in Advanced Nonsquamous Non-Small Cell Lung Cancer (NSCLC) with Immunobiomarker SIGNature-driven Analysis." Dr. Chiang. Activation: 2/28/19.
- CTSU/A081801, "Integration of Immunotherapy into Adjuvant Therapy for Resected NSCLC: ALCHEMIST Chemo-IO (ACCIO)." Dr. Gray. Activation: 6/3/20.
- CTSU/A151216, "Adjuvant Lung Cancer Enrichment Marker Identification and Sequencing Trial (ALCHEMIST)." Dr. Gandara. Activation: 8/18/14.
- CTSU/E4512, "A Randomized Phase III Trial for Surgically Resected Early Stage Non-Small Cell Lung Cancer: Crizotinib Versus Observation for Patients with Tumors Harboring the Anaplastic Lymphoma Kinase (ALK) Fusion Protein." Dr. Li. Activation: 8/18/14.
- CTSU/EA5181, "Randomized Phase III Trial of MEDI4736 (Durvalumab) as Concurrent and Consolidative Therapy or Consolidative Therapy Alone for Unresectable Stage 3 NSCLC." Dr. Harkenrider. Activation: 4/9/20.
- CTSU/EA5182, "Randomized Phase III Study of Combination AZD9291 (Osimertinib) and Bevacizumab Versus AZD9291 (Osimertinib) Alone as First-Line Treatment for Patients with Metastatic EGFR-Mutant Non-Small Cell Lung Cancer (NSCLC)." Dr. Goldberg. Activated:10/22/20.
- CTSU/EA5191, "A Randomized Phase II Trial of Cabozantinib and Cabozantinib Plus Nivolumab Versus Standard Chemotherapy in Patients with Previously Treated Non-Squamous NSCLC." Dr. Massarelli. Activated: 5/22/20.
- CTSU/NRG-LU002, "Maintenance Systemic Therapy versus Local Consolidative Therapy (LCT) Plus Maintenance Systemic Therapy for Limited Metastatic Non-Small Cell Lung Cancer (NSCLC): A Randomized Phase II/III Trial." Dr. Gomez. Activation: 4/7/17; Temporary closure: 11/12/21.
- CTSU/NRG-LU005, "Limited Stage Small Cell Lung Cancer (LS-SCLC): A Phase III Randomized Study of Chemoradiation Versus Chemoradiation Plus Atezolizumab." Dr. Hsu. Activation: 5/28/19; Closed to US and Canadian sites 6/23/22.
- CTSU/NRG-LU007, "Randomized Phase II/III Trial of Consolidation Radiation + Immunotherapy for ES-SCLC: RAPTOR Trial." Dr. Park. Activated: 8/17/20.

#### **Closed Studies**

CTSU/NRG-CC003, "Randomized Phase II/III Trial of Prophylactic Cranial

- Irradiation with or without Hippocampal Avoidance for Small Cell Lung Cancer." Dr. Gaspar. Activation: 12/7/15; Temporary closure: 5/28/20; Reactivation: 7/27/20; Permanent closure: 6/21/22.
- S1800A," A Phase II Randomized Study of Ramucirumab Plus Pembrolizumab (MK-3475) Versus Standard of Care for Patients Previously Treated with Immunotherapy for Stage IV or Recurrent Non-Small Cell Lung Cancer (Lung-MAP Non-Matched Sub-Study)." Drs. Reckamp and Dragnev. Activation: 5/17/19. Permanently closed: 10/20/20.
- S1800D, "A Phase II/III Study of N-803 (ALT-803) plus Pembrolizumab versus Standard of Care in Participants with Stage IV or Recurrent Non-Small Cell Lung Cancer Previously Treated with Anti-PD-1 or Anti-PD-L1 Therapy (Lung-MAP Non-Match Sub-Study)." Drs. Wrangle and Husain. Activation: 2/15/22. Permanently closed: 3/10/23.
- **S1900A**, "A Pase II Study of Rucaparib in Patients with Genomic LOH High and/or Deleterious BRCA1/2 Mutation Stage IV or Recurrent Non-Small Cell Lung Cancer (LUNG-MAP Sub-Study)." Drs. Riess and Wheatley-Price. Activation: 1/28/19. Permanently closed: 2/2/21.
- **S1900B**, "A Phase II Study of Selpercatinib (LOXO-292) in Patients with RET Fusion-Positive Stage IV or Recurrent Non-Small Cell Lung Cancer (LUNG-MAP Sub-Study)." Drs. Elamin and Gray. Activation: 2/10/20. Permanently closed: 5/1/21.
- **S1900C**, "A Phase II Study of Talazoparib Plus Avelumab in Patients with Stage IV or Recurrent Non-Squamous Non-Small Cell Lung Cancer Bearing Pathogenic STK11 Genomic Alterations (LUNG-MAP Sub-Study)." Drs. Skoulidis and Suga. Activation: 1/16/20. Permanently closed: 12/18/20.
- **S1900F**, "A Randomized Phase II Study of Carboplatin and Pemetrexed with or Without Selpercatinib (LY3527723) in Participants with Non-Squamous RET Fusion-Positive Stage IV Non-Small Cell Lung Cancer and Progression of Disease on Prior RET Directed Therapy (Lung-MAP Sub-Study)." Drs. Gray and Elamin. Activation: 7/25/22. Permanently closed: 6/27/23.
- **S1929**, "Phase II Randomized Study of Maintenance Atezolizumab Versus Atezolizumab in Combination with Talazoparib in Patients with SLFN11 Positive Extensive Stage Small Cell Lung Cancer (ES-SCLC)." Drs. Karim, Reckamp, Gay, et al. Activation: 6/15/20; Step 1 Registration Permanently Closed 8/15/22; Step 2 Permanently Closed 10/15/22.
- **S1934**, "NASSIST (Neoadjuvant Chemoradiation +/- Immunotherapy Before Surgery for Superior Sulcus Tumors): A Randomized Phase II Trial of



Trimodality +/- Atezolizumab in Resectable Superior Sulcus Non-Small Cell Lung Cancer." Drs. Osarogiagbon, Huang, Decker, et al. Activation: 9/9/21; Temporary closure: 11/5/21; Reactivation: 2/15/22; Permanently closed 3/1/23.

#### **NCI-Approved Concepts**

- **S1900J**, "A Phase II Study of Amivantamab-vmjw in Participants with MET Amplification-Positive Stage IV or Recurrent Non-Small Cell Lung Cancer (Lung-MAP Sub-Study)." Drs. Rolfo and Gadgeel.
- **S1800E**, "A Randomized Phase II/III Study of Docetaxel and Ramucirumab with or without Cemiplimab for Participants Previously Treated with Platinum-based Chemotherapy and Immunotherapy for Stage IV or Recurrent Non-Small Cell Lung Cancer (Lung-MAP Non-Matched Sub-Study)." Drs. Waqar and Li.
- **S2313**, "Neoadjuvant chemo-durvalumab for clinical stage I, 2-3.9cm, non-small cell lung cancer: a randomized controlled trial." Drs. Gibney and Wrangle.
- **S2404**, "Accelerating Drug Efficacy Evaluation thru Growth Rate and Overall Survival Correlations" Dr. Lawrence Schwartz and Dr. Karen Reckamp.

#### **Concepts in Development**

- <u>\$1900M</u>, "A Randomized Phase II Study of Trastuzumab Deruxtecan (T-DXd) in Participants with HER2 Wild-Type, HER2 (ERBB2) Amplified Stage IV or Recurrent Non-Small Cell Lung Cancer (Lung-MAP Sub-Study)." Drs. Saltos and Doroshow.
- **52409**, "PRISM: A Multicohort PRecIsion SCLC Subtype Maintenance Phase II Trial of Durvalumab Versus Biomarker-Directed Novel Agents in Combination with Durvalumab in Extensive Stage Small Cell Lung Cancer (ES-SCLC)." Drs. Chiang and Chiappori.
- **S2410**, "A randomized phase II study of a PDL1 inhibitor and iadademstat (ORY-1001) versus investigator's choice of standard of care for second line treatment of extensive stage small cell lung cancer (SCLC)." Drs. Santana-Davila and Puri.
- **S2414**, "Incorporating Pathologic Response in Patients with Early Stage Lung Cancer to Optimize Immunotherapy in the Adjuvant Setting (INSIGHT)." Drs. Cetnar and Osarogiagbon.

