CURRICULUM VITAE

Bernard Rousseau, Ph.D., MMHC, CCC-SLP, ASHA Fellow
Dean, Doisy College of Health Sciences
Professor of Otolaryngology and Speech, Language and Hearing Sciences
Saint Louis University

BIOGRAPHICAL

Name:	Bernard Rousseau, Ph.D., MMHC, CCC-SLP, ASHA Fellow
Business Address:	Saint Louis University Doisy College of Health Sciences Office of the Dean 3437 Caroline Street, Suite 3113 Saint Louis, MO. 63104-1111
Business Phone:	314-977-8613 (Sue McGahan, Assistant to the Dean)
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EDUCATION and TRAINING

UNDERGRADUATE:

1996-1998	University of Central Florida Orlando, Florida	B.S. 1998	Communicative Disorders

GRADUATE:

1998-2000	University of Central Florida Orlando, Florida	M.A. 2000	Communicative Disorders
2000-2004	University of Wisconsin Madison, Wisconsin	Ph.D.2004	Communicative Disorders
2015-2016	Vanderbilt University Owen Graduate School of Management, Nashville, Tennessee	MMHC 2016	Master of Management in Health Care

POSTGRADUATE:

2004-2005	Vanderbilt Voice Center Nashville, Tennessee	CFY 2005	Clinical Fellowship, Speech-Language Pathology

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APPOINTMENTS AND POSITIONS

ACADEMIC:

2022-present	Saint Louis University, Doisy College of Health Sciences, Saint Louis, Missouri	Dean of the Doisy College of Health Sciences
2022-present	Saint Louis University, Doisy College of Health Sciences, Saint Louis, Missouri	Professor (Tenured) Speech, Language Hearing Sciences
2022-present	Saint Louis University, School of Medicine, Saint Louis, Missouri	Professor of Otolaryngology (Secondary appointment)
2020-2022	School of Health and Rehabilitation Sciences, University of Pittsburgh, Pittsburgh, Pennsylvania	Associate Dean for Equity, Inclusion, and Community Engagement
2018-2022	Department of Communication Science & Disorders, University of Pittsburgh, Pittsburgh, Pennsylvania	Professor (Tenured) and Department Chair
2015-2018	Department of Otolaryngology, Vanderbilt University School of Medicine, Nashville, Tennessee	Associate Vice Chair for Research
2015-2017	Vanderbilt University, Nashville, Tennessee	Chancellor Faculty Fellow
2013-2018	Department of Otolaryngology, Vanderbilt University School of Medicine, Nashville, Tennessee	Associate Professor of Otolaryngology (Tenured)
2013-2018	Department of Hearing and Speech Sciences, Vanderbilt University School of Medicine, Nashville, Tennessee	Associate Professor of Hearing and Speech Sciences (Secondary appointment)
2013-2018	Department of Mechanical Engineering, Vanderbilt University School of Engineering, Nashville, Tennessee	Associate Professor of Mechanical Engineering (Secondary appointment)

2005-2013	Department of Otolaryngology, Vanderbilt University School of Medicine, Nashville, Tennessee	Assistant Professor of Otolaryngology (Tenure Track)
2009-2013	Department of Hearing and Speech Sciences, Vanderbilt University School of Medicine, Nashville, Tennessee	Assistant Professor of Hearing and Speech Sciences (Secondary appointment)
2013	Department of Mechanical Engineering, Vanderbilt University School of Engineering, Nashville, Tennessee	Assistant Professor of Mechanical Engineering (Secondary appointment)
2011-2017	Department of Speech, Language, and Hearing Sciences, Purdue University College of Health and Human Sciences, West Lafayette, Indiana	Adjunct Member of Graduate Faculty

AFFILIATED:

2021-2022	Clinical and Translational Science Institute, University of Pittsburgh, Pittsburgh, PA.	Professor of Clinical and Translational Science (Secondary appointment)
2004-2018	Department of Otolaryngology, Vanderbilt University Voice Center, Nashville, Tennessee	Speech-Language Pathologist
2005-2018	Center for Matrix Biology, Vanderbilt University Medical Center, Nashville, Tennessee	Research Investigator
2009-2018	Vanderbilt Neuroscience Training Program, Brain Institute, Vanderbilt University Medical Center, Nashville, Tennessee	Training Faculty

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LEADERSHIP RESPONSIBILITIES

As Dean, Doisy College of Health Sciences, Saint Louis University

Leadership of the Doisy College of Health Sciences at Saint Louis University

- Reporting to the provost, as dean I serve as the chief academic and executive officer of the college and serve as a member of the University's academic leadership team.

- Responsible for the college's leadership, strategy, and fundraising and for managing the faculty and staff, fiscal resources, and physical facilities of the college.

- As dean, I provide oversight of the college's academic programs and faculty.
- Responsible for building undergraduate and graduate programs of excellence.
- Responsible for promoting and providing advocacy for the college within the university and to regional, national, and international constituents and partners.
- As dean, I am responsible for the integrity of the college's programs, promoting quality and excellence in teaching, research, and service and fostering an environment of openness and collegiality.
- As dean, I serve as an advocate for the full array of disciplines and programs, employees, and students in the college and for supporting an overarching vision for the college.
- Responsible for providing oversight of the departments in the college and working with the chairs of Clinical Health Sciences, Communication Science and Disorders, Nutrition and Dietetics, Occupational Science and Occupational Therapy, and Physical Therapy and Athletic Training to ensure academic, research, clinical and service excellence.
- Responsible for leading a management structure within the college that includes an associate dean for research, associate dean for student and academic affairs, business manager, development officer, marketing coordinator, recruitment specialist, and an assistant to the dean.
- Leadership of the Dean's Coordinating Council of chairs, associate deans, and faculty representatives.
- Responsible for serving as a member of the Provost's Council of Deans.

