

Lola B. Chambless, M.D.

née Lola Y. Blackwell

CURRICULUM VITAE

BIOGRAPHICAL

Current Position

Professor, Neurological Surgery
Professor (secondary appointments), Radiation Oncology, Otolaryngology
Residency Program Director, Neurological Surgery

Employment Address

Department of Neurological Surgery
Vanderbilt University Medical Center
T-4224 Medical Center North
1161 21st Ave., South
Nashville, TN 37232-2380

EDUCATION

Undergraduate

2001 B.S. Stanford University, Stanford CA
Major: Biological Sciences (*conferred with honors*)
Minor: International Relations

Doctoral

2005 M.D. Vanderbilt University School of Medicine, Nashville TN

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS

2005-2006 Internship Vanderbilt University School of Medicine, Nashville TN
Department of General Surgery

2006-2012 Residency Vanderbilt University School of Medicine, Nashville TN
Department of Neurological Surgery

2008-2010 Enfolded
Fellowship Vanderbilt University School of Medicine, Nashville TN
Department of Neurological Surgery
Neurosurgical Oncology, Mentor: Reid C. Thompson, M.D.

2012 Fellowship Centre for Minimally Invasive Neurosurgery, Sydney AUS
Neurosurgical Oncology, Mentor: Charles Teo, M.B.B.S

SPECIALTY BOARDS AND CERTIFICATIONS

<u>Licensure</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
Tennessee	48484	01/13/2013	01/13/2023

<u>Board Certification</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
American Board of Neurological Surgery	n/a	07/01/2017	06/30/2027

ACADEMIC APPOINTMENTS

2013- 2018	Assistant Professor	Vanderbilt University School of Medicine, Neurological Surgery
2019- 2023	Associate Professor	Vanderbilt University School of Medicine, Neurological Surgery
2019- 2023	Associate Professor	Vanderbilt University School of Medicine, Radiation Oncology
2022- 2023	Associate Professor	Vanderbilt University School of Medicine, Otolaryngology and HNS
2023-present	Professor	Vanderbilt University School of Medicine, Neurological Surgery, Radiation Oncology, and Otolaryngology and HNS

ADMINISTRATIVE APPOINTMENTS

2013- 2014	Assistant Residency Program Director,	Vanderbilt Dept. of Neurological Surgery
2014- 2018	Associate Residency Program Director,	Vanderbilt Dept. of Neurological Surgery
2018- present	Residency Program Director,	Vanderbilt Dept. of Neurological Surgery

HOSPITAL APPOINTMENTS

2012	Prince of Wales Hospital, Sydney, Australia
2013-present	Vanderbilt University Medical Center, Nashville TN
2013-present	Monroe Carrell Jr. Children’s Hospital at Vanderbilt, Nashville, TN
2013-present	Nashville Veterans Administration Medical Center, Nashville TN

PROFESSIONAL SOCIETIES

2005-present	Congress of Neurological Surgeons (CNS) <i>Executive Committee, 2017- present</i> <i>Member-at-Large, 2018-2020</i> <i>Appointed delegate to the CSNS, 2014-2018</i>
2005-present	American Association of Neurological Surgeons (AANS)
2005-present	Tennessee Neurosurgical Society <i>President, 2015</i>
2010-2018	Council of State Neurosurgical Societies (CSNS) <i>Socioeconomic Fellow, 2010-2011</i> <i>Secretary, Young Neurosurgeons Representative Section 2015-2018</i>
2013-present	North American Skull Base Society (NASBS) <i>Director-at-large, 2022 - present</i>
2013-present	CNS/AANS Joint Section on Tumors <i>Executive Committee, 2022-present</i>
2017-present	Southern Neurosurgical Society <i>Executive Committee, 2017-2019</i>
2020-present	Society of Neurological Surgeons (SNS) <i>Executive Council, 2022 - present</i>

PROFESSIONAL ACTIVITIES

Organizational Activities (Intramural)

2011-12	Housestaff Advisory Committee, Vanderbilt University
2012	McCleery Award Committee, Vanderbilt University <i>Chairperson</i>
2013-present	Skull Base Committee, Vanderbilt University
2013-present	Program Evaluation Committee, Vanderbilt Neurological Surgery Residency Program

	<i>Chairperson, 2018-present</i>
2013-present	Core Curriculum Committee, Vanderbilt Neurological Surgery Residency Program <i>Chairperson, 2013-2018</i>
2014-2019	Pituitary Program Task Force, Vanderbilt University
2016-2019	Promotion Committee, FMK Phase, Vanderbilt School of Medicine <i>Chairperson, 2017-2019</i>
2018-2021	Faculty Senate, Vanderbilt University
2018-2020	Faculty Life Committee, Vanderbilt University
2018-2020	Medical Student Education Committee, Vanderbilt Section of Surgical Sciences
2020	Search Committee, Chief of Trauma Surgery and Surgical Critical Care, Vanderbilt University
2020-2021	Faculty Grievance Committee, Vanderbilt University
2021	Search Committee, Chairperson of Otolaryngology, Vanderbilt University

Organizational Activities (Extramural)