#### **Publications**

The publications listed below were received by the Group Chair's Office as published (including online), accepted, or submitted since the SWOG Fall

2023 Group Meeting. Conference abstracts are not included.

Because of journal embargo policies, journal names are ommitted for submitted or accepted manuscripts.

#### **Published/Accepted Manuscripts**

LUNGMAP Representativeness of Patients Enrolled in the Lung Cancer Master Protocol (Lung-MAP). Vaidya R, Unger J, Qian L, Minichiello K, Herbst R, Gandara D, Neal J, Leal T, Patel J, Dragnev K, Waqar S, Edelman M, Sigal E, Adam S, Malik S, Blanke C, LeBlanc M, Kelly K, Gray J, Redman M. JCO Precision Oncology Sep;7:e2300218, 2023. https://pubmed.ncbi.nlm.nih.gov/37677122/

LUNGMAP Novel Approach to Accelerate Lung Cancer Research:
LungMap and the Potential of Public-Private Partnerships. Herbst RS,
Blanke CD, Sigal E. <u>Clinical Cancer Research</u> Oct 30. doi: 10.1158/1078-0432.CCR-23-2690. Online ahead of print, 2023.
<a href="https://pubmed.ncbi.nlm.nih.gov/37903180/">https://pubmed.ncbi.nlm.nih.gov/37903180/</a>

associated with benefit from immunotherapy for advanced squamous cell lung cancer patients from the phase III SWOG Lung-MAP S14001 trial . Clinical Cancer. Parra E, Duose D, Zhang J, Redman M, Lazcano Segura R, Marques-Puibelli M, Fernandez C, Zhang B, Lindsay J, Moravec R, Kannan K, Luthra R, Al-atrash G, Herbst R, Wistuba I, Gettinger S, Bazhenova L, Lee J, Zhang J, Haymaker C, Manyam G, Zhang J, Song X, Rojas F, Taing L, Jhaveri A, Geisberg J, Altreuter J, Michor F, Van Nostrand D, Provencher J, Yu J, Cerami E, Huang H, Xie H, Patel M, Nie K, Harris J, Argueta K, Biswas R, Kim-Schulze S, Kelly K, Gnjatic S. Clinical Cancer Research Jan 26. doi: 10.1158/1078-0432.CCR-23-0251. Online ahead of print., 2024.

https://pubmed.ncbi.nlm.nih.gov/38277235/

#### **Submitted Manuscripts**

- <u>S0819</u> External validation of a novel computed tomography-based prognostic radiomic signature in patients with metastatic non-small cell lung cancer:correlative analysis of SWOG S0819 phase III randomized trial. Dercle L, Gomez D, Zhao B, Hama J, Kelly K, Redman M, Gandara D, Schwartz L, Gray JE. Submitted, 2023.
- S1400 Lung-MAP Next Generation Sequencing Analysis of Advanced Squamous Cell Lung Cancers (SWOG S1400). Kozono D, Hua X, Wu M, Tolba K, Waqar S, Dragnev K, Cheng H, Hirsch FR, Mack P, Gray JE, Kelly K, Borghaei H, Herbst RS, Gandara DR, Redman M. Submitted, 2024.



	LUNGMAP	51701	51800D	51827	51900E	51900G	51914	51929	51933	52302	108180A
Ascension Providence Hospitals - Southfield	13	-	-	-	-	-	-	3	-	-	-
Ascension Via Christi Hospitals Wichita	1	-	_	-	-	-	_	-	-	-	_
Banner MD Anderson Cancer Center	-	-	_	1	-	-	_	-	-	-	1
Banner University Medical Center - Tucson	-	-	_	-	-	-	_	-	-	2	_
Baptist Mem Health Care/Mid South MU-NCORP	35	_	_	2	1	-	7	2	-	7	4
Baylor College of Medicine/Duncan CCC	-	-	_	2	_	-	_	-	-	-	_
Boston Medical Center	-	-	_	5	-	-	_	-	-	-	-
CWRU Case Comprehensive Cancer Center LAPS	11	-	_	-	2	-	_	-	-	2	10
Ca Res Consort of W Mich NCORPP	3	-	_	-	-	-	4	-	-	1	-
Cancer Research for the Ozarks NCORP	34	-	3	-	-	-	4	2	3	3	_
Ca Res of Wisconsin and N Mich Consort	27	-	2	_	4	-	4	-	-	-	_
Carle Cancer Center NCORP	3	1	-	1	1	-	6	-	-	4	_
Cedars-Sinai Medical Center	17	-	_	-	1	-	1	-	-	6	-
City of Hope Comprehensive Cancer Center	5	1	_	1	_	_	_	_	-	2	_
Columbia U MU NCORP	11	-		-	_	_	_	_	_	2	_
Columbus NCORP	28	_	_	4	_	_	_	_	_	_	_
CommonSpirit Health Research Institute	39	-		-	_	_	1	1	_	_	_
Cotton O'Neil CC / Stormont Vail HIth	-	_	_	_	_	_	_	-	_	_	_
Dayton NCORP	2	-		-		_	-	2	_	-	1
Essentia HIth NCORP	16	_	2	_		_	3	-	_	_	-
Fred Hutchinson Cancer Research Center LAPS	4	-	_	_		_	_	-		_	
Froedtert & the Med College of Wisconsin LAPS	2	_		_		_	_	_	_	_	_
Georgia Cares Minority Underserved NCORP	6	-	_	1		_	2	3	1	_	
Georgia NCORP	59	_	4	3	1	_	7	-	-	6	
Gulf South Minority Underserved NCORP	22	-	1	1	-	_	3	1	-	4	1
Hawaii Minority Underserved NCORP	27	_	,	1	-	_	,	-	-	1	,
Heartland Cancer Research NCORP	145	-	9	5	5	-	32	19	4	26	-
Henry Ford Hospital	7	-	9	,	J	-	32	19	4	20	2
Houston Methodist Hospital	-	-	-	-	-	-	-	-	-	-	2
Instituto Nacional De Cancerologia de Mexico	-	-	-	2	-	-	-	_	-	-	-
Kaiser Permanente NCORP	86	-	-	-	8	-	2	-	-	13	3
Lahey Hospital and Medical Center	32	-	6	-	0	-	4	1	2	9	3
Loma Linda University Medical Center	6	-	-	-	-	-	-	-	2	-	-
	23	-	1	-	-	-	-	2	-	2	-
Loyola University Medical Center Massachusetts Veterans ERIC			-	3	1	-	-	2	-	2	10
	62	-	3	_		-	-	-	-	_	10
Med U South Carolina MU NCORP	17	-	1	-	1	- 1	-	-	-	6	-
Mercy Medical Center - Des Moines	8	-	-	-	-	-	-	1	-	- 7	-
Michigan Cancer Research Consortium NCORP	107	-	4	2	7	1	9	3	-	7	-
Mission Hospital	1	-	-	-	-	-	-	-	-	-	-
Moffitt Cancer Center	16	2	1	1	1	1	-	-	-	17	17
Montana Cancer Consortium NCORP	25	-	-	-	1	-	-	3	1	-	-
Mount Sinai Hospital	-	-	-	-	-	-	9	1	-	1	-
NCORP of the Carolinas (Prisma Health NCORP)	19	-	-	-	1	-	-	-	-	-	-



	LUNGMAP	51701	5180 <sup>0D</sup>	51827	51900E	51900G	51974	51929	51933	52302	A081801
National Cancer Center-Korea	-	-	-	1	-	-	-	-	-	-	-
Nevada Cancer Research Foundation NCORP	14	-	-	-	-	-	-	1	-	-	-
New Mexico Minority Underserved NCORP	83	-	-	1	2	_	6	5	1	1	-
Northwell Health NCORP	-	-	-	-	-	-	-	-	-	-	1
Northwestern University LAPS	26	1	2	1	_	-	_	4	-	8	-
Oregon Health and Science University	9	-	1	-	_	_	1	-	_	-	7
Pacific Cancer Research Consortium NCORP	17	_	-	_	_	_	-	3	-	-	-
SCL Health Saint Joseph Hospital	1	_	_	_	_	_	1	-	_	_	1
Salem Hospital	4	_	_	_	1	_	-	-	-	_	-
Southeast Clin Onc Res Consort NCORP	51	-	1	7	1	-	9	8	_	1	_
Sutter Cancer Research Consortium	29	_	-	-	1		-	-	_	-	_
The Don and Sybil Harrington Cancer Center	11	-	2	_	-	_	-	_		_	
James Graham Brown CC at U Louisville	-	-	-		_	_	-	-	_	-	_
UC Davis Comprehensive Cancer Center LAPS	37	3	6	1	-	1	11	2	_	5	-
·	26		O	1	-	,	4	-	-	1	-
UC Irvine Hlth/Chao Family CCC	14	-	-	-	1	-	-	-	-	- 1	-
UC San Diego Moores Cancer Center		-	-		1	-			-	-	-
UPMC Hillman Cancer Center LAPS	66	-	5	8	6	-	-	3	3	9	-
USC Norris Comprehensive Cancer Center LAPS	-	-	-	5	-	-	5	-	-	-	-
U of Alabama at Birm/Deep South Res Cnsrt LAPS		-	-	-	-	-	-	-	-	8	-
University of Arkansas for Medical Sciences	11	-	1	-	-	-	11	-	-	2	-
U of Cincinnati Cancer Cntr-UC Medical Cntr	-	-	-	-	-	-	-	-	-	-	-
University of Colorado Cancer Center LAPS	13	-	-	4	-	-	4	2	-	2	2
U Kansas CC - MCA Rural MU NCORP	93	-	1	1	1	-	-	-	-	1	1
University of Kentucky/Markey Cancer Center	50	-	-	1	-	-	-	-	-	3	-
U Michigan Comprehensive Cancer Center LAPS	1	-	-	-	-	-	-	-	-	2	-
University of Mississippi Medical Center	1	-	-	-	-	-	-	-	-	-	-
U of Oklahoma Health Sciences Center LAPS	33	-	-	1	-	-	3	2	11	2	-
University of Rochester LAPS	65	-	2	-	6	-	3	-	-	8	-
U Texas HSC at San Antonio	-	-	-	-	-	-	-	1	-	6	-
U Texas MD Anderson CC LAPS	3	6	-	3	-	-	1	4	-	-	-
U Utah - Huntsman Ca Inst LAPS	-	-	-	3	-	-	3	1	-	1	-
Upstate Carolina NCORP	38	-	-	-	-	-	2	-	-	-	-
Vanderbilt U - Ingram Cancer Center LAPS	-	-	-	-	-	-	-	-	-	1	-
Wayne State U - Karmanos Ca Inst LAPS	1	-	-	-	-	-	-	-	-	-	-
Western States Cancer Research NCORP	2	-	-	-	-	-	-	-	-	-	-
William Beaumont Hospital-Royal Oak	-	-	-	-	-	-	-	-	-	-	-
Wisconsin NCORP	40	-	-	1	1	-	9	-	-	2	-
Yale University - Yale Cancer Center LAPS	25	-	-	4	3	1	8	-	-	10	6
ALLIANCE	790	3	15	16	21	2	30	9	5	31	-
ССТБ	-	-	-	23	-	-	-	-	-	-	-
ECOG-ACRIN	349	3	5	7	18	-	23	10	-	15	-
NRG	427	1	4	61	12	1	68	6	1	15	-
Total	3,249	21	82	185	109	8	300	106	32	257	67



	A082002	A151216	A171901	E4512	EA5162	EA5163	EA5181	EA5182	EA5191	NRGLU002	NRGLU005
Ascension Providence Hospitals - Southfield	-	15	-	1	1	2	3	-	1	-	-
Ascension Via Christi Hospitals Wichita	-	-	-	-	-	-	-	-	-	-	-
Banner MD Anderson Cancer Center	-	1	-	-	-	-	-	-	-	-	2
Banner University Medical Center - Tucson	-	7	-	2	-	-	10	-	-	-	1
Baptist Mem Health Care/Mid South MU-NCORP	-	26	-	-	-	1	1	2	-	1	4
Baylor College of Medicine/Duncan CCC	-	-	-	-	-	-	-	-	-	-	-
Boston Medical Center	-	3	-	-	-	-	2	-	-	-	-
CWRU Case Comprehensive Cancer Center LAPS	-	54	-	-	-	17	21	1	4	-	-
Ca Res Consort of W Mich NCORPP	-	1	-	-	-	-	-	-	-	-	-
Cancer Research for the Ozarks NCORP	-	1	-	-	-	-	-	-	-	-	-
Ca Res of Wisconsin and N Mich Consort	-	-	-	-	-	-	-	-	-	-	-
Carle Cancer Center NCORP	-	-	-	-	-	-	-	-	-	-	-
Cedars-Sinai Medical Center	-	-	-	-	-	-	-	-	-	-	-
City of Hope Comprehensive Cancer Center	-	5	-	-	-	-	-	-	-	-	-
Columbia U MU NCORP	-	-	-	-	-	-	1	-	-	-	-
Columbus NCORP	-	-	-	-	-	-	-	-	-	-	-
CommonSpirit Health Research Institute	-	2	-	-	-	-	-	-	-	-	-
Cotton O'Neil CC / Stormont Vail HIth	-	3	-	-	-	-	-	-	-	-	-
Dayton NCORP	-	8	-	-	-	-	-	-	-	-	-
Essentia Hlth NCORP	-	-	-	-	-	-	-	-	-	-	-
Fred Hutchinson Cancer Research Center LAPS	-	15	-	-	-	-	4	-	-	-	-
Froedtert & the Med College of Wisconsin LAPS	-	-	-	-	-	-	-	-	-	-	-
Georgia Cares Minority Underserved NCORP	-	-	-	-	-	-	-	-	-	-	-
Georgia NCORP	-	9	-	-	-	1	-	-	-	-	-
Gulf South Minority Underserved NCORP	-	1	-	-	-	3	-	-	-	-	-
Hawaii Minority Underserved NCORP	-	-	-	-	-	-	1	-	-	-	-
Heartland Cancer Research NCORP	-	-	-	-	-	-	-	-	-	-	-
Henry Ford Hospital	-	29	-	-	-	-	-	-	-	-	-
Houston Methodist Hospital	-	8	-	-	-	1	-	-	-	-	-
Instituto Nacional De Cancerologia de Mexico	-	-	-	-	-	-	-	-	-	-	-
Kaiser Permanente NCORP	-	203	-	5	-	8	-	4	-	-	-
Lahey Hospital and Medical Center	-	30	-	-	-	2	-	-	-	-	-
Loma Linda University Medical Center	-	10	-	-	-	-	-	-	-	-	-
Loyola University Medical Center	-	24	-	-	-	2	2	-	-	-	-
Massachusetts Veterans ERIC	-	31	-	-	-	3	-	-	2	-	-
Med U South Carolina MU NCORP	-	-	-	-	-	-	-	-	-	-	-
Mercy Medical Center - Des Moines	-	-	-	-	-	-	-	-	-	-	-
Michigan Cancer Research Consortium NCORP	-	-	-	-	-	-	-	-	-	-	-
Mission Hospital	-	-	-	-	-	-	-	-	-	-	-
Moffitt Cancer Center	-	83	-	1	-	5	-	-	-	-	-
Montana Cancer Consortium NCORP	-	-	-	-	-	-	-	-	-	-	-
Mount Sinai Hospital	-	-	-	-	-	-	1	1	-	-	1
NCORP of the Carolinas (Prisma Health NCORP)	-	1	-	-	-	-	-	-	-	-	-



	A082002	A151216	A171901	E4572	EA5162	EA5163	EA5181	EA5182	EA5191	NRGLU002	NRGLU005
National Cancer Center-Korea	-	-	-	-	-	_	-	-	-	-	-
Nevada Cancer Research Foundation NCORP	-	-	1	-	-	-	-	-	-	-	-
New Mexico Minority Underserved NCORP	-	-	-	-	-	_	-	-	-	-	-
Northwell Health NCORP	-	3	-	-	-	_	-	-	-	-	-
Northwestern University LAPS	-	-	-	-	-	_	-	-	-	-	-
Oregon Health and Science University	-	23	-	-	-	_	-	-	-	-	-
Pacific Cancer Research Consortium NCORP	-	4	-	-	-	_	-	-	-	-	-
SCL Health Saint Joseph Hospital	-	3	-	-	-	_	-	-	-	-	-
Salem Hospital	-	-	-	-	-	-	-	-	-	-	-
Southeast Clin Onc Res Consort NCORP	-	-	-	-	-	_	-	-	-	-	-
Sutter Cancer Research Consortium	1	11	-	-	-	_	3	-	-	-	-
The Don and Sybil Harrington Cancer Center	_	-	-	-	-	_	-	-	-	-	-
James Graham Brown CC at U Louisville	-	5	-	-	-	_	-	-	-	-	-
UC Davis Comprehensive Cancer Center LAPS	2	44	-	1	-	6	-	1	-	-	-
UC Irvine Hlth/Chao Family CCC	-	15	-	1	-	-	-	-	-	-	-
UC San Diego Moores Cancer Center	-	5	-	-	-	_	-	-	-	-	_
UPMC Hillman Cancer Center LAPS	-	-	_	_	-	-	-	-	-	-	-
USC Norris Comprehensive Cancer Center LAPS	-	12	_	_	-	-	-	-	-	-	-
U of Alabama at Birm/Deep South Res Cnsrt LAPS	-	-	-	_	-	-	-	-	-	-	-
University of Arkansas for Medical Sciences	-	3	-	1	-	1	3	-	_	-	1
U of Cincinnati Cancer Cntr-UC Medical Cntr	-	24	-	1	-	2	-	1	_	-	-
University of Colorado Cancer Center LAPS	_	58	-	2	-	2	-	-	1	-	1
U Kansas CC - MCA Rural MU NCORP	-	31	-	2	-	7	-	-	3	-	2
	-	5	_	-	-	/	-	-	-	_	-
University of Kentucky/Markey Cancer Center		62	-		_	-	-	-	-	-	_
U Michigan Comprehensive Cancer Center LAPS	-	26	-	-	-	-	-	_	-	-	_
University of Mississippi Medical Center		26	-		-	-	1	-	-		-
U of Oklahoma Health Sciences Center LAPS	-	-	-	-	-	-	19	_	-	-	1
University of Rochester LAPS	-	-	-		-	4			-		,
U Texas HSC at San Antonio	-	-	-	-	-	2	-	-	-	-	-
U Texas MD Anderson CC LAPS	-	2	-	1	-	-	-	-	-	-	-
U Utah - Huntsman Ca Inst LAPS	-	-	-	-	-	1	-	-	-	-	-
Upstate Carolina NCORP	-	-	-	-	-	-	-	-	-	-	-
Vanderbilt U - Ingram Cancer Center LAPS	-	-	-	-	-	-	-	-	-	-	-
Wayne State U - Karmanos Ca Inst LAPS	-	1	-	-	-	-	-	-	-	1	-
Western States Cancer Research NCORP	-	1	-	-	-	-	-	-	-	-	-
William Beaumont Hospital-Royal Oak	-	2	-	-	-	-	-	-	-	-	-
Wisconsin NCORP	-	-	-	-	-	-	-	-	-	-	-
Yale University - Yale Cancer Center LAPS	-	56	-	4	-	13	-	-	-	-	-
ALLIANCE	-	-	-	-	-	-	-	-	-	-	-
ССТБ	-	-	-	-	-	-	-	-	-	-	-
ECOG-ACRIN	-	-	-	-	-	-	-	-	-	-	-
NRG	-	-	-	-	-	-	-	-	-	-	-
Total	3	966	1	20	1	81	72	10	11	2	13



	NRGLU006	R1308
Ascension Providence Hospitals - Southfield	-	-
Ascension Via Christi Hospitals Wichita	-	-
Banner MD Anderson Cancer Center	-	-
Banner University Medical Center - Tucson	-	-
Baptist Mem Health Care/Mid South MU-NCORP	-	-
Baylor College of Medicine/Duncan CCC	3	-
Boston Medical Center	-	-
CWRU Case Comprehensive Cancer Center LAPS	-	-
Ca Res Consort of W Mich NCORPP	-	-
Cancer Research for the Ozarks NCORP	-	-
Ca Res of Wisconsin and N Mich Consort	-	-
Carle Cancer Center NCORP	-	-
Cedars-Sinai Medical Center	-	-
City of Hope Comprehensive Cancer Center	-	-
Columbia U MU NCORP	-	-
Columbus NCORP	-	_
CommonSpirit Health Research Institute	-	-
Cotton O'Neil CC / Stormont Vail HIth	-	_
Dayton NCORP	-	-
Essentia HIth NCORP	-	-
Fred Hutchinson Cancer Research Center LAPS	-	-
Froedtert & the Med College of Wisconsin LAPS	-	-
Georgia Cares Minority Underserved NCORP	-	-
Georgia NCORP	-	-
Gulf South Minority Underserved NCORP	-	-
Hawaii Minority Underserved NCORP	-	-
Heartland Cancer Research NCORP	-	-
Henry Ford Hospital	-	_
Houston Methodist Hospital	-	-
Instituto Nacional De Cancerologia de Mexico	_	_
Kaiser Permanente NCORP	_	_
Lahey Hospital and Medical Center	_	_
Loma Linda University Medical Center	_	1
Loyola University Medical Center	_	-
Massachusetts Veterans ERIC	_	_
Med U South Carolina MU NCORP	_	_
Mercy Medical Center - Des Moines	_	_
Michigan Cancer Research Consortium NCORP	_	_
Mission Hospital	_	_
Moffitt Cancer Center	_	_
Montana Cancer Consortium NCORP	-	_
	_	_
Mount Sinai Hospital  NCORP of the Carolinas (Prisma Health NCORP)		
NCORF OF the Carolinas (Frisina nearth NCORF)		

	NRGLU006	R1308
National Cancer Center-Korea	-	-
Nevada Cancer Research Foundation NCORP	-	-
New Mexico Minority Underserved NCORP	-	-
Northwell Health NCORP	-	-
Northwestern University LAPS	-	-
Oregon Health and Science University	-	-
Pacific Cancer Research Consortium NCORP	-	-
SCL Health Saint Joseph Hospital	-	-
Salem Hospital	-	-
Southeast Clin Onc Res Consort NCORP	-	-
Sutter Cancer Research Consortium	-	-
The Don and Sybil Harrington Cancer Center	-	-
James Graham Brown CC at U Louisville	-	-
UC Davis Comprehensive Cancer Center LAPS	-	-
UC Irvine Hlth/Chao Family CCC	-	-
UC San Diego Moores Cancer Center	-	-
UPMC Hillman Cancer Center LAPS	-	-
USC Norris Comprehensive Cancer Center LAPS	-	-
U of Alabama at Birm/Deep South Res Cnsrt LAPS	-	-
University of Arkansas for Medical Sciences	-	-
U of Cincinnati Cancer Cntr-UC Medical Cntr	-	-
University of Colorado Cancer Center LAPS	-	-
U Kansas CC - MCA Rural MU NCORP	-	-
University of Kentucky/Markey Cancer Center	-	-
U Michigan Comprehensive Cancer Center LAPS	-	-
University of Mississippi Medical Center	-	-
U of Oklahoma Health Sciences Center LAPS	-	-
University of Rochester LAPS	-	-
U Texas HSC at San Antonio	-	-
U Texas MD Anderson CC LAPS	-	-
U Utah - Huntsman Ca Inst LAPS	-	-
Upstate Carolina NCORP	-	-
Vanderbilt U - Ingram Cancer Center LAPS	-	-
Wayne State U - Karmanos Ca Inst LAPS	-	-
Western States Cancer Research NCORP	-	-
William Beaumont Hospital-Royal Oak	-	-
Wisconsin NCORP	-	-
Yale University - Yale Cancer Center LAPS	-	-
ALLIANCE	-	-
CCTG	-	-
ECOG-ACRIN	-	-
NRG	-	-
Total	3	1