As Associate Dean, School of Health and Rehabilitation Sciences, University of Pittsburgh

Leadership of the Office of Equity, Inclusion and Community Engagement, SHRS

- As associate dean in the School of Health and Rehabilitation Sciences (SHRS) at the University of Pittsburgh, I led the SHRS Office of Equity, Inclusion and Community Engagement (OEI&CE). During my tenure as associate dean, I was responsible for leadership and oversight of the office, which included direct supervision of staff, including a Senior Director of Strategic Programs and Services and an office Program Coordinator.
- SHRS Office of Equity, Inclusion and Community Engagement provided broad oversight of school-wide initiatives in justice, equity, diversity, and inclusion (JEDI) and community engagement. This included oversight of the SHRS Wellness Pavilion, a student-led, faculty supervised health & wellness initiative at the University of Pittsburgh Community Engagement Center at Homewood.

Oversight of policies and best practices in recruitment and retention of academic diversity

- Responsible for working with the Associate Vice Chancellor for Health Sciences Diversity, Health Sciences Diversity Deans Leadership, and the School of Health and Rehabilitation Sciences leadership team and faculty to develop policies and best practices in all areas of recruitment and retention, academic diversity, and community engagement initiatives.

- Service on the health sciences leadership consisting of the six Health Sciences diversity deans to assist the Office of Health Sciences Diversity Equity and Inclusion (OHSDEI) in the creation of an inclusive culture across the Schools of the Health Sciences and develop strategies to achieve the goals and objectives outlined in the OHSDEI strategic plan.

- Responsible for development and oversight of a comprehensive program that provided leadership, guidance, and support to promote increased recruitment, retention and advancement of underrepresented faculty, staff, and students in SHRS.

Development of strategic partnerships locally and regionally to foster inclusion

- Responsible for the development of strategic partnerships across the Schools of the Health Sciences, including broad oversight of SHRS Community Engagement initiatives, and health and wellness programming in the community.

- Responsible for cultivating relationships and supporting the University of Pittsburgh Community Engagement Centers, building and communicating a unifying vision to provide strategic direction in support of partnerships in the community, and championing our justice, equity, diversity, and inclusion (JEDI) work in SHRS.

Leadership of a school-wide cluster-hire initiative

- Responsible for leading a $2.8M school-wide cluster-hire initiative "*Amplifying the work of justice, equity, diversity, and inclusion (JEDI) change agents to transform the School of Health and Rehabilitation Sciences to train future generations of health professionals to address social determinants of health and health disparities*."

- The SHRS cluster-hire initiative focused on 7 major recruitment priority areas in health equity and was aligned with the City of Pittsburgh's Gender Equity Commission Report and its 4 major policy intervention spaces of Health (physical and mental well-being), Poverty and Income (access to quality health care and balanced diets), Employment (occupational inequities and their influence on the maintenance of healthy lifestyles), and Education (educational inequalities and their influence on poverty and health outcomes).

<u>As Department Chair, Communication Science and Disorders, University of Pittsburgh</u>

Leadership of largest department in the School of Health and Rehabilitation Sciences

- Responsible for leadership of the largest department in the School of Health and Rehabilitation Sciences, the Department of Communication Science and Disorders with an enrollment of nearly 300 students across 5 degree and 1 non-degree post-bacc program.

- Provided strategic direction, oversight, and budgetary management of an operational unit with an approximately $6.8M annual operating budget and $16.5M in total grant revenue.

- Management of day-to-day operations of a department of 25 FTE faculty, 20 adjunct faculty, 20.75 FTE staff, 17 graduate student research assistants, and 4 post-doctoral research fellows.

- Served as chief administrative and academic officer of the department and appointee on the SHRS Leadership Team and Dean's Advisory Council.

- Responsible for leadership of all personnel and resources; faculty tenure and promotion; faculty and staff development; and support of academic and research programs.

- Oversight of enrollment management; course scheduling; faculty recruitment and hiring.

- Responsible for management of academic program planning; faculty teaching loads and service assignments; employee staffing; budgeting; and facilities management.

Development, fundraising, donor stewardship, and securing department resources

- Leadership of development and fundraising activities for the department, including increasing private funding for scholarships, endowed positions, and strategic department programs and initiatives.

- Responsible for liaising with the University of Pittsburgh Philanthropy and Alumni Engagement Office and development director for the School of Health and Rehabilitation Sciences to prioritize philanthropic initiatives and implement fundraising strategies.

Management of communications, external engagement, and alumni relations

- Leadership of alumni relations and external communications for the department.

- Responsible for alumni engagement and liaising with staff in the School of Health and Rehabilitation Sciences to plan, organize, and hold alumni events at annual meetings of the American Speech Language Hearing Association (ASHA) and American Academy of Audiology (AAA).

Development, recruitment, retention, and mentorship of faculty & staff

- Oversight of all personnel actions including the hiring of tenure stream and appointment stream faculty, staff, performance management, performance improvement plans, support of professional development, completion of annual faculty and staff reviews/evaluations.

Advancing educational and clinical excellence

- Leadership of all academic matters in the department including academic degree programs, advancing the schools mission of excellence in research, teaching, and service, and the recruitment, retention, and matriculation of undergraduate and graduate students.

- Oversight of curriculum, course coverage, teaching loads, new degree programs, course proposals, and implementation of curricular changes across 6 programs, including 5 degree programs–an undergraduate program in communication science (B.S.); entry level professional degree in audiology (Au.D); entry level professional degree in speech language pathology (MA-SLP); post-professional clinical doctoral program in speech language pathology (CScD); research doctoral program (Ph.D.) in communication science; and a non-degree post-baccalaureate program in communication science and disorders.

- Responsible for oversight of clinical training partnerships and cultivating relationships across the UPMC Health System, VA Pittsburgh Healthcare System, DePaul School for Hearing & Speech, UPMC Centers for Rehab Services, and affiliated hospitals, clinics, community health centers, schools, and private practice groups in Western Pennsylvania and throughout the region in order to build capacity and support growth and enrollment across all of our professional training programs.

Leading innovation and engagement of the department in research of impact

- Leadership in advancing the schools mission of excellence in research.

- Development and implementation of research benchmarks to align with financial metrics, including grant revenues and indirect cost recovery and return to school and department.

- Oversight of Vice Chair for Research and Office of Research support staff to manage efficiency of research operations and department pre and post award financial activity.

- Leadership and support of faculty research pursuits, including year over year increases in publications, grant activity and scholarship success rates.