2011-2013	Safety Committee, U.S. Equestrian Federation (USEF)
2011-2018	Neurotrauma Consultant, U.S. Equestrian Federation (USEF)
2013-2021	Unaffiliated Neurotrauma Consultant, National Football League (NFL)
2015-2016	Membership Committee, North American Skull Base Society (NASBS)
2017	Advisory Board Consultant, Abbvie Pharmaceuticals
2017-2018	Scientific Program Committee, Southern Neurosurgical Society
2017-2019	Scientific Program Committee, North American Skull Base Society (NASBS) <i>Director, Skull Base Primer Course 2019</i>
2017-2019	Executive Committee, Southern Neurosurgical Society
2017-2019	Faculty, Society of Neurological Surgeons (SNS) Junior Resident Boot Camp
2017-present	Executive Committee, Congress of Neurological Surgeons (CNS) <i>Ex-Officio board member, 2017-18, 2020-present</i> <i>Member-at-Large, 2018-2020</i>
2017-2021	Leadership Institute, Congress of Neurological Surgeons (CNS) <i>Vice-chairperson, 2017</i> <i>Co-chairperson, 2018-2021</i>
2017-2021	Committee on Data Science, Congress of Neurological Surgeons (CNS) <i>Chairperson, 2017-2019</i>
2018-2019	Consultant, Stryker Skull Base
2018-2019	Resident Committee, Congress of Neurological Surgeons (CNS) <i>Chairperson, 2018-2019</i>
2018-2023	Scientific Program Committee, Congress of Neurological Surgeons (CNS) <i>Vice-Chairperson, 2020-2021</i> <i>Chairperson, 2021-2022</i>
2018-2020	Website Committee, Society of Neurological Surgeons (SNS)
2019-2020	Education Division, Congress of Neurological Surgeons (CNS) <i>Vice-Chairperson, 2019-2020</i>
2019-2020	American College of Surgeons Summit on Surgical Training <i>Representative of the Congress of Neurological Surgeons (CNS)</i>
2019-2021	One Neurosurgery Summit on Professionalism and Competence in Neurosurgical Training <i>Representative of the Congress of Neurological Surgeons (CNS)</i>
2019-2021	Scholarship in Data Science, Congress of Neurological Surgery (CNS) <i>Scholarship director, chair of mentorship committee</i>

2020	Congress of Neurological Surgeons (CNS) Townhall Xperience <i>Course director, moderator and speaker for this weekly virtual event during the early COVID-19 pandemic</i>
2020	Navigating the Neurosurgical Match in 2020 – 4 part webinar series from the Congress of Neurological Surgeons (CNS) and the Society of Neurological Surgeons (SNS) <i>Course director, moderator and speaker</i>
2020-2021	Search Committee, Editor-in-Chief for Neurosurgery Publications
2020-present	Medical Student Committee, Society of Neurological Surgeons (SNS) <i>Chairperson 2022-2025</i>
2020-present	Annual Meeting Committee, Congress of Neurological Surgeons (CNS) <i>Chairperson, 2022-2023</i> <i>Senior Advisor, 2023 - 2024</i>
2021-present	American Board of Neurological Surgery (ABNS) <i>Guest Examiner, Oral Board Examination</i>
2022-present	Board of Directors, North American Skull Base Society (NASBS) <i>Director – at – Large 2022-2025</i>
2022-present	Executive Committee, AANS/CNS Joint Section on Tumors <i>Ex Officio member</i> <i>Vice-Chair, Subcommittee on Innovation and Technology</i>
2022-present	Consultant, Integra
2023-present	Fellowship Match Committee, North American Skull Base Society (NASBS)
2023-present	Public Relations and Marketing Committee, Congress of Neurological Surgeons (CNS) <i>Chairperson</i>
2023-present	Development Committee, Congress of Neurological Surgeons (CNS) <i>Chairperson</i>
2023-present	Social Media Committee, Congress of Neurological Surgeons (CNS) <i>Chairperson</i>
2023-present	Innovation Institute, Congress of Neurological Surgeons (CNS) <i>Senior Advisor</i>

Peer Review Activities

Ad hoc Reviewer

2012-2013	Clinical Medical Insights: Therapeutics
2012-2013	Medical Science Monitor
2013-2014	Cancer Causes and Control
2013-present	Journal of Neuro-Oncology
2013-present	World Neurosurgery
2013-present	Journal of Neurological Surgery Part B: Skull Base
2014-present	Neurosurgery
2020-present	Neurooncology
2022-present	Journal of Neurological Surgery
2022-present	Neurosurgery Reviews

Guest Editor

2021	Neurosurgical Focus <i>Robotics in Neurosurgery</i>
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2022 Neurosurgical Focus
Evolution of Radiation Therapy Techniques

Recognition

Awards, Honors

1997 U.S. Presidential Scholarship
1997 National Merit Scholarship
2001 Honors, Department of Biological Sciences, Stanford University
2001-2005 Canby Robinson Scholarship (full 4 year merit-based award), Vanderbilt School of Medicine
2004 Alpha Omega Alpha Society, Vanderbilt School of Medicine
2005 American Medical Women Association Award, Vanderbilt School of Medicine
2005 David Freely Award, Vanderbilt School of Medicine
2011 Best Resident Presentation, Tennessee Neurosurgical Society
2011 Outstanding Clinical Teacher, Vanderbilt School of Medicine
2011 Finalist, Association of Women Surgeons resident research contest
2012 Nashville Business Journal “40 Under 40” list
2015 Nashville Business Journal “Healthcare Heros” list
2022 Malis Lectureship, Mount Sinai Department of Neurological Surgery
2022 Kyle D. Weaver Award for Excellence in Resident Teaching, Vanderbilt University Department of Neurological Surgery
2022 Top Data Science Abstract, Congress of Neurological Surgeons Annual Meeting

TEACHING ACTIVITIES (since 2013)

Medical Student Lectures

2013 “Neurosurgery for the Non-Neurosurgeon” *Brain and Behavior Course, MS 2*
2013 “Neurosurgery 101” *Surgical Clerkship, MS 3*
2014 “Localization of Cranial Nerve Lesions” *Brain and Behavior Course, MS 2*
2014-present “Applying for Neurosurgical Residency” *Monthly during MS 4 subinternships*
2015 “Careers in Neurosurgery” *Careers in Medicine Elective*
2017 “Head Trauma and Concussion” *Brain and Behavior Course, MS 1*
2017 “Minimally Invasive Brain Surgery” *Neurosurgery Elective, MS 1-4*
2018 “Concussion and TBI” *Brain and Behavior Course, MS 1*
2018 – present “Becoming a Neurosurgeon” *Annually during Neurosurgery elective, MS 1-4*
2021- present “Program Director’s Panel” *Annual Elective session for MS4*

Graduate Student Lectures

2013 “Opportunities and Challenges in Minimally Invasive Neurosurgical Oncology”
Vanderbilt Institute for Surgical Engineering
2017 “Minimally Invasive Brain Surgery: A field in consolidation”
Vanderbilt Institute for Surgical Engineering

Resident, Fellow and Faculty Lectures

2013 “Neurosurgery Down Under – lessons learned from fellowship” *Neurosurgery Grand Rounds*
2013 “Neurosurgery Down Under – lessons learned from fellowship” *Neurootology Grand Rounds*
2013 “Vanderbilt Medical School Curriculum in Neurosurgery” *Neurosurgery Grand Rounds*

2015	“Pearls of Endoscopy” <i>Neurosurgery Grand Rounds</i>
2015	“Minimally Invasive Skull Base Surgery” <i>Neurootology Grand Rounds</i>
2015	“Visions for the Residency Program” <i>Neurosurgery resident teaching conference</i>
2015	“ICU Management of Patients with Brain Tumors” <i>ICU Nursing Workshop</i>
2016	“Risk Stratification in Meningioma Surgery” <i>Neurootology Grand Rounds</i>
2016	“Structural Updates to the Residency Program” <i>Neurosurgery resident teaching conference</i>
2016	“Paradigm Shifts in Treatment of Brain Metastases” <i>Palliative Care Grand Rounds</i>
2016	“Modern Management of Brain Metastases” <i>Primary Care Grand Rounds</i>
2016	“Match Policies and Notes for the Resident Interview Process” <i>Neurosurgery Grand Rounds</i>
2017	“Modern Management of Brain Metastases” <i>Oncology faculty teaching conference</i>
2017	“Modern Management of Brain Metastases” <i>Neurology resident teaching conference</i>
2017	“The Role of Surgery in the Management of Brain Metastases” <i>Radiation Oncology resident teaching conference</i>
2017	“CJD Protocol – Updates and New Insights” <i>Neurology Grand Rounds</i>
2017	“Glioma 2017: Updates for Neurosurgeons” <i>Neurosurgery Grand Rounds</i>
2017	“Pituitary Tumors” <i>Radiation Oncology resident teaching conference</i>
2018	“Vascular Injury in Skull Base Surgery” <i>Neurosurgery Grand Rounds</i>
2018	“Neurosurgery for Metastases” <i>Radiation Oncology resident teaching conference</i>
2018-present	“Program Director’s Journal Club” <i>Quarterly teaching session with neurosurgery residents</i>
2019	“Organized Neurosurgery 101” <i>Neurosurgery Grand Rounds</i>
2020-2022	“Neurosurgical Emergencies for the Critical Care Physician” <i>Pulmonary/Critical Care teaching conference</i>
2021	“The Disruptive Power of Big Data in Neurosurgery” <i>Neurosurgery Grand Rounds</i>
2021-present	“Pituitary Tumors – Surgical Perspective” <i>Annual lecture in Endocrinology fellows conference</i>
2022	“The Board and You – ABNS update” <i>Neurosurgery Grand Rounds</i>
2022	“Guide to Management of CSF-related Complications of Surgery in the Anterior Skull Base” <i>Rhinology Fellow’s Conference</i>
2022	“Mentorship in Neurosurgery – Workshop for Residents and Faculty” <i>Neurosurgery Grand Rounds</i>

Clinical Instruction

Undergraduates

2013 – present	Host for Vanderbilt University students in clinic and operating room for a semester at a time through the medical careers interest group
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Medical Students

2013 – 2017	Director, Neurosurgery Clerkship <i>revised course in 2013</i>
2013 – present	Director, Neurosurgery Advanced Clinical Elective <i>developed course in 2013, expanded 2020</i>
2014 – 2019	Director, “Multidisciplinary Management of Brain Tumors” elective <i>developed course in 2014</i>
2016 – present	Faculty, “Careers in Medicine” elective

Neurosurgery Residents

2013 – present	Supervising faculty teaching surgical techniques, outpatient and inpatient management of neurosurgical patients daily. Faculty director of resident clinic.
2013 – 2014	Assistant Residency Program Director
2014 – 2018	Associate Residency Program Director
2018 – present	Residency Program Director

Otolaryngology Fellows

2013 – present Supervising faculty for fellows in Rhinology and Neurootology

Research Instruction

2013 Supervisor, Emphasis Project, Vanderbilt School of Medicine (Laila Hassam-Malani, BS)
 2013 Supervisor, Neuroscience Honors Project, Vanderbilt University (Daniel Brill)
 2013 – 2019 Supervisor, Neuroscience 292a, Undergraduate Research, Vanderbilt University
 (Mohammad Chauhan, Alice Song, Madeline Sherburn)
 2013 – present Faculty advisor, Research Immersion, Vanderbilt School of Medicine
 (complete list of students below)
 2016 – 2017 Supervisor, Vanderbilt Medical Scholars Program (Whitney Muhlestein, BS)
 2019 – 2020 Supervisor, Vanderbilt Medical Scholars Program (Meredith Monsour, BS)
 2019 – 2021 Scholarship Director, Data Science Scholarship, Congress of Neurological Surgeons (Matthew Pease, MD, Resident in Neurological Surgery, University of Pittsburgh Medical Center)

Research MentorshipResidents:

2012 – 2014	Lucy He, M.D.	Current position: Attending Neurosurgeon, Anchorage AK
2012 – 2015	Heather Kistka, M.D.	Current position: Attending Neurosurgeon, South Bend IN
2013 – 2015	Tom O'lynnnger, M.D.	Current position: Attending Neurosurgeon, Greenville SC
2012 – 2015	Rebecca Reynolds, M.D.	Current position: Fellow in Pediatric Neurosurgery, Johns Hopkins All Childrens
2012 – 2020	Akshikumar Mistry, M.D.	Current position: Assistant Prof of Neurosurgery, Univ of Louisville
2013 – 2020	Saniya Godil, MBBS	Current position: Assistant Prof of Neurosurgery, Cooper Univ
2015 – 2022	Patrick Kelly, M.D.	Current position: Assistant Prof of Neurosurgery, Vanderbilt
2014 – 2017	Michael Dewan, M.D.	Current position: Assistant Prof of Neurosurgery, Vanderbilt
2014 – 2017	Peter Morone, M.D.	Current position: Assistant Prof of Neurosurgery, Vanderbilt
2014 – 2020	Scott Zuckerman, M.D.	Current position: Assistant Prof of Neurosurgery, Vanderbilt
2015 – 2018	Ryan Cleary, MD	Current position: Attending Radiation Oncologist, Chattanooga TN
2015 – present	Silky Chotai, MBBS	Current position: PGY 7 Neurosurgery resident, Vanderbilt
2017 - 2018	Mohamed Khattab, MD	Current position: Attending Radiation Oncologist, Minneapolis MN
2018 – present	Meredith Monsour	Current Position: PGY 3 Neurosurgery resident, Vanderbilt
2019 – 2022	Aaron Yengo-Kahn, MD	Current position: Pediatric Neurosurgery Fellow, Univ Utah
2020 - present	Robert Dambrino, MD	Current position: PGY 6 Neurosurgery resident, Vanderbilt
2020 – 2022	Michael Feldman, MD	Current position: Pediatric Neurosurgery Fellow, UAB
2021 – present	Campbell Liles, MD	Current Position: PGY 5 Neurosurgery resident, Vanderbilt
2021 – 2023	Steven Roth, MD	Current position: Spine Surgery Fellow, Columbia
2022 – present	Naveed Kamal, MD	Current position: PGY 6 Neurosurgery resident, Vanderbilt
2023 – present	Breanne Reisen, MD	Current position: PGY 2 Neurosurgery resident, Vanderbilt

Graduate Students:

2016 – 2020	Justine Sinnaeve, PhD	Current position: Medical Writer, Ashfield MedComms
2018 – 2021	Nalin Leelatian, MD, PhD	Current position: Neuropathology Fellow, Vanderbilt

Medical Students:

2012	Laila Hassam-Malani	Current position: Attending Neurosurgeon, Dallas TX
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2012	Walter Jermakowski	Current position: Attending Neurosurgeon, Cookville TN
2013 – 2015	Travis Ladner	Current position: Neurosurgery resident, Mt. Sinai
2013 – 2016	Arash Nayeri	Current position: Internal Medicine Attending, UCLA
2014 – 2016	Gabrielle White-Dzuro	Current position: Anesthesia Attending, MGH
2014 – 2016	Mark Prablek	Current position: Neurosurgery resident, Baylor University
2015 – 2017	Justiss Kallos	Current position: Neurosurgery resident, UPMC
2015 – 2020	Andrew Hale	Current position: Neurosurgery resident, UAB
2016 – 2019	Whitney Muhlestein	Current position: Neurosurgery resident, University of Michigan
2020 – 2021	Vamsi Reddy	Current Position: Industry Consultant
2021 – 2022	Bradley Guidry	Current Position: Neurosurgery resident, UTSW
2021 – present	Alex Ortiz	Current Position: Radiology resident
2021 – present	Alan Tang	Current Position: Neurosurgery resident, Vanderbilt
2021 – present	Stefan Koester	Current Position: Medical student, Vanderbilt
2021 - 2023	Jeff Chen	Current Position: Neurosurgery resident, Baylor
2022 – present	Akshay Bhamidipati	Current Position: Medical student, Vanderbilt
2022 – present	Temitope Oshinowo	Current Position: MSTP student, Rutgers
2022- present	Michael Rallo	Current Position: MSTP student, Rutgers
2022- present	Jacob Jo	Current Position: Medical Student, Vanderbilt
2022 – present	Rishabh Gupta	Current Position: Medical Student, University of Minnesota

Career Mentorship (in addition to above)

Individual Advisees and start dates

2013	Katie Kudyba (Vanderbilt medical student)
2013	Harish Krishnamoorthi (Vanderbilt medical student)
2013	Sina Omran (Vanderbilt medical student)
2013	Ilyas Eli (Vanderbilt medical student)
2013	Elliott Min (Vanderbilt medical student)
2013	Magarya Waitara (Meharry medical student)
2013	Tunde Babatunde (Meharry medical student)
2013	Kelly Gassie (ETSU medical student)
2013	Ato Wallace (Meharry medical student)
2014	Gakwaya Habiyaremye (Meharry medical student)
2014	George Yang (Vanderbilt medical student)
2014	Ken Maynard (Preliminary surgery resident)
2014	Hannah Huth (Vanderbilt undergraduate)
2014	Abraham Alvarado (Vanderbilt medical student)
2014	Ritwik Bhatia (Vanderbilt medical student)
2014	Diana Douleh (Vanderbilt medical student)
2014	Kevin Kumar (Vanderbilt MSTP student)
2015	Gabby DeCarlo (Vanderbilt medical student)
2015	Stephen Mendenhall (Vanderbilt medical student)
2015	Aaron Yengo-Kahn (Vanderbilt medical student)
2015	Adipong Brickshawana (Vanderbilt medical student)
2015	Timmy Ariyo (Meharry medical student)
2015	Clint Morgan (Vanderbilt medical student)
2016	Pratik Talati (Vanderbilt MSTP student)
2016	Jaims Lim (Vanderbilt medical student)

2016	Dagoberto Esteban (Vanderbilt medical student)
2017	Jonathan Dallas (Vanderbilt medical student)
2017	Mohamed Khattab Vanderbilt (Radiation Oncology resident)
2017	Amy McManus (Vanderbilt Preliminary surgery resident)
2017	Cam Bermudez (Vanderbilt MSTP student)
2018	Ni Mummareddy (Vanderbilt medical student)
2018	David Cameron Liles (Vanderbilt medical student)
2018	Deke Blum (Vanderbilt medical student)
2018	Andrew Legaretta (Vanderbilt medical student)
2018	Steven Monk (Vanderbilt medical student)
2019	Bavly Farhoud (ETSU medical student)
2019	Jonathan Dallas (Vanderbilt medical student)
2019	Daniel Wolfson (Vanderbilt medical student)
2020	Sumeeth Jonathan (Vanderbilt MSTP student)
2020	Natalie Hibshman (Vanderbilt medical student)
2020	Andrew Hale (Vanderbilt MSTP student)
2020	Katherine Kelly (Vanderbilt medical student)
2020	Matthew Lan (Vanderbilt medical student)
2020	Pious Patel (Vanderbilt medical student)
2020	Sanjana Salawi (Vanderbilt medical student)
2020	Jeremy Guinn (Meharry medical student)
2020	Tanya Singh (Vanderbilt Preliminary surgery resident)
2020	Inam Kahn (Vanderbilt Preliminary surgery resident)
2020	Randy Ahluwalia (Florida State medical student)
2020	Neha Siddiqui (University of Illinois medical student)
2020	Candace Grisham (Vanderbilt MSTP student)
2021	Palvasha Deme (UTSW medical student)
2021	Sophie Halper (premedical student)
2021	Bradley Guidry (Vanderbilt medical student)
2021	Chi Le (Vanderbilt medical student)
2021	Hernan Gonzalez (Vanderbilt MSTP student)
2021	Alvin Onyewuanyi (Rosalind Franklin medical student)
2021	Jackson Allen (Vanderbilt medical student)
2021	Rut Thakkar (Vanderbilt medical student)
2021	Caren Stuebe (Texas A&M medical student)
2022	Taylor McDonald (Vanderbilt undergraduate)
2022	Adena Zadourian (Alabama College of Osteopathic Medicine medical student)
2022	Gabriel Bendfeldt (Vanderbilt medical student)
2022	Busha Hika (University of Missouri medical student)
2022	Maddie Mendlyn (University of Colorado medical student)
2023	Graham Johnson (Vanderbilt MSTP student)
2023	William Mualem (Temple PGY 1 surgery resident)

Organizational Mentorship

2013	GAINS Mentor (Girls Advancing in STEM Community)
2013 – present	Women in Surgery interest group, Vanderbilt School of Medicine
2013 – present	Faculty adviser for Vanderbilt AANS Medical Student Chapter

2015 – present Mentor, Winterim Program, Harpeth Hall School

Research Support

VR8170	Chambless (PI)	\$2,000	2013
VICTR (Vanderbilt Institute for Clinical and Translational Research)			
<i>Predictive Ability of Karnofsky Performance Scale in Glioblastoma Survival</i>			
Role: PI			
VR17625	Chambless (PI)	\$2,000	2015
VICTR			
<i>Differentiating Meningioma Grade by Imaging Features on MRI</i>			
Role: PI			
5RO1NS049251	Miga (PI)	\$3,466,573	08/2015-07/2020
NIH/NINDS			
<i>Multimodal Registration of the Brain's Cortical Surface</i>			
Role: Co-investigator (10% effort)			
VR19224	Chambless (PI)	\$2,438	2016
<i>Improving Patient Follow-up Post-Meningioma Resection</i>			
Role: PI			
Ann Faulkenberry Memorial Award	Ihrle/Irish (PIs)	\$70,000	2017-2018
Southeastern Brain Tumor Foundation			
<i>Dissecting the Contribution of the Niche and Immune Cells to Patient Outcomes Using Single Cell Protein Measurements</i>			
Role: Co-investigator			
VR54147	Chambless (PI)	\$5,000	2019
<i>Red Blood Cell Distribution Width in Glioblastoma</i>			
Role: PI			
Steven Volland Neurooncology Research Award	Chambless (PI)	\$5,000	2021
<i>Deep learning models for pituitary tumors and high-grade gliomas</i>			
Role: PI/Faculty advisor for Dr. Silky Chotai			
VUMC Section of Surgical Science	Chambless (PI)	Full biostatistics support	2021
<i>Conditional Recurrence Free Survival Following Surgical Resection of Intracranial Meningioma</i>			
Role: PI			

PUBLICATIONS AND PRESENTATIONS

Peer Reviewed Publications:

1. **Chambless LB**, Angel FB, Xia F, Abel T, Weaver KD. Delayed cerebral radionecrosis following Treatment for a plasmacytoma of the skull. *Surgical Neurology International* 2010;1:65.

2. **Chambless LB**, Thompson RC. Low grade glioma – current concepts and controversies. *Neurosurgery Quarterly* 2010;20(3):173-179.
3. Highfield HN, **Chambless LB**, Carson R, Coffin C, Pearson MM, Abel T. Resolution of quadriplegia after resection of an immature intramedullary teratoma in an infant. *Journal of Neurosurgery, Pediatrics* 2010;6(6):586-91.
4. Forbes JA **Chambless LB**, Wushensky CA, Smith JG, Lebow RL, Alvarez J, Pearson MM. T2 signal intensity of cerebellar neoplasms in pediatric patients can be used to guide preoperative staging of the neuraxis. *Journal of Neurosurgery, Pediatrics* 2011;7(2):165-74.
5. Forbes JA, Wilkerson JC, **Chambless LB**, Russell PT, Weaver, KD, Allen S, Utz A. Safety and cost-effectiveness of early discharge following microscopic transsphenoidal resection of pituitary lesions. *Surgical Neurology International* 2011;2:66.
6. Stevenson CB, **Chambless LB**, Rini DA, Thompson RC. Bilateral infraoptic A1 arteries in association with a craniopharyngioma: case illustration and review of the literature. *Surgical Neurology International* 2011;2:89.
7. Xu H, Asman AJ, Singh E, **Chambless L**, Thompson RC, Landmann BA. Collaborative Labeling of Malignant Glioma. *International Symposium on Biomedical Imaging* 2012:1148-51.
8. **Chambless LB**, Forbes JA, Mawn L, Thompson RC. Porous polyethylene implant Reconstruction of the orbit after resection of spheno-orbital meningiomas: A novel technique. *Journal of Cranio-Maxillo-Facial Surgery* 2012; 40(1):e28-32.
9. **Chambless LB**, Parker SL, Hassam-Malani L, McGirt MJ, Thompson RC. Type 2 diabetes mellitus and obesity are independent risk factors for poor outcome in high-grade glioma. *Journal of Neuro-Oncology* 2012; 106(2):383-9.
10. Xu Z, Asman AJ, Singh E, **Chambless LB**, Thompson RC, Landman B. Segmentation of malignant gliomas through remote collaboration and statistical fusion. *Medical Physics* 2012;39(10):5981-9.
11. Singh E, Asman AJ, Xu Z, **Chambless L**, Thompson R, Landman BA. Collaborative labeling of malignant glioma with WebMILL: A first look. *Proceedings – Society of Photo-Optical Instrumentation Engineers* 2012; 5:8318.
12. Asman AJ, **Chambless LB**, Thompson RC, Landman B. Out-of-atlas Likelihood estimation using multi-atlas segmentation. *Medical Physics* 2013;40(4):043702.
13. Chaichana KL, Pendleton C, **Chambless LB**, Camara-Quintana J, Nathan J, assam-Malani L, Li G, HarshGR, Thompson RC, Lim M, Quinones-Hinojosa A. Multi-institutional validation of a pre-operative scoring system which predicts survival for patients with glioblastoma. *Journal of Clinical Neuroscience* 2013;20(10):1422-6.
14. **Chambless LB** and Teo C. Innovations in the surgical treatment of gliomas. *Innovative Neurosurgery* 2013;1(3-4):137-43.
15. Kumar A, Miga M, Pheiffer T, **Chambless L**, Thompson R, Dawant B. Automatic tracking of intraoperative brain surface displacements in brain tumor surgery. *IEEE Engineering in Biomedical Science Society* 2014:1509-12
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20. Zuckerman SL, Chanbour H, Haizel-Cobbina J, **Chambless LB**, Chitale RV, Dewan MC. Neurosurgery residency education in the post COVID-19 era: planning for the future. *World Neurosurgery* 2022 Feb;158:312-313.
21. Roth SG and **Chambless LB**. Editorial: Assessing treatment response following stereotactic body radiotherapy for spinal metastases. *Neurosurgery Focus*. 2022 Nov;53(5):E11
22. Sahgal A, Sheehan JP, Niranjana A, **Chambless LB**, Ma L, Trifiletti DM. Introduction: Evolution of radiation therapy techniques. *Neurosurgery Focus*. 2022 Nov;53(5):E1.

Peer-Reviewed Presentations at Scientific Meetings:

This list of several hundred abstract presentations is available upon request.

Visiting Professorships:

1. Man Vs. Machine? Balancing Data with the Art of Medicine. Visiting Professor, Mount Sinai Digital Neuro Symposium, New York NY, December 2018.
2. The Disruptive Force of Big Data in Neurosurgery. Visiting Professor, Beth Israel Deaconess Medical Center/Harvard Department of Neurosurgery, Boston MA, January 2021.
3. The Disruptive Force of Big Data in Neurosurgery. Visiting Professor, University of West Virginia Department of Neurological Surgery, Morgantown WV, February 2021.
4. The Disruptive Force of Big Data in Neurosurgery. Visiting Professor, Stanford University Department of Neurosurgery, Stanford CA, March 2021.
5. The Disruptive Force of Big Data in Neurosurgery. Visiting Professor, Duke University Department of Neurosurgery, Durham NC, April 2021.
6. Revolution on the Horizon: AI in Neurosurgery. Visiting Professor, Mayo Clinic Scottsdale, Scottsdale AZ, February 2022.
7. Revolution on the Horizon: AI in Brain Tumor Surgery. Malis Lecture and Visiting Professorship, Mount Sinai Department of Neurosurgery, New York, New York, March 2022.
8. Revolution on the Horizon: AI in Neurosurgery. Visiting Professor, Thomas Jefferson Department of Neurosurgery, Philadelphia PA, April 2022.
9. The Future of the Neurosurgery Match. Visiting Professor, Brigham and Women's Hospital Department of Neurosurgery, Boston MA, October 2022.
10. The Future of the Neurosurgery Match. Visiting Professor, University of California Irvine Department of Neurosurgery, Irvine CA, November 2022.
11. The Future of the Neurosurgery Match. Visiting Professor, Northwell Health Department of Neurosurgery, New York NY, November 2022.
12. The Future of the Neurosurgery Match. Visiting Professor, Mayo Clinic Jacksonville FL, February 2023.
13. AI in Skull Base Surgery. Guest faculty for the UPMC Course in Endoscopic Skull Base Surgery, University of Pittsburgh Department of Neurosurgery, Pittsburgh PA, April 2023.
14. The Future of the Neurosurgery Match *and* Complication Avoidance in Surgery for Acoustic Neuroma. Visiting Professor, University of Texas, Southwestern Department of Neurological Surgery, Dallas Texas, October 2023.

Other Invited Lectures and Panels:

1. Current Management of Glioblastoma Multiforme. Tennessee Neurosurgical Society Annual Meeting, Nashville TN, August 2007.
2. The Epidemiology of Glioma. Tennessee Neurosurgical Society Annual Meeting, Nashville TN, August 2008.

3. Nerve Sheath Tumors: Pathophysiology and Molecular Characterization. Tennessee Neurosurgical Annual Meeting, Nashville TN, August 2009.
4. Outcomes-based Decision Making in the Management of Brain Tumors. Nashville Surgical Society, Nashville TN, January 11 2011.
5. Premorbid Metabolic Conditions and Prognosis in High-Grade Glioma. International Neuro-Oncology Update, Nashville TN, September 2011.
6. Minimally Invasive Surgery for Brain Tumors: A Holistic Paradigm. Tennessee Neurosurgical Society Annual Meeting, Nashville TN, August 2013.
7. Making “Minimally Invasive” Maximally Successful. Tennessee Neurosurgical Society Annual Meeting, Memphis TN, August 2014.
8. Risk Stratification in Postoperative Meningioma Patients. International Neuro-Oncology Update, Cortona Italy, July 2015.
9. Endoscopic Skull Base Repair and Management of CSF Complications. Advanced Antero-Lateral Skull Base Dissection Course, Nashville TN, July 2015.
10. Pitfalls and Complications in Anterior Cranial Base Surgery Panel. Advanced Antero-Lateral Skull Base Dissection Course, Nashville TN, July 2015.
11. Parental Leave in Neurosurgery Residency. Society of Neurological Surgeons Annual Meeting, Indianapolis IN, June 2016.
12. Approaches to the Sella: Medical Decision Making. Advanced Antero-Lateral Skull Base Dissection Course, Nashville TN, August 2016.
13. Prevention and Management of CSF Leaks in Anterior Skull Base Surgery Panel. Advanced Antero-Lateral Skull Base Dissection Course, Nashville TN, August 2016.
14. Benign CNS Neoplasm Panel: Neurosurgical Perspective. American Society for Radiation Oncology Annual Meeting, Boston MA, September 2016.
15. Mock CNS Tumor Board Panel: Neurosurgical Perspective. Society of Neuro-Oncology Annual Meeting Education Day, Scottsdale AZ, November 2016.
16. Pregnancy, Parenthood and the Skull Base Surgeon. North American Skull Base Society Annual Meeting, New Orleans LA, March 2017.
17. Eyebrow, Eyelid, and Pterional Approaches to Anterior Skull Base Meningiomas. North American Skull Base Society Annual Meeting, New Orleans LA, March 2017.
18. Informed Consent. Society of Neurological Surgeons Junior Resident Boot Camp, St. Louis MO, April 2017.
19. Concussion: Definition, Demographics, Signs and Symptoms. American Association of Neurological Surgeons Practical Clinics, Los Angeles CA, April 2017.
20. Controversies in the Treatment of Benign Skull Base Neoplasms Panel: Neurosurgical Perspective. American Society for Radiation Oncology Annual Meeting, San Diego CA, September 2017.
21. Big Data Symposium (organizer and moderator.) Congress of Neurological Surgeons Annual Meeting, Boston MA, October 2017.
22. Arterial Injuries During Skull Base Surgery: What to Expect When You are Called to the OR. AANS/CNS Joint Cerebrovascular Section Annual Meeting, Los Angeles CA, January 2018.
23. What Can MRI Tell Us About Meningiomas? North American Skull Base Society Meningioma Education Day, San Diego CA, February 2018.
24. Targeted Therapy for Craniopharyngiomas. North American Skull Base Society Annual Meeting, San Diego CA, March 2018.
25. Mentoring and Coaching in Leadership (organizer, moderator, speaker.) Congress of Neurological Surgeons Leadership in Healthcare Course, Chicago IL, May 2018.
26. Innovation in Neurosurgical Residency Education. University of California, San Diego Dept of Neurological Surgery, San Diego CA, May 2018.

27. Big Data: Core Principles of Data Science for Neurosurgeons. Practical course, Congress of Neurological Surgeons Annual Meeting, Houston TX, October 2018.
28. Bicoloral and Retrosigmoid Craniotomies. Stryker Skull Base Resident Course, Salt Lake City UT, January 2019.
29. Skull Base Primer Course (organizer and moderator.) North American Skull Base Society Annual Meeting, Orlando FL, February 2019.
30. Leadership in Healthcare (organizer, moderator, speaker.) Congress of Neurological Surgeons Leadership in Healthcare Course, Chicago IL, Annual, May 2018- 2021
31. The CNS Journey in Leadership. Society of Neurological Surgeons Annual Meeting, Seattle WA, May 2019.
32. The Revolution of Data in Neurosurgery. Keynote lecture, NeuroSafe, Minneapolis MN, August 2019.
33. Acoustic Neuroma: Expert Panel. Congress of Neurological Surgeons Annual Meeting, San Francisco CA, October 2019.
34. CNS Mission in Data Science. Practical Course, Congress of Neurological Surgeons Annual Meeting, San Francisco CA, October 2019.
35. Training the Trainers: how does the CNS educate the next generation? Practical Course, Congress of Neurological Surgeons Annual Meeting, San Francisco CA, October 2019.
36. Complications in Skull Base Surgery: Expert Panel. Congress of Neurological Surgeons Annual Meeting, San Francisco CA, October 2019.
37. SRS for Chordoma. North American Skull Base Society Annual Meeting, San Antonio TX, February 2020.
38. From Bench to OR: How Understanding Glioma Biology Can Improve Surgical Strategies. Brazilian Neurosurgical Society (SBN) – CNS – Moroccan Society of Neurosurgery (SMNC) Joint International Neurosurgery Symposium, July 2020
39. CNS Town Hall Xperience (course director, moderator, speaker.) Weekly virtual town hall series on managing the COVID-19 crisis in neurosurgical practices, Congress of Neurological Surgeons, May – July 2020.
40. Natural Language Processing in Neurosurgery. Plenary speaker, Brigham and Women’s Hospital/Harvard Department of Neurosurgery Computational Data Neuroscience Symposium, Virtual, October 2020.
41. CNS/SNS 4-part Webinar series for medical students (course director, moderator, speaker.) Navigating the Neurosurgery Match in 2020, Congress of Neurological Surgeons and Society of Neurological Surgeons, July – November 2020.
42. Virtual Recruitment, Standardized Interviews...This is Not Your Father’s Neurosurgery Match. Society of Neurological Surgeons Annual Meeting, Austin TX, November 2021.
43. Program Director Town Hall (course director) Congress of Neurological Surgeons Annual Meeting, Austin TX, October 2021.
44. Stereotactic Radiosurgery for Acoustic Neuroma. (speaker, panelist) Congress of Neurological Surgeons Annual Meeting, Austin TX, October 2021.
45. Artificial Intelligence in Skull Base Surgery, North American Skull Base Society webinar, November 2021.
46. Spine Surgery in 2021, Virtual Global Spine Conference, November 2021.
47. Can AI Predict Meningioma Behavior? North American Skull Base Society, Phoenix AZ, February 2022.
48. My Worst Complication in my First Year of Practice, American Association of Neurological Surgeons Annual Meeting, Philadelphia PA, April 2022.
49. Mentors, Coaches and Sponsors, Oh My! Society of Neurological Surgeons Annual Meeting, Detroit MI, May 2022.
50. Do Not Pass Go: What to Do When Facing Disciplinary Action in Residency, Congress of Neurological Surgeons Annual Meeting, San Francisco CA, October 2022.
51. Managing Complications in a Complex Cranial Practice. Congress of Neurological Surgery Tumor Complications Course, Nashville TN, January 2023.

52. Whom to Interview? A Data Driven Approach to Resident Selection. Society of Neurological Surgeons Annual Meeting, Dallas TX, May 2023
53. Complication Avoidance in Acoustic Neuroma Surgery. Congress of Neurological Surgeons Fellows Course in Skull Base Surgery, August 2023.
54. Do Not Pass Go: What to Do When Facing Disciplinary Action in Residency, Congress of Neurological Surgeons Annual Meeting, Washington D.C. September 2023.
55. Anterior Skull Base Surgery Expert Panel, Vanderbilt Rhinology premeeting course, American Academy of Otolaryngology and Head and Neck Surgery Annual Meeting, Nashville TN, October 2023.

Outreach and Community Education:

1. Head Injuries in Equestrian Athletes. United States Equestrian Federation Board Meeting, Lexington KY, January 2011.
2. From the Tack Room to the Operating Room – Leadership Lessons from the USPC. United States Pony Clubs annual meeting, Nashville TN, January 2011.
3. Traumatic Brain Injuries in Polo Players. United States Polo Association Annual Meeting, Wellington FL, April 2011.
4. Traumatic Brain Injuries in Equestrian Athletes. Given at the Riders for Helmets symposium, Lexington KY, July 2011.
5. Traumatic Brain Injury in Equestrian Sport. Webinar given for Riders For Helmets, June 2013.
6. Head Injury in Equestrian Sport. United States Equestrian Federation Board Meeting, Gladstone NJ, June 2016.
7. Traumatic Brain Injury in Equestrian Competition. United States Hunter and Jumper Association Annual Meeting, Palm Springs CA, December 2016.
8. Welcome to the Barn: Concussion Training with Dr. Lola Chambless (podcast) December 2016.
<https://tunein.com/radio/Welcome-to-the-Barn-p918656>
9. Concussions and Helmet Safety with Dr. Lola Chambless (educational video) January 2017
<https://www.usef.org/learning-center/videos/concussions-signs-symptoms-helmet-safety>
10. Concussion in Equestrian Sport: An Update. United States Equestrian Federation Annual Meeting, Lexington KY, January 2017.
11. Social Media and Residency Programs. Webinar for the Congress of Neurological Surgeons, November 2017.
12. Traumatic Brain Injury in Equestrian Sport. United States Hunter and Jumper Association Annual Meeting, San Antonio TX, December 2017.
13. Are You Current on Concussions? The Chronicle of the Horse, March 5, 2018.
<http://read.uberflip.com/i/944304-february-26-march-5-2018/35>
14. Interview on Newsy's "The Why" January 23, 2018. <https://www.youtube.com/watch?v=XwSv1S7QB90>
15. TV Interview on Fox News National November 12, 2019 regarding President Carter and subdural hematomas
16. Interview for AP National featured in >200 news outlets with >10 million page views on subdural hematomas November 12, 2019 (example link)
<https://www.seattletimes.com/nation-world/nation/former-president-jimmy-carter-enters-hospital-for-surgery-2/>
17. New England Journal of Medicine Resident 360: More than a passing interest: The USMLE goes binary. Expert discussant, March 2020.
18. New England Journal of Medicine Resident 360: Applying and interviewing for residency in a COVID-19 world. Expert discussant, July 2020.
19. Vanderbilt Health DNA Podcast. Being human: Neurosurgeons on the unknown. August 2020,
<https://definingpersonalizedcare.vanderbilthealth.com/episode-4>
20. Neurosurgery Podcast: Spotcheck: early interview experiences. A conversation with Dr. Lola Chambless, December 2020. <https://soundcloud.com/user-838542034/the-2020-match>

21. Inside the Match: Tips from a Neurosurgery program director August 2021
<https://podcasts.apple.com/us/podcast/inside-the-match/id1532708263?i=1000531388466>
22. Neurosurgery Podcast: Residency Spotlights, October 2021
<https://www.iheart.com/podcast/269-neurosurgery-podcast-55238434/episode/residency-spotlights-wvu-ut-galveston-vanderbilt-89675358/>
23. Neurosurgery Podcast: Looking back, to the future.
November 2021 <https://soundcloud.com/user-838542034/interview-season-2021-looking-back-to-the-future>
24. Women in Neurosurgery Symposium on Careers in Neurosurgery, panelist April 2022
25. Neurosurgery Podcast: Moral distress and moral injury in neurosurgery attendings, interviewer May 2022
26. Future Leaders in Neuroscience Symposium for Underrepresented Students, panelist September 2022
27. Women in Neurosurgery Panel on Research Careers in Neurosurgery, panelist August 2023.
28. Women in Neurosurgery Panel on Mentorship, panelist October 2023.

Professional Twitter accounts: @Lola_Chambless and @VUMC_Neurosurg