

Curriculum Vitae

Eric L. Grogan, M.D., M.P.H., F.A.C.S., F.C.C.P.

OFFICE ADDRESS

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Date and Place of Birth: October 29, 1972, Charlottesville, VA
Primary School: Graduate of Lone Oak High School, Paducah, KY
Citizenship: USA

EDUCATION

Degree-Granting Education

Lipscomb University, Nashville, TN	B.S. (<i>Chemistry</i>)	1990-1995
Vanderbilt University School of Medicine	M.D. (<i>AOA</i>)	1995-1999
Vanderbilt University School of Medicine	M.P.H.	2002-2004

Postgraduate Education and Training

Internship in General Surgery, Vanderbilt University Medical Center	1999-2000
Resident in General Surgery, Vanderbilt University Medical Center	2000-2002, 2004-2005
Resident in Research: VA Quality Scholars Fellowship Program Veterans Affairs Hospital & Vanderbilt University Medical Center	2002-2004
Chief Resident in General Surgery, Vanderbilt University Medical Center	2005-2006
Resident in Thoracic Surgery, University of Virginia	2006-2008
Covidien Minimally Invasive Thoracic Fellow, University of Virginia	2007-2008

Additional Education and Training

SAGES Advanced Laparoscopic Training Course, Ethicon Institute, OH	May 2001
Crew Training International Dynamic Outcomes Management Course	April 2003
Crew Training International Trainer Course	Sept 2003
Covidien Advanced Minimally Invasive Thoracic Training Course, Elancourt, France	July 2007
Outcomes Research Course – American College of Surgeons, Chicago, IL	Nov 2008
Grantsmanship Workshop – American Association for Thoracic Surgery, Bethesda, MD	March 2009
Regression Modeling Strategies Short Course: Frank E. Harrell, Ph.D, VUMC	March 2011, 2014
Intuitive Thoracic Robotic Course, Keesler Air Force Base, Biloxi, MS	Aug 2017

LICENSURE / CERTIFICATION

National Provider Identifier (1023220753)	
American Board of Thoracic Surgery (CN 7550)	2009-2029
American Board of Surgery: General Surgery (CN 51830)	2006-2016
Tennessee Medical License (MD0000036069)	Active
Kentucky Medical License (55602)	Active
Mississippi Medical License (29792)	Active
BLS (Advanced Cardiac Life Support)	Active
ATLS (Advanced Trauma Life Support)	2001, 2004

ACADEMIC APPOINTMENTS - VUMC

Associate Professor of Surgery, Department of Thoracic Surgery	2016-present
Vice Chair of Research	2018-present
Thoracic Surgery Residency - Associate Program Director	2020-present

Associate Professor of Medicine	2016-present
Section Chief Thoracic Surgery, TVHS, Veterans Hospital	2016-present
Associate Professor of Radiology and Radiological Sciences	2021-present
Assistant Professor of Surgery, Department of Thoracic Surgery	2008-2016
Assistant Professor of Medicine	2008-2016
Member Institute of Medicine and Public Health	2008-present

HOSPITAL APPOINTMENTS

Vanderbilt University Medical Center	2008-present
Veterans Hospital – Tennessee Valley Health Care System	2008-present
Williamson County Medical Center	2009-present
Vanderbilt Stallworth Rehabilitation Hospital	2016-present
Maury County Regional Medical Center	2011-2018
Nashville General Hospital at Meharry	2008-2012

PREVIOUS EMPLOYMENT

Tennis Instructor & Lawn Maintenance, Paducah, KY and Nashville, TN	1989-1993
Research Assistant: Plasmid sequence verification and DNA sequencing Ann Richmond, PhD. Cell Biology, Vanderbilt University	1993
Property Maintenance Technician Excel Commercial Services, Inc., Nashville, TN	1995
Dockhand, American Freightways, Inc., Smyrna, TN	1995
Research Assistant: Autonomic Failure David Robertson, M.D. Clinical Research Center, Vanderbilt University	1996

PROFESSIONAL ORGANIZATIONS

American Medical Association	1995-2013
Alpha Omega Alpha	1998-present
H. William Scott, Jr. Society	1999-present
Society of American Gastrointestinal Endoscopic Surgeons (SAGES)	2001-2012
Tennessee Medical Association	2002-2006
Society of Critical Care Medicine	2003-2005
American College of Chest Physicians – Fellow	2009-present
Nashville Surgical Society	2009-2019
American College of Surgeons- Fellow	2010-present
Society of Thoracic Surgeons – Member	2010-present
Southern Thoracic Surgical Association - Member	2010-present
General Thoracic Surgical Club - Member	2011-present
International Association for the Study of Lung Cancer	2012-present
Association of VA Surgeons-Member	2017-present
American Association for Thoracic Surgery	2019-present

PROFESSIONAL ACTIVITIES

Intramural:

Crew Resource Management Implementation and Research Committee	2004-2004
Executive Patient Safety Council	2002-2004
House Staff Advisory Committee	2002-2004
Inpatient patient reported outcomes working group	2009-2010
Search Committee – Division Chief Trauma / Critical Care	2010-2011
Search Committee—Radiation Oncology Outcomes Research Director	2011- 2012
VUMC Perioperative Committee – Preoperative CXR	2012
Lung Cancer Screening Group	2013-present
Thoracic Program Leadership Committee - VUMC	2014-present
Thoracic program pilot grant review	2015
Section of Surgical Sciences research review committee	2019-2020

Vanderbilt University Faculty Senate (elected position)	2020-present
Search Committee – Department of Thoracic Surgery Chairman	2022
Veteran’s Hospital, Tennessee Valley Health Care System	
Lung Cancer Screening Committee	2020-present
Robotics Committee	2020-present
<i>Extramural:</i>	
<i>Review Responsibilities:</i>	
Annals of Thoracic Surgery – Guest Reviewer (1-3 annual reviews)	2008 - present
Annals of Surgical Oncology – Ad Hoc Reviewer (1 annual review)	2008 - present
Journal of Thoracic and Cardiovascular Surgery – Ad Hoc Reviewer (1 annual review)	2010 - present
Journal of Thoracic Oncology – Ad Hoc Reviewer (1-2 annual reviews)	2010 - present
American Journal of Surgery – Ad Hoc Reviewer (1 annual review)	2012 – present
Annals of the American Thoracic Society Ad Hoc Reviewer (1 annual review)	2013 – present
Journal of Clinical Oncology – Ad Hoc Reviewer	2016-present
<i>Professional Organization Roles and Responsibilities:</i>	
American College of Surgeons	
RAS Council of Representatives - Education Committee	2003-2008
ACS – ASE Conference on Education to Reduce the Risk of Surgical Errors	2005-Feb
ACS / ACGME Conference for Development of Surgical Patient Safety Curriculum	2005-May
American College of Surgeons Oncology Group Thoracic, Basic Science and Translational Committee	2009-2012
Symposium co-moderator / organizer - “Pulmonary Metastatectomy” American College of Surgeons Annual Meeting, Chicago, IL	Oct -2012
Society of Thoracic Surgeons	
Thoracic Surgery Database Committee	2014 - present
Abstract reviews for 2010 meeting	July- 2010
Abstract reviews for 2011 meeting	July- 2011
Abstract reviews for 2012 meeting	July- 2012
Course Instructor STS University VATS lobectomy course	Jan 29, 2014
STS annual meeting, Orlando, FL	
Moderator Lung Transplantation Session	Jan 27, 2014
STS annual meeting, San Diego, CA	
Moderator Lung Cancer 1 Session	Jan 26, 2016
STS annual meeting, Phoenix, AR	
STS PUF application review committee	2017-2019
STS database workforce committee	2017 – 2020
Abstract reviews for 2021 meeting	Oct 2020
Southern Thoracic Surgical Association	
Moderated Scientific Symposium, Annual Meeting, San Antonio, TX	Nov-2011
Moderated Scientific Symposium, Annual Meeting, Naples, FL	Nov- 2012
Abstract reviews for 2013 meeting	April 2013
Moderated Scientific Symposium, Annual Meeting, Scottsdale, AR	Nov 1, 2013
Invited Discussant	Oct 31, 2013
Invited Paper discussant, Annual Meeting	Nov 5, 2022
American Association Thoracic Surgery	
Abstract reviewer for 2022 meeting	December 2021
American Board of Thoracic Surgery	
SESATS v11 question writer	2013
General Thoracic Subcommittee -Consultant	2014
General Thoracic Subcommittee	2016
THORN (Thoracic Outcomes Research Network)	2016 - Present
Founding member and Advisory Committee Member	
Early Diagnosis Research Network –Member	2021-present

Lung Team Project 2 Adjudication Committee Chair	2021-2022
Associate Member	2017-2022

HONORS AND AWARDS

Undergraduate:

Captain Tennis Team, Lipscomb University	1993, 1994
A.O. Duer Award, District 24 All Sports Scholar/Athlete of the Year	1993
J.R. Beyer Award, Lipscomb Christian/Student/Athlete of the year	1994
<i>Alpha Chi</i> Honor Society, Lipscomb University	1995
<i>Summa Cum Laude</i> , Lipscomb University	1995

Graduate:

<i>Alpha Omega Alpha</i> , Vanderbilt University Medical School	1998
American College of Surgeons Medical Student Program Representative	1998
H. William Scott Student Surgery Award, Vanderbilt University	1999

Post Graduate:

Third Place, ‘Top Gun’ Laparoscopic Competition SAGES World Congress	2001
Best Poster - Vanderbilt University Medical Center 21 st Annual Research Forum <i>Volatility: A New Vital Sign Identified Utilizing a Novel Bedside Monitoring Strategy</i>	2003
Best Lecture - Advances in the Management of Thoracic Diseases, Nashville TN <i>Evaluation of the Solitary Pulmonary Nodule in the South Central US</i>	2011
Best of ASCO – American Society of Clinical Oncology, Chicago, IL <i>Accuracy of FDG-PET to diagnose lung cancer in the ACOSOG Z4031 trial</i>	June 2012
5-Star Patient Satisfaction Award for Overall Quality of Care Vanderbilt University Medical Center	2013, 2014
Directors Star Award for Patient Care Veterans Hospital, Tennessee Valley Healthcare System	2015
John L. Sawyers Teaching Award for Resident Education Award is given each year by the General Surgery Chief Residents To attending who most impacted their class Vanderbilt University Medical Center	2020
Castle Connolly Regional Top Doctor	2021, 2022

CLINICAL AND RESEARCH MENTORSHIP

Mentorship

Post-Doctoral Research Fellows:

Jamii St. Julien, M.D., M.P.H. (Surgery Resident – Post Doc)	2010-2012
Amelia Maiga, MD, M.P.H., - Post-Doctoral Fellow	2015-2018
Maren Shipe, MD, MPH- Post-Doctoral Fellow	2018-2020
Dianne Haddad, MD, MPH - Post-Doctoral Fellow	2018-2020
Hannah Marmor, MD - Post-Doctoral Fellow	2020-2022
Michael Kammer, PhD – Post Doctoral Fellow	2021-2022
Rafa Paez, MD - Post-Doctoral Fellow	2021-present
Caroline Godfrey, MD – Post Doctoral Fellow	2021-present

General Surgery and Cardiothoracic Resident Research Trainees:

Alykhan Nagji, MD (Surgery Resident, University of Virginia)	2007-2008
James Isbell, MD, MSCI (Surgery Resident, VUMC)	2008-2010
Denis Gilmore, MD, (Thoracic Surgery Resident) Research Mentor	2016-2018

Medical Students Research Trainees:

Jodi Weinstein, MD (Vanderbilt University)	2008-2011
Aaron Dawes, MD, (Medical Student, Vanderbilt University)	2008-2011
Gabriella Andrade, MD, (Vanderbilt University)	2009-2012
Francys Verdial, MD, MPH, (Vanderbilt University)	2009-2013
Patrick Kelley, MD (Vanderbilt University)	2012-2014
Tyler Davis, MD (Vanderbilt University)	2012-2015
Ashley Morgan (Vanderbilt University)	2012-2015
Lawrence Brown, MD, MPH (Meharry Medical Student)	2018-2019

Graduate Students Research Trainees:

Carol Calloway-Lane, (Vanderbilt Nursing School - DNP Thesis Committee)	2009-2011
Stephen A. Deppen, (PhD student, Epidemiology, Vanderbilt University) Chairman - PhD Thesis Committee	2009-2013
Sarah Fletcher (PhD biostatistics graduate student)	2013-2017
Carissa Iverson (PhD genetics graduate student – Thesis Committee)	2014-2018
Valerie Welty (PhD biostatistics graduate student)	2017- present

Undergraduate Ward Society Awardees –Lipscomb University

Chandler Montgomery	2016-2017
Jerod Crocket	2017-2019
Shelbi Sullivan	2018-2020

Cardiothoracic Surgery Resident Clinical Trainees:

Jared Antivil, MD	2008-2009
Alex Karavas, MD	2008-2010
Daniel Cuadrado, MD	2008-2011
Aaron Hoffman, MD	2011-2014
Elena Zairnik, MD	2012-2015
Timothy Danish, MD	2015-2017
Henry F. Todd, MD	2014-2017
Dennis Gillmore, MD	2015-2018
Ferian Lou, MD, MS	2015-2018
Michael Archer, MD	2016-2019
John Evans, MD	2016-2019
William McMasters, MD	2017-2020
Daniel Freno, MD	2018-2021
Mark Hardin, MD	2018-2021
Donald Moe, MD	2019-present
Tyler Zorn, MD	2019-present
Sigrid Johanasen, MD	2020-present
Nicolas Tinguist, MD	2020-present
Eric Quintana, MD	2018-present
Yulia Tipograph, MD	2021-present

Faculty Mentorship

Erin Gillaspie MD, MPH – MPH Thesis Committee Chair	2017-2019
Jennifer Lewis, MD, MPH – Faculty mentorship committee	2018-present
Kim Sandler, MD – Faculty mentorship committee	2018-present
Alex Hawkins, MD, MPH – Faculty mentorship committee	2018-present

EXTRAMURAL ACTIVITIES**Missions**

Montelano, Guatemala (Surgical Mission trip)	2003-2018
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With Health Talents International, I have participated in 9 surgical mission trips. I have proctored many surgical Residents, medical students and premedical students.
Honduras (Surgical Mission) – Hernia repairs and lap chole Feb 2019

TEACHING ACTIVITIES

Invited Lectures and Continuing Medical Education

Local

<i>Crew Resource Management and the Trauma Patient</i> Quality Scholar Summer Institute 5 th Annual Research Forum Fairlee, VT	Aug 5, 2003
<i>Documenting Patient Acuity level: The General Surgery Progress Note</i> Vanderbilt Clinical Enterprise Group Vanderbilt University Medical Center	Sept 24, 2003
<i>Documenting Patient Acuity level: The General Surgery Progress Note</i> Vanderbilt Surgical Grand Rounds Vanderbilt University Medical Center	Nov 21, 2003
<i>Guatemala Surgical Missions: Can we fix one more hernia?</i> Vanderbilt International Committee, Brown Bag Series. Vanderbilt University Medical Center	Feb 17, 2004
<i>Documenting Patient Acuity level: The General Surgery Progress Note</i> Vanderbilt Informatics Grand Rounds Vanderbilt University Medical Center	Mar 17, 2004
<i>Documentation, Coding, and the Risk Adjusted Mortality Initiative</i> Vanderbilt Clinical Enterprise Group Vanderbilt University Medical Center	June 9, 2004
<i>Changing Demands on Residents (The New Work-Hour Requirements): Is Medicine Helped or Hurt?</i> Spring Ethics Grand Rounds Vanderbilt University Medical Center	April 14, 2005
<i>Minimally Invasive Treatment of Early Stage Lung Cancer</i> Lung Cancer Symposium Vanderbilt University Medical Center	May 16, 2009
<i>Early Diagnosis and Treatment of Lung Cancer</i> General Surgery Grand Rounds Vanderbilt University Medical Center	Oct 16, 2009
<i>Surgical Treatment of Esophageal Cancer</i> 5 th Annual GI and Hepatology Update Nashville, TN	Sept 24, 2010
<i>Evaluation of the Solitary Pulmonary Nodule in the South Central US</i> Advances in the Management of Thoracic Diseases 2011 Nashville, TN	April 30, 2011
<i>Surgical Diagnosis of Lung Cancer: Why are we so inaccurate?</i> Pulmonary Medicine Grand Rounds Vanderbilt University Medical Center	Nov 28, 2011
<i>Avoiding the Futile Thoracotomy</i> Advances in the Management of Thoracic Diseases 2012 Nashville, TN	April 21, 2012
<i>Predicting cancer in patients with suspicious pulmonary nodules</i> General Surgery Grand Rounds Vanderbilt University Medical Center	Nov 8, 2013
<i>The Small Lung Nodule Problem</i> Vanderbilt Initiative for Surgery and Engineering Vanderbilt University Medical Center	Nov 11, 2014

<i>Improving the Diagnosis of Lung Cancer</i> Infectious Disease Grand Rounds Vanderbilt University Medical Center	Feb 19, 2015
<i>Reducing Invasive Testing for Suspicious Pulmonary Lesions</i> Section of Surgical Sciences Research Conference Vanderbilt University Medical Center	Mar 23, 2015
<i>Intraoperative Localization and Characterization of Lung Nodules</i> Biophotonics Center Seminar Series Vanderbilt University	Feb 24, 2016
<i>A Data Driven Approach to Reduce Operative Delays in the COVID-19 era</i> General Surgery Grand Rounds Vanderbilt University Medical Center	May 22, 2020
Regional	
<i>Surgical Management of Barrett's Esophagus</i> Audio-Digest Gastroenterology Volume 25 Issue 03 Program Title: Barrett's Esophagus	Feb 07, 2011
<i>Surgical Management of Lung Cancer</i> CME lecture Jennie Stuart Medical Center, Hopkinsville, KY	March 26, 2013
<i>A surgeon's perspective on predicting lung cancer in patients with lung nodules</i> Tennessee Radiology Association, Scientific meeting Franklin, TN	Feb 27, 2016
<i>A Data Driven Approach to Reduce Operative Delays in the COVID-19 era</i> Disaster Relief Webinar for the Vanderbilt Health Affiliate Network	Sept 18, 2020
National	
<i>Residents: Students or Employees?</i> American College of Surgeons Clinical Congress RAS Symposium New Orleans, LA	Oct 10, 2004
<i>Pulmonary Nodule Dilemma</i> Veterans Affairs – Quality Scholars Summer Institute Fairlee, Vermont	Aug 1, 2010
<i>Assessment of the Pulmonary Nodule</i> General Thoracic Skills Session American Association for Thoracic Surgery 91 st Annual Meeting Philadelphia, PA	May 7, 2011
<i>Assessment of the Solitary Pulmonary Nodule</i> Medical Grand Rounds Louisiana State University, Baton Rouge Campus, Baton Rouge, Louisiana	Aug 14, 2013
<i>Assessment of the Indeterminate Pulmonary Nodule</i> Surgical Grand Rounds The Ohio State University, Columbus, Ohio	Sept 29, 2013
<i>Predictive Modeling to Diagnose Lung Nodules through Noninvasive Diagnostics</i> STS / AATS Tech-Con 2014, Gen Thoracic Track 1: General Thoracic Surgery Innovations Orlando, Florida	Jan 25, 2014
<i>Variation in FDG-PET Accuracy to Diagnose Lung Cancer in Pulmonary Nodules</i> NCI-Early Detection Research Network – Research collaborative meeting Bethesda, MD	Sept 9, 2014
<i>Improving the Preoperative Diagnosis of Lung Cancer in Patients with Indeterminate Pulmonary Nodules</i> 23 rd Annual David P. Boyd Lectureship in Cardiothoracic Surgery Lahey Clinic, Boston, MA	Dec 3, 2014
<i>Predictive Modeling in Patients with Suspicious Pulmonary Lesions</i> STS Thoracic Database Committee San Diego, Ca	Jan 25, 2015
<i>Accuracy of FDG-PET to Diagnose Lung Cancer in Areas with Infectious Lung Disease</i>	May 17, 2015

American Thoracic Society Annual Meeting, NEJM & JAMA special session Denver, CO	
<i>The OR of the Future: Optical Assist Devices</i> STS / AATS Tech-Con 2016, Gen Thoracic Track 1: General Thoracic Surgery Innovations	Jan 24, 2016
<i>Improving the diagnostic accuracy of lung nodule evaluations</i> Markey Cancer Center, University of Kentucky	April 4, 2016
<i>Big Data in Thoracic Surgery: Clinical Models</i> STS / AATS Tech-Con 2017, Gen Thoracic Track 1:	Jan 21, 2017
<i>Biomarkers at the Crossroads-Using Biomarkers and Imaging in Fungal Regions to Improve Lung Cancer Diagnosis</i> 31 st Early Detection Research Network-Steering Committee Meeting Tempe, AZ	Mar. 8, 2017
<i>Biomarkers for Lung Cancer Detection</i> 34 th Early Detection Research Network-Steering Committee Meeting Nashville, TN	March 19, 2019
<i>A Data Driven Approach to Reduce Operative Delays in the COVID-19 era</i> Research Conference, Washington University Medical Center St. Louis, MO	Oct 27, 2020

International

<i>The role of FDG-PET scanning in the diagnosis of pulmonary nodules suspicious for lung cancer</i> European Respiratory Society, Joint ERS / JAMA session Amsterdam, Netherlands	Sept 29, 2015
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Course Instructor:

4 th year research elective - 6150 Special Studies : Surgery Research (4 students)	2009-present
4 th year Cardiothoracic SubI, Veterans Affairs Hospital Surg-5634-02	2008-2015

Medical School and Residency Teaching Activities:

<i>Course Instructor.</i> Third-Year Medical Student Suture Course Vanderbilt University Medical Center	2002-2004
<i>Night Call.</i> Clinical Management Course (MED 5792) Vanderbilt University Medical Center	Feb 3, 2003
<i>Peripheral Vascular Disease.</i> Surgical Resident Teaching Conference Vanderbilt University Medical Center	April 10, 2003
<i>Breast Cancer.</i> Surgical Resident Teaching Conference Vanderbilt University Medical Center	June 10, 2003
<i>Managing Fatigue.</i> Mandatory Faculty and Staff Web-Based Course Vanderbilt University Medical Center	2003-present
<i>Fatigue and Patient Safety.</i> Vanderbilt Surgical House staff Orientation Vanderbilt University Medical Center	June 30, 2003
<i>Surgical Night Call.</i> Clinical Management Course (MED 5792) Vanderbilt University Medical Center	Feb 2, 2004
<i>Documentation, Coding, and the Risk Adjusted Mortality Initiative</i> Surgical Resident Teaching Conference Vanderbilt University Medical Center	Aug 6, 2004
<i>Hemodynamic Monitoring.</i> Surgical Resident Teaching Conference Vanderbilt University Medical Center	July 18, 2005
<i>Pulmonary Segmentectomy.</i> Thoracic Surgery Conference University of Virginia	August 28, 2006
<i>Esophageal Cancer: Neoadjuvant Therapy.</i> Thoracic Surgery Conference University of Virginia	Feb 26, 2007
<i>Complications of Pneumonectomy.</i> Nursing Education Day University of Virginia	June 19, 2007

<i>Thoracoscopic Lobectomy.</i> Thoracic Surgery Conference University of Virginia	Dec, 11, 2007
<i>Proctor</i> Thoracic Resident Teaching Conference Vanderbilt University Medical Center	Quarterly 2008-present
<i>Decision Analysis</i> –Master’s of Public Health Program Vanderbilt University Medical Center	Oct 5, 2010 & Oct 7, 2008
<i>Bronchoscopy Course – Intern Class Lecture</i> Vanderbilt University Medical Center	Oct 8, 2009
<i>Proctor</i> General Surgery Resident Teaching Conference Vanderbilt University Medical Center	April 23, 2010
<i>Complications in Thoracic Surgery</i> Surgical Intensive Care Fellows Conference Vanderbilt University Medical Center	Feb 10, 2011, Dec 15, 2011, Feb 27, 2013 Dec 4, 2013 Oct 1, 2014 Feb. 22, 2017
<i>Proctor</i> Thoracic Surgery Resident Teaching Conference Vanderbilt University Medical Center	Monthly
<i>Proctor</i> General Surgery Mock Oral Boards Vanderbilt University Medical Center	May 18, 2012 Feb 15, 2013 Oct 31, 2014 April 7, 2017
<i>Proctor</i> Thoracic Surgery Mock Oral Boards - Biannually Vanderbilt University Medical Center	2008-present
<i>Barrett’s Esophagus</i> Resident Teaching Conference Vanderbilt University Medical Center	Jan 31, 2014
<i>Solitary Pulmonary Nodule</i> – 3 rd Year Medical Student Surgery Lecture – Quarterly Vanderbilt University School of Medicine	2008-present

RESEARCH PROGRAM

Current Research Support:

3U01CA152662-10S1 (Grogan / Deppen) 05/01/2016 – 08/31/2022
 NCI \$4,885,374
 Role: Contact PI
 Validation of biomarkers of Risk for the Early Detection of Lung Cancer
 We propose to test best candidate biomarkers of lung cancer developed at our and other institutions for added value in the assessment of the risk for, and diagnosis of, lung cancer compared to the standard of care.

VUMC/5U24CA086368 (Grogan PI) 04/01/2019 – 08/31/2022
 FHCRC/NCI \$262,288
 Role: Contact PI
 The Early Detection Research Network Data Management and Coordinating Center
 VUMC CORE: “Validating an integrated biomarker and imaging approach in the evaluation of indeterminate pulmonary nodules”
 The goal of this core funds proposal is to conduct a Phase 3 prospective biomarker validation study using the existing EDRN Clinical Validation Center (CVC) infrastructure to reclassify IPNs out of the intermediate risk category.

1R01CA252964-01A1 (Grogan / Baron MPI) 05/01/2021 – 04/30/2026
 NCI \$3,399,73
 Role: Contact PI

Title: Clinical Utility of Biomarkers Driven Management of Indeterminate Pulmonary Nodules

The goal of this application is to test the clinical utility of a biomarker-informed approach to the evaluation of indeterminate pulmonary nodules (IPNs).

5U01CA152662-09 -Supplement funds (Grogan / Deppen MPI) 5/01/16 - 8/31/22

NIH/NCI \$648,236

Role: Contact PI

Validation of Biomarkers of Risk for the Early Detection of Lung Cancer

The goal is to test a multidisciplinary approach for early detection of lung cancer, including the selection of the population with a validated clinical predictor rule, and to determine specifically the added value of molecular biomarkers to clinical and chest CT predictors of risk.

Lavin Family Lung Cancer Research Fund (Grogan) 02/07/19-present

Role: PI \$125,000

Goal: Funding will support research in the Department of Thoracic Surgery in the Section of Surgical Sciences at Vanderbilt University Medical Center to enroll patients in the CanVFun consortium.

Kitrell Family Lung Cancer Research Fund 2021-present

Role: PI \$20,000

Goal: Funding will support research in the Department of Thoracic Surgery in the Section of Surgical Sciences at Vanderbilt University Medical Center to train students in lung cancer research

Completed Research Support:

1 U01 CA 196405-01 (Massion PI) 7/01/15–6/30/20

NIH/NCI \$599,259

Role-Co-Investigator

Vanderbilt University School of Medicine

Title: Cellular, Molecular and Quantitative Imaging Analysis of Screening-Detected Lung Adenocarcinoma

2U01CA152662-06 Set aside funds (Massion PI) 2017-2019

NIH/NCI \$420,000

Role –Project PI – 10% effort

Project Title: Validation of Biomarkers of Risk for the Early Detection of Lung Cancer

Title: Using Biomarkers and imaging in fungal regions to improve lung cancer diagnosis

IK2 HX000758 (Grogan) 2011-2016

VA –Career Development Award 2 (10-024) with supplement (10-186) (\$743,000)

Role: PI

Tennessee Valley Healthcare System, Nashville, TN

Title: Decreasing Unnecessary Invasive Lung Cancer Diagnostic Procedures

VICC Thoracic Program Pilot 2015-2016

Vanderbilt University School of Medicine \$50,000

Role: Co-PI / Deppen

Title: Assessing fungal disease molecular biomarkers in the diagnosis of lung nodules

LC110237 (Grogan) 2012-2015

Department of Defense: Lung Cancer Research Program

Early Investigator Synergistic Award (\$200,000)

Role: PI

Vanderbilt University School of Medicine

Title: Prognosis of Lung Cancer: Heredity or Environment

R03HS021554 (Grogan)	2012-2014
Agency for Healthcare Research and Quality (AHRQ) (\$100,000)	
Role: PI	
Vanderbilt University School of Medicine	
Regional Variation of FDG-PET Scans to diagnose lung cancer	
NCI SPORE in Vanderbilt Lung SPORE Pilot Grant	2009-2011
Vanderbilt University School of Medicine \$30,000	
Role: PI	
Title: Biodistribution of ¹¹¹ In-DOTATATE observed during thoracoscopic resection of indeterminate lung nodules	
Vanderbilt Physician Scientist Development (VPSD) Program	2008-2010
Vanderbilt University School of Medicine \$150,000	
Role: PI, 80% effort	
Vanderbilt University School of Medicine	
Title: Predicting Lung Cancer with a Serum Protein Test	
Research Training Grant	
5K30HL04128 (Dittus)	2002-2004
Role: Trainee	
NIH K30 Vanderbilt University	

RESEARCH INTERESTS

Current Research Projects

Racial Disparities in Lung Cancer

Primary Investigators – Grogan & Aldrich

Predicting lung cancer in patients with suspicious pulmonary nodules

Primary Investigator – Grogan & Deppen

Evaluation of IgG/IgM to diagnose Histoplasmosis in Pulmonary Nodules

Primary Investigators – Grogan & Deppen

Biomarkers and Radiomics to diagnose lung cancer

Primary Investigators – Grogan, Deppen, Maldonado

Cost Effectiveness of Diagnostic strategies for IPN

Primary Investigators – Grogan & Deppen

Past Research Projects

Cost-Effective Lung Nodule Evaluation Strategies

Primary Investigator - Grogan

A Phase III Randomized Trial of Lobectomy versus Sublobar Resection for Small (less than or equal to 2 cm) Peripheral Non-Small Cell Lung Cancer

Institutional Investigator – Grogan, Protocol No.: ACOSOGTHOC140503

Use of Indium -DOTATATE to image and excise lung cancer

Primary Investigator – Grogan, Co-PI – Ron Walker, MD

Genomic and Proteomic signatures that predict lung cancer in patients with pulmonary nodules

Primary Investigator – Grogan, Mentors: Bill Putnam, MD, Pierre Massion, MD

Resource Utilization and Obesity in thoracic surgery (STS database study)

Primary Investigator – St. Julien, Mentor: Grogan

Reducing futile surgery for pulmonary nodules with a clinical and molecular prediction model highly specific for lung cancer. (ACOSOG Z4095)

Primary Investigator – Grogan

Diagnostic accuracy of FDG-PET scan in patients with suspected lung cancer.

Primary Investigator – Deppen, Mentor: Grogan

Delaying cancer operations in COVID Era

Primary Investigator – Shipe, Mentor: Grogan

PUBLICATIONS

Original Peer Reviewed Manuscripts

1. Jordan J, Shannon JR, **Grogan E**, Biaggioni I, Robertson D. A potent pressor response elicited by drinking water. *The Lancet* 1999; 353, issue 9154: 723 [PMID: 10073520](#)
2. **Grogan EL**, Wheeler WG, Ross CB. Management of incidentally discovered cervical paragangliomas: Report of two cases and review of the current issues. *Journal of the Kentucky Medical Association* 1999 Dec; 97: No 12, 559-565. [PMID: 10618853](#)
3. **Grogan EL**, Nylander WA, Shaffer D. Living Related Transplantation of an Ectopic Pelvic Kidney. *Transplantation* 2004 Mar; 76(6); 953. [PMID: 15077048](#)
4. Diaz JJ, Gray BW, Dobson JM, **Grogan EL**, May AK, Miller R, Guy J, O'Neill PJ, Morris JA. Repair of Giant Abdominal Hernias: Does the type of prosthesis matter? *American Surgeon* 2004 May; 70(5):396-401. [PMID 15156946](#)
5. Roumie CL, **Grogan EL**, Falbe W, Speroff T, Dittus R, Elasy TA. A Three Part Intervention to Influence HRT. *Annals of Internal Medicine*. 2004 Jul; 141:118-225. [PMID: 15262667](#)
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*Mentored paper

Manuscripts Accepted with Revisions, Under Review or in Preparation

1. Shipe, MA, Maiga AW, Deppen SA, , Mercaldo SF, Blume JD, Montgomery C, Vaszar, LT, Williamson, C, Regis, Isbell JM, Rickman OB, Pinkerman R, Lambright EL, Nesbitt JC, **Grogan EL**. The TREAT model 2.0: expanding lung cancer prediction to high risk (**In preparation Journal of Thoracic Oncology**)
2. Hannah Marmor, MD; Stephen A. Deppen, PhD; Valerie Welty, BS; Michael N. Kammer, PhD; Caroline M. Godfrey, MD; Khushbu Patel, MD; Fabien Maldonado, MD; Heidi Chen, PhD; Sandra L. Starnes, MD; David O. Wilson, MD, MPD; Ehab Billatos, MD; **Eric L. Grogan, MD, MPH**, "Improving Lung Cancer Diagnosis with Computed Tomography Radiomics and Serum Histoplasmosis Testing", *The Annals of Thoracic Surgery (under review)*
3. Hannah Marmor, MD; Laurel Jackson; Susan Gawel, PhD; Michael N. Kammer, PhD; Pierre P. Massion, MD; **Eric L. Grogan, MD, MPH**; Gerard J. Davis, PhD; Stephen A. Deppen, PhD, "Exploratory Algorithms to Aid in Malignancy Risk Prediction of Indeterminate Pulmonary Nodules", *Clinica Chimica Acta (under review)*

Invited Articles and Commentaries (non- peer reviewed)

1. **Grogan EL**, Jones DR. VATS / Robotic is better than open approaches in thoracic surgery: What is the evidence for short term outcomes. *Thoracic Surgery Clinics* 2008;18:249-258. [PMID: 18831499](https://pubmed.ncbi.nlm.nih.gov/18831499/)
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 9. Godfrey, CM, Marmor, H, Nesbitt, J, Grogan, E. Minimally-Invasive and Sublobar Resections for Lung Cancer. (Accepted to Surgical Clinics of North America, Cardiothoracic Surgery)
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Book Chapters

1. **Grogan EL**, Holzman MD. Gallstone Ileus. *Unbound Surgery*, TN Papas, GP Purcell, (eds). Unbound Medicine 2004, available at www.unboundsurgery.com.
 2. Deppen SA*, **Grogan EL**. Lung Cancer: Risk Factors and Diagnosis. Nova Publishers, 2013
 3. Maiga AW*, **Grogan EL**. Radioguided surgery of small pulmonary nodules. *Radioguided Surgery-Current Practice and Future Directions*, 2015 in press
- *Mentored chapter

Master's Thesis:

Documenting Patient Acuity level: The General Surgery Progress Note
Master of Public Health, Oral Defense
Vanderbilt University Medical Center

October 2003