- Responsible for management of department space, personnel, and research programs to create operational efficiencies, reduce costs, and increase the number of scientific collaborations across the school and university.

- Oversight of space renovations, new lab buildouts, multi-PI laboratory initiatives, and resource and space allocations to meet the needs of the department.

Building a collaborative culture and strengthening connections across the university

- Responsible for leadership of strategic planning and the alignment of department-wide goals and strategies with the Plan for Pitt and SHRS Vision, Mission and Values.

- Service as an advocate for department faculty, staff, and students on school-wide task forces to strengthen academic, research, and clinical programs in the department and to provide overall leadership in securing resources for championing of department initiatives.

As Associate Vice Chair for Research, Otolaryngology, Vanderbilt Univ Medical Center

Service on the Executive Leadership Team in a top-ranked Department of Otolaryngology

- Responsible for serving on the Executive Leadership Team that reported directly to the Director of the Vanderbilt Bill Wilkerson Center for Otolaryngology and Communication Sciences and the Guy M. Maness Professor and Chairman of Otolaryngology.

- Fiscal and administrative oversight of $1M research annual operating budget and $4.7M in annual grant revenue.

- Oversight of the basic science research programs, laboratories, mentorship of research faculty, and providing support for and implementation of the research mission of the department.

- Leadership of department research activities including federal, non-federal, and industry sponsored research grants.

LEADERSHIP ACHIEVEMENTS

As Associate Dean, School of Health and Rehabilitation Sciences, University of Pittsburgh

- Created the Office of Equity, Inclusion, & Community Engagement (OEICE) in the School of Health and Rehabilitation Sciences. Appointed two new staff positions: 1) Senior Director of Strategic Programs and Services, and 2) Program Coordinator.

- Developed a school-wide cluster-hire proposal through a highly collaborative effort and engagement of all department chairs across SHRS and involving the Department(s) of Communication Science & Disorders, Health Information Management, Occupational Therapy, Physical Therapy, Physician Assistant Studies, Sports Medicine and Nutrition, and Rehabilitation Science and Technology.

- Received funding from the Office of the Senior Vice Chancellor for Health Sciences for 4 new faculty positions as part of a school-wide cluster-hire initiative. The vision of the SHRS cluster-hire program was to increase the representation of underrepresented minority faculty in the School of Health and Rehabilitation Sciences by 5% over 3 years.

- Successful signing of a memorandum of understanding (MOU) with Pittsburgh Public Schools to provide school-aged children in under-resourced communities exposure to

STEM-related professions and access to mentorship and learning opportunities with students, researchers and faculty in the School of Health and Rehabilitation Sciences.

- Development of faculty, staff and student led activities, events, and services, including summer camps and after-school programming for students at Pittsburgh Public Schools to increase access to and the creation of new pathways to University of Pittsburgh School of Health and Rehabilitation Sciences degree programs, research laboratories and world renowned clinical and research faculty.

- Leadership of a school-wide strategic planning process for the Office of Equity, Inclusion, and Community Engagement; implementation of an SHRS DEI Framework for Action to leverage faculty, staff, and student engagement and support for school-wide DEI initiatives; development and implementation of SHRS OEI&CE Guiding Principles to align with the Plan for Pitt and Our People, Our Programs, and Our Purpose pillars.

<u>As Department Chair, Communication Science and Disorders, University of Pittsburgh</u>

- Created a senior executive leadership team with appointment of three new vice chair positions in the department: 1) Vice Chair for Academic Affairs, 2) Vice Chair for Clinical Education, and 3) Vice Chair for Research.

- Led a successful department reorganization, including the establishment of three new offices to support faculty, staff, and students: 1) CSD Office of Research, 2) CSD Office of Clinical Education, and 3) CSD Office of Academic Affairs.

- Led a successful reorganization of staff responsibilities to provide increased support to faculty involved in research; program directors providing oversight of degree programs; and faculty and staff supporting clinical education and network clinical placements across the UPMC and VAMC healthcare system.

- Recruitment of 11 new faculty members in the department since FY18–including 5 tenure stream faculty positions and 6 appointment stream faculty positions.

- Increased the number of administrative support staff in the department–from 4.53 FTE (FY18) to 20.75 FTE (FY21) to support our 3 new offices and department core missions.

- Successful recruitment of 3 new program directors–including a new director of the Clinical Science Doctoral Program (CScD) in speech-language pathology; new director of the graduate program (MA/MS) in speech-language pathology; and a new director of the undergraduate program (BA) in Communication Science.

- Successful recruitment of a new externship coordinator for the graduate program (AuD) in audiology to support growth in the audiology program and to secure externship placements.

- Success in faculty recruitment and the recruitment of faculty at mid-career (e.g., Associate Professor) and senior academic ranks (e.g., Professor) provided a more optimal balance

across academic ranks and added significant depth to the department in the areas of speech disorders in children; development of brain functions for attention and language; pediatric audiology; hearing loss; and auditory neuroscience.

- Successful tenure and promotion cycles along with successful recruitment at mid-career and above ranks resulted in a more optimal balance in the department across academic rank and appointment type with 0 Tenured Professors (FY18) to 4 Tenured Professors (FY21); 5 Appointment Stream Professors (FY18) to 6 Appointment Stream Professors (FY21); 5 Tenure Stream Assistant Professors (FY18) to 7 Tenure Stream Assistant Professors (FY21); 3 Appointment Stream Assistant Professors (FY18) and 3 Appointment Stream Assistant Professors (FY21), and 0 Research Assistant Professors (FY18) to 1 Research Assistant Professor (FY21).

- Increased the diversification of research personnel (e.g., post-docs) in the department from 0 (FY18) to 5 (FY21). Advanced research trainees (e.g., post-docs) increased to 25% of the 21 research trainees during my tenure as chair.

- Increased the number of graduate student researchers (GSRs) funded on extramural research training grants and fellowships, from 100% GSRs funded on hard-money allocation from the provost (FY18) to 75% GSRs funded on research grants and 100% (all) post-docs receiving some form of fellowship support (FY21).

- Increased the number of grants, contract submissions, and total grant revenue by 2073% ($750K to $16.3M) in the department.

- Increased indirect cost recovery to the department by 289% ($28K to 109K).

- Increased enrollment in the PhD Program in Communication Science and Disorders by 30%.

- Increased enrollment in the Doctor of Audiology (AuD) Program by 160% (10 to 26 students).

- Increased enrollment in the MA SLP Program by 20%.

- Established SLP Concentrations in 1) Augmentative and Alternative Communication, 2) Dysphagia (Swallowing), 3) Pediatric Speech and Language, and 4) Voice Disorders. The SLP Concentrations provided opportunities for students to develop advanced clinical skills, research opportunities, and seamless integration of theory and clinical practice, through experiential learning with clinical instructors and research faculty at UPMC and VAMC.

- Renovation of 3 department laboratories, including a new lab buildout.

- Established the Department of Communication Science and Disorders Basic Science Laboratory in FY19; a 2,000 square foot multi-PI laboratory with a comprehensive molecular biology, tissue culture, microscopy, tissue histology, and wet lab space to

accommodate up to 18 researchers and an additional 625 square feet of office and conferencing space for faculty, staff, and students.

- Established the Brain and Auditory Sciences Research Initiative, a 1,500 square foot multi-PI research dedicated facility housed in the School of Health and Rehabilitation Sciences that houses state-of-the-art neuroscience and psychoacoustics laboratories as well as dedicated workspace for staff and students involved in brain and auditory sciences research. The capabilities of the laboratory were extensive and designed to facilitate neuroimaging research.

- Established the Research Enterprises for Voice and Swallowing, a 1,100 square foot multi-PI laboratory housed in the School of Health and Rehabilitation Sciences that included a lab and participant room, dark room, student workspace, patient waiting area, and space for up to 3 PIs to perform voice and swallowing research.

- Increased the overall department space footprint; including >2,625 square feet of new laboratory and office space in a leased campus building [Bridgeside Point]; > 4,250 square feet of new laboratory space in our main campus building [Forbes Tower]; and >2,600 square feet of new faculty, staff, and office space [Forbes Tower].

- Increased alignment of faculty, space, and research programs to increase research operational efficiencies and lower the costs of new faculty laboratory renovations by approximately $250-350 K.

- Created operational efficiencies through greater alignment of CSD space, personnel, and research programs to reduce costs and increase the number of scientific collaborations of greater impact within the department and across the school and university.

- Negotiation of a clinical contract to provide augmentative and alternative communication services and establish the Augmentative Communication Program (ACP) at The Center for Assistive Technology (CAT) at UPMC, a joint program of UPMC and the University of Pittsburgh. Speech services at the CAT were staffed by a faculty member in the Department of Communication Science and Disorders. CAT provided 20% salary to support the effort of an FTE faculty in the department to provide services and clinical education to students.

- Strengthened collaborations between the Department of Communication Science and Disorders and several academic units across the university and greater Pittsburgh region, including the Department of Otolaryngology in the School of Medicine; Electrical and Computer Engineering in the Swanson School of Engineering; Center for Neuroscience at the University of Pittsburgh; Center for Neural Basis of Cognition: a joint venture between the University of Pittsburgh and Carnegie Mellon University; VA Pittsburgh Healthcare System; and the UPMC Children's Hospital of Pittsburgh.

- Established a formal partnership between the University of Pittsburgh School of Health and Rehabilitation Sciences and DePaul School for Hearing and Speech, marked by the signing of a memorandum of understanding to provide research and educational

opportunities, clinical training, adjunct teaching, summer camps and professional development, and high-quality research training experiences for students.

- Negotiation of a clinical contract to provide speech and swallowing services at UPMC Passavant. Contract stipulated that UPMC Passavant provided per diem compensation to support the effort of a faculty member in the department to provide services and clinical education to students. Services were staffed by a faculty member in the Department of Communication Science and Disorders.

- Established a gift with the University of Pittsburgh to create an endowed fund, the Bernard Rousseau Student Resource Fund in Communication Science and Disorders to enhance opportunities for underrepresented students in the School of Health and Rehabilitation Sciences. The endowment income provides support for education-related expenses for underrepresented students in the Department of Communication Science and Disorders, including but not limited to books, lab fees, and travel.

- Commissioned an Equity, Justice, and Inclusion workgroup in the department to develop action-oriented solutions to promote diversity, equity, and inclusion in CSD.

- Increased gift revenue to the department by 905% ($25,430 to $255,760).

- Increased the number of donors and gifts to the department by 50% (55 to 83).

- Increased alumni engagement and attendance at alumni events at the American Speech Language Hearing Association (ASHA) and American Academy of Audiology (AAA).

- Increased engagement with alumni through the establishment of a Chair's Newsletter and external communications to provide regular updates on CSD accomplishments.

- Developed and implemented department academic, clinical, and research benchmarks; including the implementation of a department scientific review process to increase faculty publications, grant activity and success rates by 20%.

- Significant improvement in 2021 U.S. News & World Report rankings, with Speech-Language Pathology realizing the largest climb in the Best Graduate Schools rankings up four spots from its previous # 7 ranking to the #3 ranked SLP program in the country.

- Leadership of a department-wide strategic planning process for the Department of Communication Science and Disorders to align with the university and school strategic plan and a new responsibility center management (RCM) budget model.

- Transitioning of the department from a centralized allocation budget model from the Provost to a responsibility center management (RCM) budget model; providing greater incentives and rewards for revenue generation and cost effectiveness; greater transparency regarding sources and uses of institutional resources; enhanced ability to plan with a better prediction of future resource flows; greater local flexibility and increased local

accountability; and the facilitation of conversations surrounding the alignment of incentives and department goals with institutional priorities.

As Associate Vice Chair for Research, Otolaryngology, Vanderbilt Univ Medical Center

- Growth of department research laboratories and support for faculty research led to a 37% increase in federal funding and 23% increase in industry sponsored clinical trials in FY17.
- Ranking improved from #7 to #4 ranked department in NIH sponsored research in FY17.

CERTIFICATION and LICENSURE

SPECIALTY CERTIFICATION:

American Speech-Language-Hearing Association — 2005-present
Speech Language Pathology
Certificate of Clinical Competence
License #12019218

MEDICAL or OTHER PROFESSIONAL LICENSURE

Department of Health, Board of Communication Sciences and Disorders — 2005-2018
Speech-Language Pathology
State of Tennessee License
License #3195

Department of Commerce and Insurance — 2006-2018
Board of Pharmacy
State of Tennessee Researcher License
License #0000010743

MEMBERSHIP in PROFESSIONAL and SCIENTIFIC SOCIETIES

American Speech Language Hearing Association (ASHA) — 2004-present

ASHA Special Interest Group 3, Voice and Voice Disorders — 2004-2008
Co-Chair, Research Committee; Member, Steering Committee; Associate Editor, Perspectives on Voice and Voice Disorders; Editor, Perspectives on Voice and Voice Disorders

The Voice Foundation — 2004-2008

Tennessee Association of Audiology and Speech Language Pathology — 2004-2008

American Academy of Otolaryngology	2004-2008
American Laryngological Association	2013-present

HONORS

PROFESSIONAL RECOGNITION:

Associate Fellow*, American Laryngological Association ¥. 2013

* Associate fellowship of the American Laryngological Association recognizes non-physicians for distinguished contributions to the field of laryngology, care of patients with disorders of the larynx and upper aerodigestive tract, and for contributions to the teaching of laryngology in medical schools and post-graduate medical education.

Fellow*, American Speech-Language-Hearing Association ¥. 2014

* Fellowship is one of the highest honors bestowed by the American Speech-Language-Hearing to recognize outstanding contributions to the discipline of communication sciences and disorders.
¥ Dr. Rousseau is one of only 10 individuals to ever become elected fellow of both societies.

Chancellor Faculty Fellow, Vanderbilt University 2015-2017

Discretionary funds awarded to an inaugural class of 15 faculty members across the humanities, social sciences, natural and physical sciences, and the clinical sciences as well as engineering, law, and music as a show of commitment of the Chancellor to support mid-career faculty, advance trans-institutional scholarship, and propel the goals and aspirations as outlined in the academic strategic plan. Faculty members hold the title of Chancellor Faculty Fellow for two years and are supported by an allocation of $40,000 a year for two years to support innovative research, scholarship and creative expression that further propel the career of the awardee.

ALUMNI RECOGNITION:

Outstanding Alumni Award, University of Central Florida, 2013
Department of Communication Sciences and Disorders.

Professional Achievement Award 2015
University of Central Florida
College of Health and Public Affairs.

TEACHING AWARDS:

Recipient of the Elaine Sanders-Bush Award for 2014
EXCELLENCE IN TEACHING

(Mentorship of Graduate and/or Medical Students in the Research Setting).

RESEARCH AWARDS and HONORS:

Young Faculty/Practitioner Award, 2008
American Laryngological Association
Award for Continuing Education,
American Speech-Language-Hearing Association.

Mentor, 2010
Students Preparing for Academic and Research
Careers Award from the American Speech-Language-
Hearing Association

Mentor, 2010
Students Preparing for Academic and Research
Careers Award from the American Speech-Language-
Hearing Association

1st place, Poster Presentation, 2012
"Transepithelial Resistance in the Rabbit Vocal fold."
Presented at the American Bronchoesophagological
Association Spring Meeting. San Diego, CA.

Invited Participant, 2013
Clinical Practice Research Institute (CPRI)
American Speech-Language Hearing Association
Rockville, MD.

1st place, Poster Presentation, 2013
"The Natural Time Course of Post-Microflap
Healing and Restoration of Vibratory Function
Following Vocal Fold Microflap Surgery
in a Rabbit Model." Presented at the American
Laryngological Association Spring Meeting. Orlando, FL.

Best Paper Award, 2013
"A 3D Numerical Simulation of Wave Propagation
on the Vocal Fold Surface." Presented at the 10th International
Advances in Quantitative Laryngology, Voice and Speech
Research. Cincinnati, OH.

Award for Continuing Education, American 2013
Speech-Language-Hearing Association.

Resident Research Competition, 3rd place, 2008
Lesley F. Childs (resident research fellow),
16th Annual Adams Lectureship in Otolaryngology/Resident
Recognition Weekend, Vanderbilt University of School Medicine.

Resident Research Competition, 3rd place, 2009
Erik R. Swanson (resident research fellow),
17th Annual Adams Lectureship in Otolaryngology/Resident
Recognition Weekend, Vanderbilt University of School Medicine.

Junior Faculty Leadership Development Program, 2009
Vanderbilt University School of Medicine

Resident Research Competition, 1st place, 2011
Joseph E. Hall (resident research fellow),
19th Annual Adams Lectureship in Otolaryngology/Resident
Recognition Weekend, Vanderbilt University of School Medicine

Resident Research Competition, 2nd place, 2011
Harry V. Wright (resident research fellow),
19th Annual Adams Lectureship in Otolaryngology/Resident
Recognition Weekend, Vanderbilt University of School Medicine.

Resident Research Competition, 1st place, 2013
Joshua Mitchell (resident research fellow),
21st Annual Adams Lectureship in Otolaryngology/Resident
Recognition Weekend, Vanderbilt University of School Medicine

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PUBLICATIONS

Refereed articles

1. **Rousseau B**, & Watts C.R. Susceptibility of speakers with Parkinson disease to delayed feedback. Journal of Medical Speech Language Pathology. 2002; 10 (1), 41-49.
2. Welham NV, **Rousseau B,** Ford CN, Bless DM. Tracking outcomes after phonosurgery for sulcus vocalis: A case report. Journal of Voice. 2003; 17(4): 571-578. PMID:14740937
3. Hirano S, Bless DM, **Rousseau B**, Welham NV, Scheidt TD, Ford CN. Fibronectin and adhesion molecules on canine scarred vocal folds. Laryngoscope. 2003; 113: June: 966-972. PMID:12782806
4. **Rousseau B**, Hirano S, Scheidt T.D, Welham N.V, Thibeault S.L, Bless D.M, Chan R.W. Characterization of vocal fold scarring in a canine model. Laryngoscope. 2003; 113: April: 620-627. PMID:12671417

5. Hirano S, Bless DM, **Rousseau B**, Welham NV, Montequin DM, Ford CN. Prevention of vocal fold scarring by topical injection of hepatocyte growth factor in a rabbit model. Laryngoscope. 2004; 114 (3): 548-556. PMID:15091233
6. Thibeault SL, **Rousseau B**, Welham NV, Hirano S, Bless D.M. Hyaluronan levels in acute vocal fold scar. Laryngoscope. 2004; 114: April: 760-764. PMID:15064637
7. **Rousseau B**, Hirano S, Chan RW, Welham N.V, Thibeault S.L, Bless D.M, Ford C.N. Characterization of chronic vocal fold scarring in a rabbit model. Journal of Voice. 2004; 18 (1): 116-124. PMID:15070231
8. Hirano S, Bless DM, Nagai H, **Rousseau B**, Welham NV, Montequin DM, Ford CN. Growth factor therapy for vocal fold scarring in a canine model. Annals of Otology, Rhinology, and Laryngology. 2004; 113 (10): 777-785. PMID:15535139
9. **Rousseau B**, Sohn J, Montequin D.W, Tateya I, Bless D.M. Functional outcomes of reduced hyaluronan in acute vocal fold scar. Annals of Otology, Rhinology, and Laryngology. 2004;113 (10): 767-776. PMID:15535138
10. **Rousseau B**, Tateya I, Lim X, Munoz-del-Rio A, Ford C.N, Bless D.B. Investigation of anti-hyaluronidase treatment on vocal fold wound healing. Journal of Voice. 2006; 20 (3): 443-451.PMID:16243482
11. **Rousseau B**, Ge P, French LC, Zealear DL, Thibeault SL, Ossoff RH. Experimentally induced phonation increases matrix metalloproteinase-1 gene expression in normal rabbit vocal fold. Otolaryngology-Head and Neck Surgery. 2008; 138: 62-68. PMC2912225. PMID: 18164995
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54. Mitchell JR, Kojima T, Garrett CG, **Rousseau B.** (2013) Biochemical Basis of Vocal Fold
    Mobilization after Microflap in a Rabbit Model. Presented at the Triological Society Combined Sections Meeting. Scottsdale, AZ.
55. Kojima T, Mitchell JR, Garrett CG, **Rousseau B.** (2013) The Natural Time Course of Post-Microflap Healing and Restoration of Vibratory Function Following Vocal Fold Microflap Surgery in a Rabbit Model. Presented at the American Laryngological Association Spring Meeting. Orlando, FL.
56. Tian F, Chang S, Luo H, **Rousseau B** (2013) A 3D numerical simulation of wave propagation on the vocal fold surface. Presented at the 10th International Conference on Advances in Quantitative Laryngology, Voice and Speech Research. Cincinnati, OH.
57. Tian F, Chang S, Luo H, **Rousseau B** (2013) Computational modeling of flow-induced vocal fold vibration. Presented at the Annual ORNL Biomedical Science and Engineering Conference, Oak Ridge, TN.
58. Tian F, Dai H, Luo H, Doyle JF, **Rousseau B** (2013) Computational fluid-structure interaction for biological and biomedical flows. Presented at the ASME Fluids Engineering Division Summer Meeting. Incline Village, NV.
59. Chang S, Tian F, Luo H, Doyle JF, Kojima T, **Rousseau B** (2013) CFD Modeling of the Vocal Fold Vibration for Evoked Rabbit Phonation. Presented at the American Society of Mechanical Engineers (ASME) District F – Early Career Technical Conference. Birmingham, AL.
60. Suehiro A, Kojima T, **Rousseau B.** (2014) D**i**stribution of Fibroblast Growth Factor Receptors in Normal Rat Vocal Fold. Presented at the American Laryngological Association Spring Meeting. Las Vegas, NV.
61. Kojima T, Novaleski CK, Valenzuela CV, Garrett CG, **Rousseau B** (2014) Effects of Increased Phonation Time and Magnitude Dose on Vocal Fold Epithelial Tight and Adherens Junction Gene Expression. Presented at the American Laryngological Association Spring Meeting. Las Vegas, NV.
62. Valenzuela CV, Kojima T, Novaleski CK, Garrett CG, **Rousseau B** (2014) Inflammatory and Junctional Complex Gene Expression during the Early Phases of Wound Repair Following Acute Phonotrauma. Presented at the American Bronchoesophagological Association Spring Meeting. Las Vegas, NV.
63. Novaleski CK, Kojima T, Luo H, Chang S, Colvin D, Does M, **Rousseau B** (2014) High-Resolution Microimaging of a Rabbit Larynx: Toward the Development of a Three-Dimensional Computational Model to Quantify Mechanical Stresses during

Phonotrauma. Presented at the 9th International Conference on Voice Physiology and Biomechanics. Salt Lake City, UT.

64. Valenzuela CV, Kojima T, Greene S, Dharamsi L, Novaleski C, Garrett CG, **Rousseau B** (2014) Characterizing the vocal fold epithelial response to recovery following phonation-induced trauma at the transcriptional level. Presented at the American Academy of Otolaryngology-Head and Neck Surgery Annual Meeting. Orlando, FL.
65. Valenzuela CV, Novaleski C, **Rousseau B** (2014) Use of Alternative Communication Modalities during Postoperative Voice Rest. Presented at the Fall Voice Conference. San Antonio, TX.
66. Chang S, Luo H, Novaleski C, **Rousseau B** (2014) Combining subject-specific and low-order modeling techniques to study fluid-structure interaction of rabbit phonation. Presented at the 67th Annual Meeting of the American Physical Society Division of Fluid Dynamics. San Francisco, CA.
67. Novaleski C, Kojima T, Valenzuela CV, Chang S, Luo H **Rousseau B** (2014) In Vivo Suture Model to Elicit Rabbit Phonation. Presented at the Fall Voice Conference. San Antonio, TX.
68. Kojima T, Mizuta M, Valenzuela CV, Novaleski CK, Garrett CG, **Rousseau B** (2015) Morphological Recovery of Rabbit Vocal Fold Epithelium After Acute Phonotrauma. Presented at the American Bronchoesophagological Association Spring Meeting, Boston, MA.
69. Mizuta M, Novaleski CK, **Rousseau B** (2015) Isolation, Cell Culture, and Characterization of Vocal Fold Epithelial Cells of Rabbits. Presented at the American Bronchoesophagological Association Spring Meeting, Boston, MA.
70. Novaleski CK, Mizuta M, **Rousseau B** (2015) Expression of Apoptosis along the Apical Surface of Vocal Fold Epithelium. Presented at the 11th International Conference on Advances in Quantitative Laryngology, Voice and Speech Research, London, UK.
71. Mizuta M, Newcomb D, **Rousseau B**, Garrett CG, Netterville JL, Wooten CT, Francis DO, McGreggor TL, Blackwell TS, Gaddy JA, Drake WP, Gelbard A (2015) Human Large Airway Remodeling in Tracheal Stenosis is Differentially Shaped by the Host-Pathogen Interface. Presented at the Vanderbilt Infection and Immunology Conference.
72. Novaleski CK, King R, **Rousseau B** (2015) Reflective Learning: A Model of Implementing Voice Instrumentation in Graduate Coursework. Presented at the American Speech-Language Hearing Association Annual Meeting. Denver, CO.
73. **Rousseau B**, Craig J, Gherson S, Branski RC (2015) Assessment and Treatment of Vocal Fold Lesions: Pearls and Pitfalls. Presented at the American Speech-Language Hearing Association Annual Meeting. Denver, CO.
74. Storkel H, **Rousseau B**, Yoder P, Smith A, Camarata S (2015) Writing Successful Research Grant Applications in Communication Sciences and Disorders: Advice from Experts. Presented at the American Speech-Language Hearing Association Annual Meeting. Denver, CO.
75. King R, Novaleski CK, Cleveland TF, Garrett CG, **Rousseau B** (2015) Outcomes of Voice Rest after Microflap Surgery for Benign Vocal Fold Lesions. Presented at the Fall Voice Conference. Pittsburgh, PA.
76. Kraja I, Bing R, Hiwatashi N, **Rousseau B**, Kirsenbaum K, Branski RC (2016) A novel delivery molecule for siRNA transfection in vocal fold fibroblasts. Presented at the American Laryngological Association Spring Meeting, Chicago, IL.

77. Novaleski CK, Kimball EE, Mizuta M, **Rousseau B** (2016) Effects of Time-Doses and Cycle Doses of Acute Vibration Exposure on Apoptotic Cell Death and TNF-α Signaling in the Vocal Fold Epithelium. Presented at the Fall Voice Conference. Scottsdale, AZ
78. Novaleski CK, Carter BD, Sivasankar MP, Ridner SH, Dietrich MS, **Rousseau B** (2016) Apoptosis and Vocal Fold Disease: Clinically Relevant Implications of Cell Death. Presented at the American Speech-Language Hearing Association Annual Meeting. Philadelphia, PA.
79. Novaleski CK, Kimball E, Mizuta M, **Rousseau B** (2017) TNF-α Gene and Protein Expression in the Vocal Fold Epithelium after Acute Vibration Exposure. Presented at World Phonocon: Joint Meeting of International Association of Phonosurgery and Indian Association of Phonosurgeons. Gurgaon, India.
80. Mizuta M, Kurita T, Dillon N, Kimball EE, Garrett CG, Webster RJ, **Rousseau B** (2017) In-Vivo Measurement of Vocal Fold Epithelial Surface Resistance. Presented at American Bronchoesophagological Association Spring Meeting, San Diego CA.
81. Pitman MJ, Mizuta M, Kurita T, Powell ME, Kimball EE, Novaleski CK, Garrett CG, **Rousseau B** (2017) Histological and Functional Outcomes of Small Intestinal Submucosa and Microflap Elevation for the Treatment of Chronic Vocal Fold Scar. Presented at American Laryngological Association Spring Meeting, San Diego CA.
82. Powell ME, Kimball EE, **Rousseau B** (2017) How Deep Does Damage Go? Vocal Fold Epithelial and Subepithelial Structures Following Acute Phonotrauma. Presented at American Speech-Language Hearing Association Annual Meeting, Los Angeles CA.
83. **Rousseau B**, Zeller A, Gherson S, Johns M, Branski RC (2017) Assessment and Treatment of Vocal Fold Lesions: Pearls and Pitfalls. Presented at American Speech-Language Hearing Association Annual Meeting, Los Angeles CA.
84. **Rousseau B**, Sivasankar MP (2017) Challenges to the vocal folds. Presented at the Fall Voice Conference. Washington, DC.
85. Kimball EE, Powell ME, Sayce L, **Rousseau B** (2017) Investigating the effects of plate coating proteins on vocal fold epithelial cell proliferation. Presented at the Fall Voice Conference. Washington, DC.
86. Powell ME, Kimball EE, Sayce L, **Rousseau B** (2017) Effects of phonation magnitude-dose on structural, molecular, and functional changes in rabbit vocal folds. Presented at the Fall Voice Conference. Washington, DC.
87. Sayce L, Powell ME, Garrett CG, Francis DO, Cohen SM, Mau T, **Rousseau B** (2017) Voice handicap index as a measure of treatment outcomes for phonotraumatic lesions at three tertiary voice clinics: An interim analysis. Presented at the Fall Voice Conference. Washington, DC.
88. Kimball EE, MS; Sayce L, Powell MR, Brandley J, **Rousseau B** (2018) Damage and Changes to the Vocal Fold Tissue Following Phonation: Effects of Vibratory Closure. Accepted for presentation at the 15th Biennial Phonosurgery Symposium. Madison, WI.
89. Sayce L, Kimball E, Powell M, Sueyoshi S, Gartling G, Brandley J, **Rousseau B** (2018) Molecular Characterization of Glucocorticoid Steroid Treatment on Vocal Fold Physiology. Accepted for presentation at the 15th Biennial Phonosurgery Symposium. Madison, WI.
90. Powell M, Kimball E, Sayce L, Sueyoshi S, **Rousseau B** (2018) The effect of time dose of raised intensity phonation on functional outcomes. Accepted for presentation at the American Laryngological Association Spring Meeting. Washington, DC.

91. Xu C, Kimball EE, Sayce L, **Rousseau B** (2018) Characterization of acute exposure to glucocorticoid steroids in human and rabbit primary vocal fold epithelial cells. Accepted for presentation at the International Conference on Voice Physiology and Biomechanics. East Lansing, MI.
92. Sayce L, Kimball EE, Gartling G, Powell M, Sueyoshi S, Schneeberger S, Brandley J, Xu C, **Rousseau B** (2018) Effect of Methylprednisolone Treatment on Rabbit vocal fold physiology. Accepted for presentation at the International Conference on Voice Physiology and Biomechanics. East Lansing, MI.
93. Sueyoshi S, Sayce L, Kimball EE, Gartling G, Powell M, Xu C, **Rousseau B** (2018) Expression of inflammatory cytokines and junctional proteins in Rabbit vocal folds following methylprednisolone treatment. Accepted for presentation at the International Conference on Voice Physiology and Biomechanics. East Lansing, MI.
94. Gartling G, Sayce L, Kimball EE, Sueyoshi S, Brandley J, **Rousseau B** (2018) A preliminary comparison of the expression and localization of integral epithelial proteins in human and rabbit vocal folds. Accepted for presentation at the International Conference on Voice Physiology and Biomechanics. East Lansing, MI.
95. Kimball EE, Xu C, Sayce L, **Rousseau B** (2018) The Effect of Protein Coating on Epithelial Barrier integrity, Cell proliferation, and Cell physiology in primary culture of vocal fold epithelial cells. Accepted for presentation at the International Conference on Voice Physiology and Biomechanics. East Lansing, MI.
96. Gartling G, Sayce L, Kimball EE, Sueyoshi S, Brandley J, **Rousseau B** (2018) A Comparison of Critical Cellular and Subcellular Components in Rabbit and Human Vocal Folds. Submitted for Presentation at American Speech-Language Hearing Association Annual Meeting, Boston MA.
97. Xu C, Kimball EE, Sayce L, **Rousseau B** (2018). Characterization of acute exposure to glucocorticoid steroids in human and rabbit primary vocal fold epithelial cells. Presented as a poster at Fall Voice, Seattle, WA.
98. Gartling G, Sayce L, Kimball EE, Sueyoshi S, Brandley J, **Rousseau B** (2018). A Preliminary Comparison of the Expression and Localization of Integral Epithelial Proteins in Human and Rabbit Vocal Folds. Presented as a poster at Fall Voice, Seattle, WA.
99. Kimball EE, Sayce L, Gartling G, Powell ME, Brandley J, **Rousseau B** (2018). Effects of Vibratory Contact of Vocal Fold Structure and Physiology. Presented at Fall Voice, Seattle, WA.
100. Sayce L, Kimball EE, Sueyoshi S, Gartling G, Schneeberger Powell M, Brandley J, **Rousseau B** (2018). Molecular Characterization of Glucocorticoid Steroid Treatment on Vocal Fold Physiology: A Preliminary Study. Presented at Fall Voice, Seattle, WA.
101. Powell M, Sayce L, Kimball EE, Sueyoshi S, Gartling G, **Rousseau B** (2018). Vocal Fold Vibratory Outcomes Following High Dose of Glucocorticoids. Presented as a poster at International Conference on Voice Physiology and Biomechanics, East Lansing, MI.
102. Kimball EE, Sayce L, Powell ME, **Rousseau B** (2019). Assessing structural and physiologic laryngeal changes in response to systemic dehydration in a rabbit model. Presented at Fall Voice, Dallas, TX.
103. Sayce L, Gartling G, Schneeberger S, Kimball EE, Brandley J, **Rousseau B** (2019) Glucocorticoid steroid responses in the healthy rabbit vocal fold. Presented at Fall Voice, Dallas, TX.

104. Gartling G, Sayce L, Kimball E, Sueyoshi S, Brandley J, **Rousseau B** (2019) A comparison of the localization of integral membrane proteins in human and rabbit vocal folds. Presented at Fall Voice, Dallas, TX.
105. Wilson AW, Kimball EE, Sayce L, **Rousseau B** (2019) Feasibility of magnetic nanoparticle co-culture with vocal fold epithelial cells. Presented at Fall Voice, Dallas, TX.
106. Kimball EE, Sayce L, Gartling G, Powell ME, Brandley J, **Rousseau B** (2019) Effects of Vibratory Contact on Vocal Fold Structure and Physiology. Presented at Fall Voice, Dallas, TX.
107. Wilson AW, Kimball EE, Sayce L, **Rousseau B** (2019) The Magnetic Voice Project (MVP): Bringing Nanoscience to Voice Science. Presented at American Speech, Language, Hearing Association, Orlando, FL.
108. Sayce L, Kimball EE, Chen P, Wilson AW, Powell ME, **Rousseau B** (2019) Optimizing Anesthesia for Basic Voice Research in a Rabbit Model. Presented at American Speech, Language, Hearing Association, Orlando, FL.
109. Gartling G, Sayce L, Kimball EE, Sueyoshi S, Brandley J, **Rousseau B** (2019) A comparison of critical molecular components in rabbit and human vocal folds. Presented at American Speech, Language, Hearing Association, Orlando, FL.
110. Kimball EE, Sayce L, Powell ME, **Rousseau B** (2020) Laryngeal Changes in Acute Systemic Dehydration in a Rabbit Model. Poster Pod Presentation (Virtual) Presentation at Fall Voice, Redondo Beach, California.
111. Wilson A, Gartling G, Sayce L, **Rousseau B** (2020) Low Cost Custom Laser-Cut Silastic Implants for Type I Thyroplasty in Rabbit Model. Poster Presentation at Fall Voice, Redondo Beach, California.
112. Sayce L, Xu Carol, Kimball, EE, **Rousseau B** (2020) In Vitro Vocal Fold Epithelial Responses to Chronic Glucocorticoid Steroid Treatment. Submitted for Presentation at Fall Voice, Redondo Beach, California.
113. