

1. Papers Published or In Press

1. Trost BM, Bogdanowitz MJ, Kern JA. New Synthetic Reactions. Geminal and Reductive Alkylations. *J Am Chem Soc*, 97:2218, 1975
2. Kern JA, Daniele RP, Nowell PC. Accessory Cells Provide More than One Signal in Lectin Mitogen-Stimulated Human Lymphocyte Proliferation. *Leukocyte Biol* 1985 Oct, 38:495-507. PMID 3875677
3. Albelda SM, Kern JA, Marinelli DL, Miller WT: The Expanding Spectrum of Pulmonary Disease Caused by Nontuberculous Mycobacteria. *Radiology* 1985 Nov, 157:289. PMID 4048433
4. Taylor DS, Kern JA, Nowell PC: IL-2 Alone is Mitogenic for Tac-Positive Lymphocytes in Human Peripheral Blood. *Immunol* 1986 Mar, 136(5):1620-1624. PMID 3005396
5. Daniele RP, Rossman MD, Kern JA, Elias JA: Pathogenesis of Sarcoidosis: State of the Art. *Chest* 1986 Mar, 89:174-177. PMID 3948578
6. Marinelli DL, Williams T, Albelda SM, Kern JA, Iozzo R, Miller WT: Nontuberculous Mycobacteria in the Acquired Immunodeficiency Syndrome: Clinical, Pathologic, and Radiographic Features. *Radiology* 1983 July2. PMID 3715048
7. Kern JA, Reed JC, Daniele RP, Nowell PC: The Role of the Accessory Cell in Mitogen-Stimulated Human T Cell Gene Expression. *Immunol* 1986 Aug, 137:764-769. PMID 3088109
8. Reed JC, Prystowsky MD, Kern JA, Alpers JD, Nowell PC, Hoover RG: Regulation of Proto-Oncogene Expression During T Lymphocyte Activation and Proliferation. *Adv Exp Med Biol* 1987, 213:249-262. PMID 3498304
9. Cullen MR, Kominsky JR, Rossman MD, Cherniack MG, Rankin JA, Balmes JR, Kern JA, Daniele RP, Palmer L, Naegel GP, McManua K, Cruz R: Chronic Beryllium disease in a Precious Metal Refinery: Clinical Epidemiologic and Immunologic Evidence for Continuing Risk from Exposure to Low Level Beryllium Fume. *Am Rev Respir Dis* 1987 Jan, 135(1):201-208. PMID 3492158
10. Ferro TJ, Kern JA, Elias JA, Kamoun M, Daniele RP, rossman MD: Alveolar Macrophages, Blood Monocytes, and Density-Fractionated Alveolar Macrophages Differ in Their Ability to Promote Lymphocyte Proliferation to Mitogen and Antigen. *Am Rev Respir Dis* Mar, 135(3):682-7. PMID 3493720
11. Kern JA, Lamb RJ, , Reed JC, Elias JA, and Daniele RP. Interleukin-1-Beta Gene Expression in Human Monocytes and Alveolar Macrophages from Normal Subjects and Patients with Sarcoidosis. *Am Rev Respir Dis* 1988 May, 137:1180-1184. PMID 3264123
12. Kern JA, Lamb RJ, Reed JC, Daniele RP, and Nowell PC. Dexamethasone Inhibition of Interleukin-1-Beta Production by Human Monocytes: Post-Transcriptional Mechanisms. *J Clin Invest* 1988 Jan, 81:237-244. PMID 3257219, PMC 442499
13. Modiano JF, Kelepouris E, Kern JA, and Nowell PC. Requirement for Extracellular Calcium or Magnesium in Mitogen-Induced Activation of Human Peripheral Blood Lymphocytes Cells. *J Cell Physiol* 1988 Jun, 135:451-458. PMID 3135293

14. Rossman MA, Kern JA, Elias JA, Cullen MR, Epstein PE, Preuss OP, Markham TN, and Daniele RP. Proliferative Response of Bronchoalveolar Lymphocytes to Beryllium. *Ann Intern Med* 1988 May, 108:687-693. PMID 3282464
15. Elias JA, Trinchieri G, Beck JM, Simon PL, Sehgal PB, May LT, and Kern JA. A Synergistic Interaction of IL-6 and IL-1 Mediates the Thymocyte-Stimulating Activity Produced by Recombinant IL-1-Stimulated Fibroblasts. *J Immunol* 1989 Jan 15, 142:509-514. PMID 2783439
16. Albelda SM, Elias JA, Levine EM, and Kern JA. Endotoxin Stimulates Platelet-Derived Growth Factor Production from Cultured Human Pulmonary Endothelial Cells. *Am J Physiol (Cell)* 1989 Aug, 257: L65-L70. PMID 2764117
17. Benniselli JL, Elias JA, Kern JA, and Guerry D. Production of Interleukin-1 Activity by Cultured Human Melanoma Cells. *Cancer Res* 1989 Feb, 49:930-935. PMID 2783559
18. Elias JA, Trinchieri G, Simon P, and Kern JA. Interleukin-6 as a Fibroblast Derived Stimulator: Evidence for Direct Effects and Synergy With Interleukin-1. *Ann NY Acad Sci* 1989, 557:555-557
19. Elias JA, Reynolds MM, Kotloff RM, and Kern JA: Fibroblast Interleukin 1 Beta: Synergistic Stimulation by Recombinant Interleukin 1 and Tumor Necrosis Factor and Post-Transcriptional Regulation. *Proc Natl Acad Sci* 1989 Aug, 86:6171-6175. PMID 2788284, PMC 297799
20. Weiner DB, Nordberg JA, Nowell PC, Robinson RA, Gazdar A, Greene MI, Williams WV, Cohen JA, and Kern JA. Expression of the *neu* Gene Encoded Protein (p185<sup>neu</sup>) in Human Non-Small Cell Carcinomas of the Lung. *Cancer Res* 1990, 50:421-425. PMID 1967224
21. Elias JA, Freundlich B, Kern JA, and Rosenbloom J.: Cytokine Networks in the Regulation of Inflammation and Fibrosis in the Lung. *Chest* 1990, 97:1439-1445. PMID 2112081
22. Kern JA, Schwartz DA, Nordberg JE, Weiner DB, Greene MI, Torney L, Robinson RA. P185<sup>neu</sup> Expression in Human Adenocarcinomas Predicts Shortened Survival. *Cancer Res* 1990 Aug 15, 50:5184-7. PMID 1974168
23. Kesavan P, Das P, Kern J, and Das M. Regulation of Stability and Synthesis of EGF-Receptor mRNAs Encoding for Intact and Truncated Receptor Forms. *Oncogene* 1990, 5:483-488. PMID: 2326077
24. Kern JA, Robinson RA, Gazdar A, Torney L, and Weiner DB. Mechanisms of p185<sup>HER2</sup> Expression in Human Non Small Cell Lung Cancer Cell Lines. *Am J Respir Cell Mol Biol* 1992 Apr, 6:359-363. PMID 1312850
25. Shammass NW, Sharma T, Stuhlmuller JE, Kern JA, Kerber RE, Bonsib SM, Landas S., and Vandenberg BF. Attachment of a Tricuspid Valve Vegetation to the Chiari Network. *Video J. Echocardiography* 1992, 2(1):21-25.
26. Kern JA, and Filderman A. Oncogenes and Growth Factors in Human Lung Cancer. *Clin Chest Med* 1993, 14(1):31-41. PMID 8462246
27. Moseley PL, Wallen ES, McCafferty JD, Flanagan S., and Kern JA. Heat Stress Regulates the Human 70-kDa Heat-Shock Gene Through the 3'-Untranslated Region. *Am J Physiol* 1993 June, 264(6 Pt1) L533-L537. PMID 8333545

28. Kern JA, Torney L, Weiner D, Gazdar A, Shepard HM and Fendly B. Inhibition of Human Lung Cancer Cell Line Growth by an Anti-p185<sup>HER2</sup> Antibody. *Am J Resp Cell Mol Biol* 1993 Oct 9, (4):448-454. PMID 8104437
29. Kern J, Slebos R, Top B, Rodenhuis S., Lager D, Robinson R, Weiner D, and Schwartz D. *c-erbB-2* Expression and Codon 12 *K-ras* Mutations Both Predict Shortened Survival for Patients with Pulmonary Adenocarcinomas. *J Clin Invest* 1994, 93:516-520. PMID 7906694, PMC 293872
30. Lang JA, Gongyu Y, Kern JA, and Sigmund CD. Endogenous Human Renin Expression and Promoter Activity in a CALU-6, a Pulmonary Carcinoma Cell Line. *Hypertension* 1995, 25(2):4, 704-710. PMID 7721420
31. Zeiher BG, Gross TJ, Kern JA, Lanza LA, and Peterson MW. Predicting Postoperative Pulmonary Function in Patients Undergoing Lung Resection. *Chest* 1995, 108:68-72. PMID 7606994
32. Goebel EA, Davidson BL, Zabner J, Graham SM, Kern JA. Adenovirus-Mediated Gene Therapy for Head and Neck Squamous Cell Carcinomas. *Ann of Otolaryngology, Rhinology & Laryngology* 1996 July, 105:562-567. PMID 8678435
33. Jagielo PJ, Thorne PS, Kern JA, Quinn TJ, and Schwartz DA. Role of Endotoxin in Grain Dust-Induced Lung Inflammation in Mice. *AJP-Lung* 1996, 207:L1052-L1059. PMID 8764232
34. Kern JA. The Cell Cycle. *J Lab Clin Med* 1996, 128:349-361. [http://dx.doi.org/10.1016/S0022-2143\(96\)80004-7](http://dx.doi.org/10.1016/S0022-2143(96)80004-7)
35. Kern JA, Warnock LJ, McCafferty JD. The 3' Untranslated Region of IL-1 $\beta$  Regulates Protein Production. *J Immun* 1997 Feb, 158:1187-1193. PMID 9013958
36. Foster B, and Kern JA. HER2-Targeted Gene Transfer. *Hum Gene Ther* 1997 Apr, 8:(6)719-727; PMID 9113511
37. Goebel EA, Davidson BL, Graham SM, and Kern JA. Tumor Reduction *In Vivo* After Adenoviral-Mediated Gene Transfer of the Herpes Simplex Virus Thymidine Kinase Gene and Ganciclovir Treatment in Human Head and Neck Squamous Cell Carcinoma. *J Otolaryn Head and Neck Surg* 1998, 119(4):331-336. PMID 9781985
38. Kim Y-C., Park K-O., Kern, JA, Park C-S, Lim S-C, Jang A-S, Yang J-B. 'The interactive effect of Ras, HER2, p53, and BCL-2 Expression in Predicting the Survival of Non-Small Cell Lung Cancer Patients. *Lung Cancer* 1998, 22:181-190. PMID 10048471
39. Graziano SL, Kern J, Herndon II, JE, Tatum A, Brisson M, Memoli V, Sugarbaker D, Skarin A, Kreisman H, and Green M. Analysis of Neuroendocrine Markers, HER2 and CEA Before and After Chemotherapy in Patients with Stage IIIA Non-Small Cell Lung Cancer: A Cancer and Leukemia Group B Study. *Lung Cancer* 1998, 21:203-211. PMID 9857998
40. Kern JA, Wakita R, Sliwkowski MX. Neuregulin receptor-mediated gene transfer by human epidermal growth factor receptor 2-targeted antibodies and neuregulin-1. *Cancer Gene Ther* 1999 Nov-Dec; 6(6):537-45. PMID 10608350
41. Nguyen B, Stanford W, Thompson B, Rossi N, Kernstine K, Kern J, Robinson R, Amorosa J, Mammone J, and Outwater E. Multicenter Clinical Trial of Ultrasmall Superparamagnetic Iron Oxide

in the Evaluation of Mediastinal Lymph Nodes in Patients with Primary Lung Carcinoma. *J Magn Reson Imag*, 1999 Sep, 10(3):468-7. PMID 10508310

42. Kernstine KH, Stanford W, Mullan BF, Rossi NP, Thompson BH, Bushnell DL, McLaughlin KA, Kern JA. PET, CT, and MRI with Combidex for mediastinal staging in non-small cell lung carcinoma. *Ann Thorac Surg* 1999 Sep, 68(3):1022-8. PMID 10510001
43. Ridgway JB, Ng E, Kern JA, Lee J, Brush J, Goddard A, and Carter P. Identification of a Human Anti-CD55 Single-Chain Fv by Subtractive Panning of a Phage Library Using Tumor and Nontumor Cell Lines. *Cancer Research* 1999, 59:2718-2723. PMID 10363997
44. Mehdi, S.A., Tatum AH, Newman NB, Gamble GP, Ezzell JE, Weidner N, Kern JA, Sorscher SM, Kohman LJ, and Graziano SL. "Prognostic markers in resected stage I and II non-small cell lung cancer: an analysis of 260 patients with 5 year follow-up." *Clinical Cancer Research* 1999, 1:59-67.
45. Patel NV, Acarregui MJ, Snyder JM, Klein JM, Sliwkowski MX, Kern JA. Neuregulin-1 and human epidermal growth factor receptors 2 and 3 play a role in human lung development in vitro. *Am J Respir Cell Mol Bio* 2000 Apr, 22(4):432-40. PMID 10745024
46. Tepper J, Pfeiffer J, Aldrich M, Tumas D, Kern J, Hoffman E, McLennan G, Hyde D. Can retinoic acid ameliorate the physiologic and morphologic effects of elastase instillation in the rat? *Chest* 2000 May, 117(5 Suppl 1):242S-4S. PMID 10843928
47. Kusiak A, Kern JA, Kernstine KH, Tseng BT. Autonomous decision-making: a data mining approach. *IEEE Trans Inf Technol Biomed* 2000 Dec;4(4):274-84. PMID 11206812
48. Graziano SL, Tatum A, Herndon JE 2nd, Box J, Memoli V, Green MR, Kern JA. Use of neuroendocrine markers, p53, and HER2 to predict response to chemotherapy in patients with stage III non-small cell lung cancer: a Cancer and Leukemia Group B study. *Lung Cancer*. 2001 Aug-Sep, 33(2-3):115-23. PMID 11551406
49. Johnson EA, Klimstra DS, Herndon JE 2nd, Catalano E, Canellos GP, Graziano SL, Kern JA, Green MR. Aberrant p53 staining does not predict cisplatin resistance in locally advanced non-small cell lung cancer. *Cancer Invest*. 2002, 20(5-6):686-92. PMID 12197224
50. Croft DR, Trapp J, Kernstine K, Kirchner P, Mullan B, Galvin J, Peterson MW, Gross T, McLennan G, Kern JA. FDG-PET imaging and the diagnosis of non-small cell lung cancer in a region of high histoplasmosis prevalence. *Lung Cancer* 2002; 36(3):297-301. PMID 12009241
51. D'Cunha J, Corfits AL, Herndon JE 2nd, Kern JA, Kohman LJ, Patterson GA, Kratzke RA, Maddaus MA. Molecular staging of lung cancer: real-time polymerase chain reaction estimation of lymph node micrometastatic tumor cell burden in stage I non-small cell lung cancer--preliminary results of Cancer and Leukemia Group B Trial 9761. *J Thorac Cardiovasc Surg* 2002 Mar; 123(3):484-91; discussion 491. PMID 11882819
52. Liu J, Kern JA. Neuregulin-1 activates the JAK-STAT pathway and regulates lung epithelial cell proliferation. *Am J Respir Cell Mol Biol* 2002 Sep; 27(3):306-13. PMID 12204892
53. Zhou H, Liu L, Lee K, Qin X, Grasso AW, Kung HJ, Willis JE, Kern J, Wagner T, Gerson SL. Lung tumorigenesis associated with erb-B-2 and erb-B-3 overexpression in human erb-B-3 transgenic mice is enhanced by methylnitrosourea. *Oncogene*. 2002 Dec; 12;21(57):8732-40. PMID 12483526

54. Vermeer PD, Einwalter LA, Moninger TO, Rokhlina T, Kern JA, Zabner J, Welsh MJ. Segregation of receptor and ligand regulates activation of epithelial growth factor receptor. *Nature* 2003 Mar 20; 422(6929):322-6. PMID 12646923
55. Vollmer RT, Herndon JE 2nd, D'Cunha J, Abraham NZ, Solberg J, Fatourehchi M, Maruska A, Kern JA, Green MR, Kratzke RA, Maddaus MA. Immunohistochemical detection of occult lymph node metastases in non-small cell lung cancer: anatomical pathology results from Cancer and Leukemia Group B Trial 9761. *Clin Cancer Res* 2003 Nov 15; 9(15):5630-5. PMID 14654545
56. Clamon G, Herndon J, Kern J, Govindan R, Crawford J, Watson D, Green M for the Cancer and Leukemia Group B. Lack of trastuzumab activity in non-small cell lung cancer over-expressing erb-B2: 39810: A Phase II Trial of Cancer and Leukemia Group B. *Cancer* 2005, 103(8):1670-5. PMID 15751020
57. Gollamudi, Nethery M, Liu D, Kern JA. Autocrine activation of ErbB2/ErbB3 receptor complex by NRG-1 in non-small cell lung cancer cell lines. *Lung Cancer* 2004 Feb; 43(2):135-43. PMID 14739033
58. Liu J, Nethery D, Kern JA. Neuregulin-1 induces branching morphogenesis in the developing lung through JAK-STAT and PI3K signal pathways. *Exp Lung Res* 2004 Sept; 30(6):465-78. PMID 15524405
59. Dowlati A, Nethery D, Kern JA. Combined Inhibition of EGFR and JAK/STAT Pathways Results in Greater Growth Inhibition In Vitro than Single Agent Therapy. *MMol Cancer Ther* 2004 Apr; 3(4):459-63. PMID 15078989
60. Nethery D, Moore B, Minowada G, Faress JA, Carroll J, Kern JA. Expression of Mutant Human Epidermal Receptor 3 Attenuates Lung Fibrosis and Improves Survival in Mice. *Appl Physiol* 2005; 99(1): 398-307
61. [D'Cunha J, Herndon JE 2nd, Herzan DL, Patterson GA, Kohman LJ, Harpole DH, Kernstine KH, Kern JA, Green MR, Maddaus MA, Kratzke RA; for the Cancer and Leukemia Group B.](#) Poor correspondence between clinical and pathologic staging in stage 1 non-small cell lung cancer: results from CALGB 9761, a prospective trial. *Lung Cancer* 2005 May; 48(2):241-6. PMID 15829324
62. Efficacy and Safety of Corticosteroids for Persistent Acute Respiratory Distress Syndrome. Writing committee: K.P. Steinberg, L.D. Hudson, R. B. Goodman, C.L. Hough, P.N. Lanken, R.Hyzy, B.T. Thompson, M. Ancukiewicz. *N Engl J Med* 2006 Apr, 354:1671-84. PMID 16625008
63. The fluid and catheter treatment trial (FACTT): pulmonary artery catheter versus central venous catheter guided treatment of acute lung injury. The NIH NHLBI ARDS Network. Writing committee: AP Wheeler, HP Wiedemann, GR Bernard, BT Thompson, B. deBoisblanc, A F Connors, D Hite, D. Schoenfeld, A Harabin. *N Engl J Med* 2006, 354:2213-24
64. Comparison of Two Fluid Management Strategies in Acute Lung Injury: The Fluid and Catheter Treatment Trial (FACTT). The NIH NHLBI ARDS Network. Writing Committee: HP Wiedemann, AP Wheeler, GR Bernard, B Taylor Thompson, B deBoisblanc, AF Connors, D Hite, D Shoenfeld, A Harabin. *N Engl J Med* 2006, 354:2564-75

65. Jacono FJ, Peng YJ, Nethery D, Faress JA, Lee Z, Kern JA, Prabhakar NR. Acute Lung Injury Augments Hypoxic Ventilatory Response in the Absence of Systemic Hypoxemia. *J Appl Physiol*. 2006 Dec; 101(6):1795-802. PMID 16888052
66. Naeem N, Eyzaguirre A, Kern JA, Lazarus HM, Hejal RB, Laughlin MJ, Kern EFO. Outcome of Adult Umbilical Cord Blood Transplant Patients Admitted to a Medical Intensive Care Unit. *Bone Marrow Transplant*. 2006 Dec; 38(11):733-8. PMID 17028624
67. Nethery D, Ghosh S, Erzurum S, Kern J. Inactivation of Neuregulin-1 By Nitration. *Am J Physiol Lung Cell Mol Physiol*. 2007 Jan; 292(1):L287-93. PMID 16980377
68. Cortas T, Eisenberg R, Fu P, Kern J, Patrick L, Dowlati A. Activation state EGFR and STAT-3 as prognostic markers in resected non-small cell lung cancer. *Lung Cancer*, 2007 Mar;55(3):349-55. PMID 17161498
69. Yu Z, Boggon T, Kobayashi S, Jin C, Kern JA, Tenen DG, Halmos B. Resistance to an irreversible EGFR inhibitor in EGFR-mutant lung cancer reveals novel treatment strategies. *Cancer Res*. 2007 Nov 1;67(21):10417-27. PMID 17974985
70. Faress JA, Nethery DE, Kern EF, Eisenberg R, Jacono FJ, Allen CL, Kern JA Bleomycin-induced pulmonary fibrosis is attenuated by a monoclonal antibody targeting HER2. *Appl Physiol* 2007 Dec; 103(6):2077-83. PMID 17916677
71. Kratzke RA, Wang X, Wong L, G. Kratzke MG, Green MR, Vokes EE, Vogelzang NJ, Kindler HL, Kern JA; for the Cancer, and Leukemia Group B. Response to the Methylation Inhibitor Dihydro-5-azacytidine in Mesothelioma Is Not Associated with Methylation of p16INK4a, Results of Cancer and Leukemia Group B 159904. *J Thorac Oncol*. 2008 Apr;3(4):417-21. PMID 18379362
72. Dowlati A, Kluge A, Nethery D, Halmos B, Kern JA. SCH66336, inhibitor of protein farnesylation, blocks signal transducer and activators of transcription 3 signaling in lung cancer and interacts with a small molecule inhibitor of epidermal growth factor receptor/human epidermal growth factor receptor 2. *Anti-Cancer Drugs* 19:9-16, 2008. PMID 18043125
73. Tang Z, Du R, Jiang S, Wu C, Barkauskas DS, Richey J, Molter J, Lam M, Flask C, Gerson S, Dowlati A, Liu L, Lee Z, Halmos B, Wang Y, Kern JA, Ma PC. Dual MET-EGFR combinatorial inhibition against T790M-EGFR-mediated erlotinib-resistant lung cancer. *Br J Cancer*. 2008 Sep 16;99(6):911-22. PMID 19238632, PMC 2538758
74. Thaiyananthan NN, Jacono FJ, Patel SR, Kern JA, Stoller JK. Right-to-Left Anatomic Shunt Associated with a Persistent Left Superior Vena Cava: The Importance of Injection Site in Demonstrating the Shunt. *Chest* 2009 Aug; 136(2):617-620. PMID 19666762
75. Tang Z, Jiang S, Du R, Petri ET, El-Telbany A, Chan PS, Kijima T, Dietrich S, Matsui K, Kobayashi M, Sasada S, Okamoto N, Suzuki H, Kawahara K, Iwasaki T, Nakagawa K, Kawase I, Christensen JG, Hirashima T, Halmos B, Salgia R, Boggon TJ, Kern JA, Ma PC. Disruption of the EGFR E884-R958 ion pair conserved in the human kinome differentially alters signaling and inhibitor sensitivity. *Oncogene*. 2009 Jan 29; 28(4):518-33. PMID 19015641, PMC 2633425, PIHMS 72114
76. [Kluge A, Dabir S, Kern J, Nethery D, Halmos B, Ma P, Dowlati A. Cooperative Interaction between Protein Inhibitor of Activated STAT3 with EGFR blockade in Lung Cancer. \*Int J Cancer\* 2009 Oct; 125\(7\):1728-34. PMID 19569236, PMC 2764252, NIHMS 5138057](#)

77. Finigan JH, Faress JA, Wilkinson E, Mishra R, Nethery DE, Wyler D, Shatat M, Ware LB, Mattay MD, Mason R, Silver RF, Kern JA. Neuregulin-1-human epidermal receptor-2 signaling is a central regulator of pulmonary epithelial permeability and acute lung injury. *J Biology Chem* 2011 Mar 25; 286(12): 10660-70, PMID 21247898, PMC 3060517
78. Kolosova I, Nethery D, Kern JA. Role of Smad2/3 and P38 MAP kinase in TGF- $\beta$ 1-induced epithelial-mesenchymal transition of pulmonary epithelial cells. *J Cell Physiol*, 2011; 226:1248-54. PMID 20945383, PMC 3043117, NIHMS 258150
79. Carr LL, Finigan JH, Kern JA. Evaluation and Treatment of Patients with Non-Small Cell Lung Cancer. *Med Clin N Am* 2011 Nov; 95(6): 1041-54. PMID 22032426
80. Carr L and Kern JA. Lung Cancer. In: Lung Cancer in *Medical Clinics of North America*, A. Musani (Ed.) 2011
81. Finigan JH, Mishra R, Vasu VT, Silveira LJ, Nethery DE, Standiford TJ, Burnham EL, Moss M, Kern JA. Bal neuregulin-1 is elevated in acute lung injury and correlates with inflammation. *Eur Respir J* 2012 May 17. PMID 22599357, PMCID: PMC4140244
82. Finigan JH, Downey GP, Kern JA. Human epidermal growth factor receptor signaling in acute lung injury. *Am J Respir Cell Mol Biol* 2012 Oct; 47(4): 395-404. PMID 22652197, PMC 3488630
83. Tudor RM, Kern JA, Miller YE. Senescence in Chronic Obstructive Pulmonary Disease. *Proc Am Thorac Soc* 2012 May, 9(2):62-3. PMID 22550244, PMC 3359109
84. Finigan JH and Kern JA. Lung Cancer Screening: Past, Present, and Future. *Clin Chest Med* 2013, Sep, 34:365-371. PMID:23993809, PMCID: PMC4102106
85. Gabrilovich M, Walrath J, van Lunteren J, Nethery D, Seifu M, Kern J, Harding C, Tuscano L, Lee H, Williams S, Mackay W, Tomaszefski Jr, Silver R. Disordered TLR-2 responses in the pathogenesis of pulmonary sarcoidosis. *Clin Exp Immunol*. 2013 Sep;173(3):512-22. doi: 10.1111/cei.12138
86. Guin S, Ru Y, Wynes MW, Mishra R, Lu X, Owens C, Baron AE, Varu VT, Hirsch FR, Kern JA, Theodorescu D. Contributions of KRAS and RAL in Non-Small Cell Lung Cancer Growth and Progression. *J Thorac Onc* 2013, 8: 1492-1501 doi: 10.1097/JTO
87. Kim J, Vasu VT, Mishra R, Singleton KR, Yoo M, Leach SM, Farias-Hesson E, Mason RJ, Ramamoorthy P, Kern JA, Heasley LE, Finigan JH, Tan AC. Bioinformatics-driven discovery of rational combination for over-coming EGFR-mutant lung cancer resistant to EGFR therapy. *Bioinformatics*. 2014 Sep 1;30(17):2393-8. doi: 10.1093/bioinformatics/btu323. Epub 2014 May 7. PMID:24812339
88. Finigan JH, Vasu VT, Thaikoottathil JV, Mishra R, Shatat MA, Mason RJ, Kern JA. [HER2 activation results in  \$\beta\$ -catenin-dependent changes in pulmonary epithelial permeability.](#) *Am J Physiol Lung Cell Mol Physiol*. 2015 Jan 15;308(2):L199-207. doi: 10.1152/ajplung.00237.2014. Epub 2014 Oct 17. PubMed PMID: 25326580.
89. Carr, Laurie; Chung, Jonathan; Achcar, Rosane; Lesic, Zoran; Rho, Ji Young; Yagihashi, Kunihiro; Tate, Robert; Swigris, Jeffrey; Kern, Jeffrey. The Clinical Course of Diffuse Idiopathic Pulmonary Neuroendocrine Cell Hyperplasia. *Chest* 2015 Feb; 147(2): 415-22. doi: 10.1378/chest.14-0711 PMID 25275948

90. Carr, I, Zelarney, P, Meadows, S, Kern, JA, Long, MB, Kern, E. Development of a Cancer Care Summary through the Electronic Health Record. *Journal of Oncology Practice*, 2016 DOI: [10.1200/JOP.2015.006890](https://doi.org/10.1200/JOP.2015.006890). PMID: 2675949

## 2. Books and/or Chapters

1. Kern JA and Daniele RP. Bronchoalveolar Lavage in Sarcoidosis. In: Sarcoidosis. J Lieberman (Ed.), Gruen & Stratton, Inc., New York, pp 179-188, 1985.
2. Kern JA. Eosinophilia and the Lung, In: *Immunology and Immunologic Diseases of the Lung*. R.P.Daniele (Ed.), Chapter 27, Blackwell Scientific Publications, Boston, pp. 527-551, 1988.
3. Kern JA and Fishman AP: End-Stage Fibrotic Lung Disease: Treatment and Prognosis. In: *Pulmonary Diseases and Disorders*. A.P. Fishman (Ed.), Second Edition, Vol. 3, Chapter 144, New York, pp. 2237-2250, 1988.
4. Kern JA: Dominant Oncogenes and Tumor Suppressor Genes in Human Lung Cancer. In: *Pulmonary Diseases and Disorders: Update*. A.T. Fishman (Ed.), New York, 1990.
5. Kern JA and Clamon G: Lung Cancer. In: *Internal Medicine*. W. Kelly (Ed.), pp. 74-85, 1996.
6. McLennan G and Kern JA: Molecular Genetics of Lung Cancer. In: *Pulmonary Diseases and Disorders*. A.P. Fishman (Ed.), New York, 1998.
7. McLennan G and Kern JA: Molecular Genetics of Lung Cancer. In: *Pulmonary Diseases and Disorders, Second Edition*. A.P. Fishman (Ed.), New York, 2007.
8. Li H and Kern JA: Genetics and Molecular Changes in Lung Cancer: Prospects for a Personalized Pharmacologic Approach. In: : Grippi M, Elias J, Fishman J, Kotloff R, Pack A, Senior R, eds. *Fishman's Pulmonary Diseases and Disorders, 5th ed*. New York: McGraw-Hill, 2015.

## 3. Reviews, Editorials and Other

1. Kern JA: Section Editor for "Lung Tumors: A Multidisciplinary Database." The Virtual Hospital, 1996. (<http://uh.radiology.uiowa.edu/providers/textbooks/lungtumors>)
2. Invited Review: The Detection of Occult Micrometastases in Non-Small Cell Lung Cancer. *Clin Insights, Inc*. Vol 1, pg 2-4, 1997
3. Kern JA. Sounding the mediastinum. *Am J Respir Crit Care Med* 2003 Dec 1; 168(11):1261-2. PMID 14644916
4. Carr L, Kern JA. Computed Tomography Screening for Lung Cancer: the Challenge of What and How. *Amer J Respir and Crit Care Med*, 2012 Jan 1; 185(1):8-10. PMID 22210786
5. Finigan JH, Kern JA. Lung Cancer: New Therapeutic Targets, New Definitions. *Am J Respir Crit Care Med* 2012, July 1; 186(1):7-8. PMID 22753683, PMC 3400992
6. Jett, J, Kern, J. An opportunity to reduce the terrible toll of lung cancer New York Times, Opinion/editorial piece. March 26, 2013



7. Randall TD, Kern JA. Tertiary lymphoid structures target the antitumor immune response to lung cancer. *Am J Respir Crit Care Med.* 2014 Apr 1;189(7):767-9. PMID:24684357 [PubMed - in process]
4. Abstracts:
  1. Rossman, M.D., Naegel, G., Rankin, J., Kern, J., Cullen, M., and Daniele, R.P.: The Role of Bronchoalveolar Lavage in Chronic Pulmonary Berylliosis. International Conference on Bronchoalveolar Lavage, Columbia, MD, May, 1984.
  2. Kern, J.A., Rossman, M.D., and Daniele, R.P.: Blood and Lung T Lymphocyte Surface Antigen Expression in Chronic Berylliosis. American Thoracic Society Meeting, Anaheim, CA, *Am. Rev. Respir. Dis.*, 131(4):A17, May, 1985.
  3. Kern, J.A., Ferro, T.J., Elias, J.A., Daniele, R.P., and Rossman, M.D.: Functional Heterogeneity in Accessory Cell Capabilities of Density Defined Alveolar Macrophages. American Thoracic Society Meeting, Anaheim, CA, *Am. Rev. Respir. Dis.*, 131(4):A36, May, 1985.
  4. Ferro, T.J., Kern, J.A., Kamoun, M., Daniele, R.P., and Rossman, M.D.: Phenotypic Identity of Density-Fractionated Human Alveolar Macrophages. American Thoracic Society Meeting, Anaheim, CA, *Am. Rev. Respir. Dis.*, 131(4):A36, May, 1985.
  5. Rossman, M.D., Kern, J.A., Elias, J.A., Epstein, P.E., Cullen, M.R., Preuss, O.P., and Daniele, R.P.: Diagnosis of Chronic Hypersensitivity Granulomatosis Due to Beryllium. American Federation for Clinical Research Meeting, Washington, D.C., *Clin. Res.*, 33(2):471A, May, 1985.
  6. Rossman, M.D., Greenberg, J., Kern, J., Cullen, M.R., Epstein, P.E., Preuss, O.P., Markham, T.N., Elias, J.A., and Daniele, R.P.: Beryllium Workers with Positive and Negative Lung Lymphocyte Proliferation Test to Beryllium. American Thoracic Society Annual Meeting, Kansas City, MO, *Am. Rev. Respir. Dis.*, 133(4):A195, May, 1986.
  7. Kern, J.A., Reed, J.C., Lamb, R.J., Daniele, R.P., and Nowell, P.C.: Interleukin-1 Gene Expression in Blood Monocytes and Alveolar Macrophage. Aspen Lung Conference, Aspen, CO, June, 1986.
  8. Kern, J.A., Lamb, R.J., Reed, J.C., Daniele, R.P., and Nowell, P.C.: Dexamethasone Inhibits Interleukin-1-Beta Production by Post-Translational Mechanisms. Presented at the AFCR/ASCI/AAP National Meeting, San Diego, CA, *Clin. Res.*, 35(3):458A, May, 1987.
  9. Kern, J.A., Reed, J.C., Lamb, R.J., Daniele, R.P., and Nowell, P.C.: Interleukin-1-Beta Gene Expression in Blood Monocytes and Alveolar Macrophages. Presented at the American Thoracic Society Annual Meeting, New Orleans, LA, *Am. Rev. Respir. Dis.*, 135(4):A209, May, 1987.
  10. Kern, J.A.: Regulation of Interleukin-1 Production. NIH Centennial and NHLBI 40th Anniversary Celebration, 1987.
  11. Elias, J.A., Trinchieri, G., Simon, P., and Kern, J.: Interleukin-6 as a Fibroblast Derived Stimulator: Evidence for Direct Effects and Synergy with Interleukin-1. Presented at the New York Academy of Sciences: "The Acute Phase and Immune Responses: A New Cytokine," 1988.
  12. Kern, J.A., Nordberg, J., Weiner, D.B., and Robinson, R.A.: Expression of the new Gene Product (p185<sup>neu</sup>) in Human Lung Cancer. National Meeting of the AFCR, *Clin. Res.*, 37(2):467A, 1989.

13. Kern, J.A., Lamb, R.J., Simon, P.L., and Nowell, P.C.: Biochemical Identification of Membrane-Associated Interleukin-1 $\beta$ . National Meeting of the AFCC, Clin. Res., 37(2):413A, 1989.
14. Elias, J.A., Reynolds, M.M., and Kern, J.A.: Human Fibroblast Interleukin-1 $\beta$ : Synergistic Stimulation and Posttranscriptional Regulation. National Meeting of the AFCC, Clin. Res., 37(2):474A, 1989.
15. Kern, J.A., Weiner, D.B., Robinson, R.A., and Torney, L.: Mechanisms of p185<sup>neu</sup> Over-expression in Non-Small Cell Human Lung Cancer Cell Lines. National Meeting of the AFCC, Clin. Res., 38:248A, 1990.
16. Robinson, R.A., Kern, J.A., Weiner, D.B., Greene, M.I., and Schwartz, D.A.: p185<sup>neu</sup> Expression in Human Lung Non-Small Cell Carcinomas: An Immunohistochemical Study With Clinicopathologic Correlation. United States and Canadian Academy of Pathology, Boston, Massachusetts, March, 1990.
17. Kern, J.A., Nordberg, J.A., Weiner, D.B., Greene, M.I., Schwartz, D.A., Torney, L., and Robinson, R.A.: p185<sup>neu</sup> Expression in Human Non-Small Cell Lung Carcinoma Predicts Diminished Survival. World Conference on Lung Health, Boston, Massachusetts, Am. Rev. Respir. Dis., 141:A55, May, 1990.
18. Robinson, R.A., Kern, J.A., Weiner, D.B., Greene, M.I., and Schwartz, D.A.: p185<sup>neu</sup> Expression in Human Lung Non-Small Cell Carcinomas: An Immunohistochemical Study with Clinicopathologic Correlation. 15th International Cancer Congress, Hamburg, Germany, August, 1990.
19. McCafferty, J.D., and Kern, J.A.: The 3' Untranslated Region of IL-1 mRNAs Regulates Protein Production from its 5' Sequence. Clin. Res., 38(3):892A, 1990.
20. Kern, J.A., Gazdar, A., Fendly, B., and Shepard, M.: An Anti-p185<sup>HER2</sup> Antibody has Anti-Proliferative Effects on Lung Cancer Cell Lines. National Meeting of the AFCC, 1991.
21. Moseley, P.L., McCafferty, J.D., Wallen, E., and Kern, J.A.: The 3' Untranslated Region of the Human 70 kD Heat Shock Gene is a Heat Responsive Element. National Meeting of the CSCR, 1991.
22. McCafferty, J.D., and Kern, J.A.: The 3' Untranslated Region of Interleukin-1's mRNA Regulates Protein Production in a Cell Specific Manner. Midwest Section Meeting of the AFCC, 1991.
23. McCafferty, J.D., and Kern, J.A.: The 3' Untranslated Region of Interleukin-1's MRNA Regulates Protein Production in a Cell Specific Manner. American Thoracic Society, American Lung Association, 1992.
24. Hanna, R., Robinson, R., Kern, J., and Schwartz, D.: Clinicopathologic Correlation of Proliferating Cell Nuclear Antigen and Neu Expression in Pulmonary Adenocarcinomas. United States and Canadian Academy of Pathology, 1992.
25. Kern, J., Slebos, R., Top, B., Robinson, R., Weiner, D., and Schwartz, D.: C-ERBB-2 Expression and Codon 12 K-RAS Mutations both Predict Shortened Survival for Patients with Pulmonary Adenocarcinomas. Midwest Section Meeting of the AFCC, 1993.

26. Lang, J.A., Sinclair, N.L., Jeyapalan, S., Kern, J., Gross, K., and Sigmund, C.D.: Expression and Regulation of the Human Renin Gene. American Heart Association Council for High Blood Pressure Scientific Sessions, American Heart Association 66th Scientific Sessions, 1993.
27. Graziano, S., Kern, J., Herndon, J., Tatum, A., Memoli, V., Sugarbaker, D., Skarin, A.T., Viallet, J., and Green, M.R.: Analysis of Neuroendocrine Markers and P185<sup>neu</sup> Before and After Chemotherapy in Patients with Stage IIA Non-Small Cell Lung Cancer (NSCLC): CALGB 9064. ASCO Annual Meeting, 1994.
28. Kern, J.A., and McCafferty, J.D.: IL-1 $\beta$ 's 3'UTR Regulates Reporter Protein Production. ALA/ATS International Conference, 1994.
29. Anderson, W.J., Stanford, W., Thompson, B.H., Kern, J.A., and Lanza, L.A.: Use of an Iron Oxide MR Contrast Agent for the Detection of Metastatic Mediastinal Lymph Nodes. 80th Scientific Assembly and Annual Meeting of the Radiological Society of North America, 1994.
30. Lubaroff, D.M., Goebel, E., Andrews, M., Davidson, B., and Kern, J.: Adenovirus-Mediated Gene Transfer in Human and Rat Prostate Cancer Cells. American Association for Cancer Research, Toronto, March 15-19, 1995.
31. Goebel, E.A., Davidson, B.L., Graham, S.M., and Kern, J.A.: Adenovirus-Mediated Transfer of LacZ into Head and Neck Squamous Cell Carcinomas. American Association for Cancer Research, Toronto, March 15-19, 1995.
32. Goebel, E.A., Davidson, B.L., Graham, S.M., and Kern, J.A.: Adenovirus Mediated Transfer of LacZ into Head and Neck Squamous Cell Carcinomas. Poster Presentation, Annual Meeting of the American Association for Cancer Research, Toronto, Canada, March 22, 1995.
33. Lubaroff, D.M., Goebel, E., Andrews, M., Davidson, B., and Kern, J.: Adenovirus Mediated Gene Transfer in Human and Rat Prostate Cancer Cells. Poster Presentation, Annual Meeting of the American Association for Cancer Research, Toronto, Canada, March 22, 1995.
34. Jagielo, P.J., Quinn, T.J., Thorne, J.A., Kern, J.A., and Schwartz, D.A.: Removal of Endotoxin Activity from Grain Dust Extract Reduces Its Inflammatory Activity. ATS International Conference, Seattle, WA, May 20-25, 1995.
35. Kern, J.A., Cohen, M.B., and Schwartz, D.A.: Prevalence and Prognostic Importance of Multiple Biomarker Expression in Lung Cancer. ATS International Conference, May 21-24, 1995.
36. Goebel, E.A., Davidson, B.L., Graham, S.M., and Kern, J.A.: Ad.RSVlacZ, A Recombinant Adenovirus Vector, Efficiently Transduces Foreign Genes into Human Head and Neck Squamous Cell Carcinoma Cell Lines. Oral Presentation, 99th Annual Meeting of the American Academy of Otolaryngology, Head and Neck Surgery Foundation, Inc., New Orleans, LA, Sept.18, 1995.
37. Goebel, E.A., Graham, S.M., Davidson, B.A., and Kern, J.A.: Cytotoxic Gene Transfer Decreases Tumor Growth in a Severe Combined Immunodeficient (SCID) Mouse Model of Head and Neck Cancer (HNC). The American Laryngological, Rhinological, and Otological Society, Inc. The Triological Society, 1995.
38. Foster, B.J., and Kern, J.A.: Selective Gene Transfer to HER2-Expressing Cells Using rhuMAbHER2-Polylysine-DNA Complexes. AFCC, Washington, DC, May 5, 1996.

39. Goebel, E.A., Davidson, B.L., Graham, S.M., and Kern, J.A.: Cytotoxic Gene Transfer Results in a Size Reduction of Established Head and Neck Squamous Cell Carcinoma Nodules in a Mouse Model. Poster Presentation, American Federation for Clinical Research, Washington, DC., May 5, 1996.
40. Goebel, E.A., Davidson, B.L., Graham, S.M., and Kern, J.A.: Cytotoxic Gene Transfer Results in a Size Reduction of Established Head and Neck Squamous Cell Carcinoma Nodules in a Mouse Model. Oral Presentation, Fourth International Conference on Head and Neck Cancer, Toronto, Canada, July 29, 1996.
41. Patel, N.V. and Kern, J.A.: Human Epidermal Receptor (HER) 2, 3, and 4 are Expressed in Human Lung Cancer Cell Lines. ALA/ATS International Conference, San Francisco, CA, May, 1997.
42. Trapp, J.F., Galvin, J.R., Gross, T.J., Kernstine, K., Kirchner, P., McLennan, G., Peterson, M.J., Schwartz, D.J., and Kern, J.A.: Comparison Between PET-FDG and CT in Staging Mediastinal Lymph Nodes in Patients with Lung Cancer. ALA/ATS International Conference, San Francisco, CA, May 17-21, 1997.
43. Patel, N.V., Acarregui, M.J., Klein, J.M., and Kern, J.A.: Heregulin (HRG) and Human Epidermal Receptor (HER) 2 and 3 are Modulated During *In Vitro* Human Lung Growth and Differentiation. Biomedicine '97, Washington, DC, April 25-27, 1997.
44. Kernstine, K., Trapp, J., Kirschner, P., Galvin, J., Rossi, N., and Kern, J.: FDG-Positron Emission Tomography (PET) and Computed Tomography (CT) to Accurately Stage the Mediastinum in Lung Cancer. International Congress of Thorax Surgery, Athens, Greece, July 1-8, 1997.
45. Kernstine, K.H., Trapp, J.J., Kirchner, P.T., Galvin, J.R., Rossi, N.P., and Kern, J.A. Comparison to Positron Emission Tomography (PET) and Computed (CT) to Identify N2 and N3 Disease in Non-Small Cell Lung Cancer (NSCLC) The Society of Thoracic Surgeons, Aug 4, 1997
46. Graziano, S.L. Mehdi, S.A., Tatum, A., Newman, N.B., Poiesz, B.J., Kern, J., Gamble, G., Etzel, J., Weidner, N, Kohman, L.J. Prognostic Markers in Resected Stage I and II Non-Small Cell Lung Cancer: An Analysis of 260 Patients with 5 Year Follow-Up. ASCO, 1998
47. Kernstine, K., Trapp, J., Croft, D., Kirchner, P., Stanford, W., Galvin, J., Mullin, B., Rossi, N., McLaughlin, K., and Kern, J. FDG-Positron Emission tomography (PET), Computed Tomography (CT) and Magnetic Resonance Imaging with Combidex (MRI-C) to Stage the Mediastinum in Non-Small Cell Lung Cancer (NSCLC). Society of Thoracic Surgeons, July 31, 1998 (Accepted abstract)
48. Verhofste, M., Husain, S., Brown, M., Wilson, J., Wcisel, G., Kern, J., Widmann, M., Hanson, M., Rossi, N., Campos, T.J., and Kernstine, K. Logistic Regression Analysis (LRA) to Identify Clinical Factors Important in Predicting 30-Day Mortality (M) and Length of stay (LOS) in the Surgical Treatment of Non Small Cell Lung Cancer (NSCLC). First World Conference on Clinical Cooperative Research for Lung Cancer, March 1999
49. Croft, D.R., Trapp, J., Kernstine, K., Mullan, B., Galvin, J.R., and Kern, J. PET-FDG Imaging in the Diagnosis of Solitary Pulmonary Nodules (SPN) and Mediastinal Staging of Non-Small Cell Pulmonary Malignancies. ALA/ATS International Conference, San Diego, CA, April 1999
50. Kernstine, K.H., Croft, D.R., Kirchner, P.T., Mullen, B., Rossi, N.P., McLaughlin, K.A., Kern, J.A. FDG-Positron Emission Tomography (PET) Evaluation of suspicious Solitary Pulmonary Nodules (SPN). American Association for Thoracic Surgery, New Orleans, LA, April 1999

51. Kern, J.A., Kernstine, K.H., and Kusiak, A. Interactive Consumer Web Sites. Friends of the National Library of Medicine, 4<sup>th</sup> Annual Conference, Washington, DC, April 1999
52. Kernstine, K., Mullan, B., McLaughlin, K., Clarke, W., Jones, M., McLennan, G., Peterson, M., Gross, T., Rossi, N. Bushnell, D., Schwartz, D., and Kern, J. Is a Pulmonary Nodule (PN) Malignant?: Contribution of FDG-Positron Emission Tomography (PET). ASCO, Los Angeles, CA, May 1999
53. Tepper, J.S., Pfeiffer, J.W., Aldrich, M.C., Kern, J. McLennan, G., and Hyde, D. Physiological and Morphological Evaluation of Retinoic Acid Treatment in a Rat Emphysema Model. ALA/ATS International Conference, San Diego, CA, April 1999
54. Kusiak, K.H. Kernstine, J.A. Kern, K.A. McLaughlin, and T.L. Tseng . Data Mining: Medical and Engineering Case Studies. Annual Industrial Engineering Research Conference, May 2000
55. Telomerase in Pleural Lavage: a Potential Marker for Micrometastatic Disease to the Pleura in Patients with Resected Non-Small Cell Lung Cancer. AM Boylan, ET Jones, C Reed, J Kern, D Levine and M R Green. American Thoracic Society National Meeting, May 2001, San Francisco, CA
56. NRG-1 Is Not an Autocrine Growth Factor for the Human Lung Cancer Cell Line NCI-H441. J. A. Kern, J. M. Klein , J. M. Snyder , M. Acarregui. American Thoracic Society National Meeting, May 2001, San Francisco, CA
57. NRG-1 Induces Branching Morphogenesis in the Developing Murine Lung. J. A. Kern. American Thoracic Society National Meeting, May 2001, San Francisco, CA
58. Gollamudi, M, Kern, JA. Neuregulin production in human lung cancer cell lines. ATS National Meeting, Atlanta, GA, 2002.
59. Jinbo Liu, D. Nethery, Jeffrey A. Kern. Neuregulin-1 induces branching morphogenesis in the developing lung through JAK-STAT and PI3K signal pathways. ATS National Meeting, 2002, Seattle, WA
60. Nethery, B. Moore, J. Liu and J. Kern . Neuregulin-1 Production is Induced in the Lung in Response to Acute Injury. ATS National Meeting, 2003, Seattle, WA
61. Dowlati, A, Kern, JA. Dual inhibition of EGFR and STAT pathway signaling provides greater anti-proliferative effect than single pathway inhibition. AACR National Meeting, July 2003
62. Nethery, D, Feucht, E, Moore, B, Minowada, G, Zabner, J, Kern, LA. Expression of Mutant HER3 Improves Survival and Attenuates Bleomycin-Induced Lung Injury in Mice. ATS National Meeting, May 2004, Orlando, Florida.
63. F.J. Jacono, Y. Peng, D. Nethery, J.A. Kern, and N.R. Prabhakar. Selective augmentation of the hypoxic ventilatory response in the early phase of lung injury. EB/IUPS April, 2005
64. A Dowlati, T Cortas, R Eisenberg, P Fu, J Robke, J Kern. Activation State (Phosphorylated) EGFR and STAT-3 as Prognostic Markers in Resected Non-Small Cell Lung Cancer (NSCLC).. AACR National Meeting, April, 2005.

65. J. Faress, D. Nethery, J. Kern. Inflammatory Cytokines Result in HER2 Transactivation. ATS National Meeting, May 2004, San Diego, CA.
66. Nethery, S. Ghosh, S. Erzurum, J. Kern. Nitration Inactivates Neuregulin-1 Signaling<sup>1</sup>. ATS National Meeting, May 2005, San Diego, CA.
67. I Guosheng Huang, Susumu Kobayashi, Cheng Jin, David Nethery, Jeffrey Kern, Daniel G. Tenen, Afshin Dowlati, Balazs Halmos. Inhibition of HER signaling induces growth arrest and apoptosis in ErbB2-driven non-small cell lung cancers. AACR National Meeting, Washington DC, 2006
68. Tania Cortas, Amy Kluge, David Nethery, Jeffrey Kern, Afshin Dowlati. Constitutive activation of Src and downstream STAT3 in small cell lung cancer (SCLC) can be targeted and results in growth inhibition. AACR National Meeting, Washington DC, 2006
69. J. Faress, D. Nethery, E. Kern, R. Eisenberg, F Jacono, J. Kern. HER2 Blockade Attenuates Bleomycin Induced Lung injury. ATS National Meeting, San Diego, 2006
70. F.J. Jacono, D.E. Nethery, J.A. Kern, N.R. Prabhakar . Cytokine Receptor Expression in the Rat Carotid Body. ATS National Meeting, San Diego, 2006
71. FJ Jacono, Y Peng, D Nethery, JA Faress, JA Kern, NR Prabhakar. Hypoxic ventilatory response in early lung injury is augmented by oxygen-independent sensitization of the carotid body. Central Society for Clinical Research, 2006, Chicago, IL, USA.
72. Z Tang, S Jiang, R Du, S Dietrich, B Halmos, J Kern, PC Ma. Somatic EGFR Mutation E884K at the Highly Conserved Residue Modulates Differential Downstream EGFR Signaling and Sensitivity to Targeted Inhibitors in Lung Cancer. ECOG-Aventis Young Investigators Symposium, 2006
73. Zhe Tang, Shan Jiang, Runlei Du, Sascha Dietrich, Titus Boggon, Balazs Halmos, Jeffrey A. Kern, Patrick C. Ma. Characterization of the exon 22 E884K somatic mutation of EGFR (ASCO National Meeting, 2007)
74. Patrick C. Ma, Shan Jiang, Runlei Du, Sascha Dietrich, Zhe Tang, Jeffrey A. Kern. Modeling Targeted Inhibition of Wild Type and Mutated c-MET Receptor (ASCO National Meeting, 2007)
75. Zhe Tang, Shan Jiang, Runlei Du, Sascha Dietrich, Titus Boggon, Balazs Halmos, Jeffrey A. Kern, Patrick C. Ma. Characterization of novel mutation E884K-EGFR at the highly conserved codon in differential targeted inhibition and signaling activation. (AACR National Meeting, 2007)
76. Shan Jiang, Runlei Du, Zhe Tang, Jeffrey A. Kern, Patrick C. Ma. Optimizing targeted inhibition of mutated MET receptor by small molecule inhibitor. (AACR National Meeting 2007)
77. M A Seifu, D E Nethery R Eisenberg, M I Gabrilovich, J R Walrath, J A Kern, R F Silver. TLR2-Dependence of Granulomatous Lung Disease in a Murine Model of Sarcoidosis. (ATS National Meeting 2009)
1. J.C. Willey, T. Blomquist, J.A. Kern, P.P. Massion, P. Nana-Sinkam, J.R. Jett, P.A. Kvale, D.E. Midthun, C. Johnson, A. Levin, E.L. Crawford, N. Lazaridis, J. Anders, B. Austermiller; Multi-Institutional Trial of a Lung Cancer Risk Test (ATS National Meeting, 2010)
2. Amanda L. Hayes, Sina Gharib, Michael J. Rosen, Jeff A. Kern, Sanjay R. Patel. The Effect of Sleep Apnea on Adipose Tissue Gene Expression. (ATS National Meeting, 2010)

3. Hayes AL, Rosen MJ, Kern JA, Patel SR. Obstructive sleep apnea and tissue adipokine levels. (ATS National Meeting, 2010)
4. Zhilin Hu, Wei Kang, Rana Hejal, Jeffrey Kern and Andrew Rollins. Precise comparisons of 3D Bronchial OCT Images with Histology. OSA Biomed, 2010
5. David Nethery, BA, Rangnath Mishra, PhD, Emily Wilkinson, BS, Mohammad Shatat, MD, David Wyler, MD, James Finigan, MD and Jeffrey A. Kern, MD. Bleomycin-induced Injury of Epithelial Cell Monolayers is HER2 and ADAM-17 Dependent. ATS National Meeting, May 2010
6. Rangnath Mishra, PhD, Jihane Faress, MD, David Nethery, BA, Emily Wilkinson, BS, Mohammad Shatat, MD, David Wyler, MD, James Finigan, MD and Jeffrey A. Kern, MD. ADAM17 plays a crucial role in mediating IL-1 $\beta$ -induced inflammatory signaling through HER2 and ERK-1. ATS National Meeting, May 2010
7. Shatat, M, Nethery, D, Mishra, R, Wilkinson, E, Wyler, D, Finigan, J, Kern, JA. IL-1 $\beta$  Mediated HER2 Transactivation Alters Pulmonary Epithelial Barrier. ATS National Meeting, May 2010
8. Wyler, D, Nethery, D, Wilkinson, E, Mishra, R, Shatat, M, Kern, JA, Finigan, J. ADAM 17 Response in Pulmonary Epithelial Cells after Stimulation by IL-1 $\beta$ . ATS National Meeting, May 2010
9. Finigan J, Nethery D, Wilkinson E, Wyler D, Shatat M, Kern JA. Activated Protein C Reduces Epithelial Permeability and Acute Lung Injury via Blockade of the Neuregulin-HER2 Axis. ATS National Meeting, Denver, CO, May 17, 2011
10. Carr L, Lynch D, Regan E, Kern J, Hokanson J, Wilson C, Crapo J, Bowler R for the COPD Gene Investigators. Risk Factors for the Development of Lung Cancer in the COPD Gene Cohort. Aspen Lung Conference, June 2011
11. Kern JA, Vasu VT, Mishra R, Finigan JH. NRG-1/HER2 Signaling Mediates  $\beta$ -Catenin/E-Cadherin Interactions. ATS National Meeting, May 2012
12. Finigan JH, Mishra R, Vasu VT, Kern JA. Cigarette Smoke Activates the NRG-1-HER2 Pathway in Pulmonary Epithelial Cells. *Am J Respir Crit Care Med* 185: A2015. ATS National Meeting, May 2012
13. Finigan JH, Mishra R, Vasu VT, Kern JA. ADAM17 Tyrosine Phosphorylation Regulates Shedding of the Growth Factor Neuregulin-1 and HER2 Activation in Pulmonary Epithelial Cells. *Am J Respir Crit Car Med* 185: A1964. ATS National Meeting, May 2012
14. Jihye Kim, Daniel Foster, Rangnath Mishra, Jeffrey A. Kern, Aik-Choon Tan, James H. Finigan. Kinome RNAi Screens Identify Essential Genes and Therapeutics in “Driver Negative” Non-Small Cell Lung Cancer. IASLC National Meeting, September 2015
15. James Jett, Debra Dyer, Jeffrey Kern, Donald Rollins, Melanie Phillips. Screening For Lung Cancer With The Early CDT-Lung And Computed Tomography. IASLC National Meeting, September 2015

Other: Exhibits, Films, Tapes, Special Presentations

1. Invited Lecturer: "Analysis of Gene Expression." American Thoracic Society Postgraduate Course on "Applications of Molecular Biology to the Investigation of Pulmonary Disease," Annual Meeting, Las Vegas, Nevada, 1988.
2. Invited Lecturer: "Gene Expression." American Thoracic Society Postgraduate Course on "Applications of Molecular Biology to the Investigation of Pulmonary Disease," Annual Meeting, Cleveland, Ohio, 1989.
3. Invited Speaker: Interleukin-1Alpha." American Thoracic Society Symposium on "Cytokine Networks in the Lung." Annual Meeting, Cleveland, Ohio, 1989.
4. Symposium Organizer and Moderator: "Cytokine Regulation of Inflammation and Wound Healing in the Lung." American Thoracic Society Annual Meeting, Boston, Massachusetts, 1990.
5. Invited Lecturer: "Analysis of Gene Expression." American Thoracic Society Postgraduate Course on "Applications of Molecular Biology to the Investigation of Pulmonary Disease," Annual Meeting, Boston, Massachusetts, 1990.
6. Invited Lecturer: "p185<sup>HER2</sup> in Human Lung Cancer." CALGB, St. Louis, MO, November 19, 1990.
7. Invited Lecturer: "p185<sup>HER2</sup> in Human Lung Cancer." Genentech, Inc., December 13, 1990.
8. Invited Lecturer: "p185<sup>HER2</sup> in Human Lung Cancer." National Cancer Institute, Biological Response Modifier Program, February 15, 1991.
9. Panel Member: Investigational Strategies for Detection and Intervention in Early Lung Cancer. Organ System Coordinating Branch, National Cancer Institute, April 21-24, 1991.
10. Invited Lecture: "A Pulmonologist's View of Lung Cancer." Iowa Radiological Society, Iowa City, Iowa, March 15, 1992.
11. Visiting Professor: Pulmonary and Critical Care Division, University of Pennsylvania, Philadelphia, April 30-May 1, 1992.
12. Symposium Organizer & Moderator: "Recent Advances in the Biology of Human Lung Cancer." American Thoracic Society International Meeting, Miami Beach, FL, May 15, 1992.
13. Mediator: "Clinical Advances in Lung Cancer." American Thoracic Society International Meeting, Miami Beach, FL, May 17, 1992.
14. Mediator: "Predictors of Survival in Lung Cancer." American Thoracic Society International Meeting, Miami Beach, FL, May 17, 1992.
15. Invited Lecturer: "p185<sup>HER2</sup> in Human Lung Cancer." National Cancer Institutes, Laboratory of Human Carcinogenesis, Bethesda, MD, August 5, 1992.
16. "Molecular Markers of Survival in Human Lung Cancer." Grand Rounds, Department of Internal Medicine, Cornell University, New York, NY, March, 1993.



17. Symposium Organizer & Moderator: "Molecular Biology for the Nonmolecular Biologist." American Federation for Clinical Research Meeting, Washington, DC, May 1, 1993.
18. Mediator: "Cytokines/Growth Factors I." American Federation for Clinical Research Meeting, Washington, DC, May 1, 1993.
19. Invited Speaker: "Regulation of IL-1beta Production Cells of the Vascular Space." American Heart Association/Parke-Davis Awardees Meeting, Ann Arbor, Michigan, September 28, 1993.
20. Invited Lecture: "HER2 in Lung Cancer." Genentech, November, 1993.
21. "Molecular Prognostic Markers in Human Lung Cancer." Grand Rounds, Department of Internal Medicine, University of Chicago, Chicago, IL, March, 1994.
22. Symposium, Organizer, and Moderator: "Advances in the Biology of Lung Cancer." American Thoracic Society International Meeting, Seattle, WA, May 22, 1995.
23. Facilitator: "Lung Cancer Basic Science." American Thoracic Society International Meeting, Seattle, WA, May 22, 1995.
24. State-of-the-Art Speaker: "Genetics of Lung Cancer." American Thoracic Society International Meeting, New Orleans, LA, May 14, 1996.
25. Moderator: "Lung Cancer" American Thoracic Society International Meeting, San Francisco, CA. May 1997
26. Moderator: "Granulomatous Lung Disease" American Thoracic Society International Meeting, San Francisco, CA. May 1997
27. Invited Lecture: Advances in Lung Cancer Biology Perspectives in Lung Cancer, Charleston, SC, 9/98
28. Symposium Organizer, Moderator, and Speaker: "Advances in Lung Cancer" ATS International Meeting, Chicago, IL. April 1998
29. IASLC Lecturer: Course in Thoracic Oncology, "Lung Cancer Basic Biology" University of Toronto, Toronto, Canada. June 1998
30. Invited Speaker. University of Toronto, Division of Oncology. "Genetic abnormalities in lung cancer". Toronto, Canada. June 1999
31. Invited Speaker. Pulmonary/Critical Care Division, Brigham and Women's Hospital, "The HRG/erbB2 axis in pulmonary tumorigenesis and development", and "Changing Paradigms in the staging and treatment of lung cancer". Boston, MA. April 2000
32. UHHS System Grand Rounds. ARDS. April, 2002
33. Department of Medicine Grand Rounds, State University of New York, Syracuse, "A New Staging Paradigm For Lung Cancer: Will CT and PET become obsolete? September, 2003 Cleveland Clinic Foundation Cancer Biology Seminar. Growth Factors and their receptors in recovery from lung injury. September. 2003

35. Moderator: "Lung Cancer" American Thoracic Society International Meeting, Atlanta, GA. May 2003
36. MetroHealth Medical Center Research Seminar. Epithelial Cell Growth Factors in recovery from Lung Injury. January, 2005
37. Department of Medicine Grand Rounds, Case Medical School, "Hyperglycemia in the ICU; Finding the Sweet Spot" June, 2005
38. Department of Medicine Grand Rounds, University of Wisconsin, Madison, Wisconsin, "ARDS". October 10, 2005
39. Division of Pulmonary and Critical Care Grand Rounds, University of California – Los Angeles. "EGFR family in the recovery from lung injury", December 6, 2005
40. VanSeaPort Research Conference, Keynote Speaker "The EGFR family in the Recovery from Lung Injury", Portland, Oregon, March 19, 2006
41. VanSeaPort Research Conference, Keynote Speaker "The Search for New Drugs and Staging Techniques in Lung Cancer", Portland, Oregon, March 21, 2006
42. Connecticut Chest Conference, "The EGFR family in the Recovery from Lung Injury", New Haven, Connecticut, November 28, 2007
43. Neurocritical Care 2008 , Symposium moderator, Medical Issues in the NSICU, Cleveland, OH September 13, 2008
44. Neurocritical Care 2008, "The future of Pulmonary Artery Catheters in Critical Care", Cleveland, OH September 13, 2008
45. National Jewish Health Grand Rounds. HER2 Signaling in the Pulmonary epithelium: Implications for Wound Repair and Tumorigenesis", January 14, 2009
46. University of Toledo, Department of Medicine, "ARDS: the Protection Racket". Grand Rounds, February 19, 2009
47. University of Toledo, Cancer Center Research Seminar "HER2 Signaling in the Pulmonary Epithelium; Implications for tumorigenesis and wound Healing", February 19, 2009
48. University of Cincinnati, Pulmonary, Critical Care and Sleep Division Grand Rounds, Department of Medicine, "HER2 Signaling in the Pulmonary Epithelium; Implications for Wound Healing", March 2, 2009
49. National Jewish Health, Department of Medicine Grand Rounds, "Beyond Traditional Therapy: Molecular Medicine for Lung Cancer". Denver, CO, March 15, 2010
50. ATS International Meeting, "Targeting Receptor Tyrosine Kinases in Lung Cancer", New Orleans, LA, May 15, 2010
51. Exempla Hospital System, Good Samaritan Hospital, Grand Rounds Department of Medicine, "Pulmonary Nodules: Has CT Really Helped Us?", July 22. 2010

52. Cepheid Pharmaceuticals. "The Epidemic of Lung Cancer", San Jose, CA, June 25, 2010
53. Invited Speaker as a faculty member of the 2011 ATS SOTA Course in Pulmonary Critical Care and Sleep, March 3, "Lung Cancer 2011", San Diego, California
54. Symposium Organizer, "Lung Cancer: Patient Oriented Diagnosis and Treatment", National Jewish Health, April 30, 2011
55. Co-Chair, Aspen Lung Conference, "COPD and Lung Cancer: Common Pathogenesis, Shared Clinical Challenges, June 8-11, 2011, Aspen, Colorado
56. Visiting Professor, Medicine Grand Rounds Speaker Rhode island Hospital, Jan 31, 2012, "The Great Debate: Screening for Lung Cancer", Providence, Rhode Island
57. Visiting Professor, Pulmonary Research Conference, Brown University, Jan 30, 2012, "HER2 Regulation of Pulmonary epithelial Permeability". Providence, Rhode Island
58. Invited Speaker as a faculty member of the 2012 ATS SOTA Course in Pulmonary Critical Care and Sleep, March 2, "Lung Cancer in 2012", Dallas, Texas
59. Invited Speaker at National Primary Care Nurse Practitioner Symposium, July 13, 2012, "Lung Cancer in the 21st Century", Cooper Mountain, Colorado
60. Keynote Speaker at University of California Sacramento Grand Rounds, October 20, 2012, "The Key to Personalized Oncology: Molecular Pathology", Fresno, California
61. Invited Speaker at ATS National Meeting, "Year in Review: Lung Cancer", 2013, Philadelphia, Pennsylvania
62. Invited Speaker at Salina Regional Health Center Oncology Symposium, May 3, 2013, "Screening for Lung Cancer", Salina, Kansas
63. Symposium Organizer, "Guidelines for Non-Small Cell Lung Cancer Customized Care", National Jewish Health, October 17, 2013
64. National Jewish Health, Department of Medicine Grand Rounds, "Tools for Personalized and Precise Lung Cancer Care", Denver, CO, November 4, 2013
65. Lymphangiolyomatosis International Research Conference, "Functional Genomics of Lung Cancer: HER2 to the Kinome". Chicago, IL, March 29, 2014,
66. Lead Moderator, 2015 ATS Conference, "Thoracic Cancers: Pathogenesis and Novel Targets", Denver, CO, May 17, 2015
67. Invited Speaker, Lung Cancer Staging: a "How to" Manual. SCL Health System Tumor Board, Denver, CO, July 9, 2015
68. Invited Speaker, Vietnam Respiratory Society National Meeting, "Screening for lung cancer: past, present and future", Ho Chi Minh City, Vietnam, November 6, 2015.
69. Invited Speaker, Vietnam Respiratory Society National Meeting, "Targeted therapies in lung cancer", Ho Chi Minh City, Vietnam, November 7, 2015

70. Invited Speaker, “Personalizing care for lung cancer: Testing 10 Treatments All at Once”, ATS National Conference, San Francisco, CA, May 16, 2016
71. Medical Grand Rounds, Gunderson Clinic, October 13, 2016
72. Medical Grand Rounds, University of Texas Medical Branch – Amarillo, 2016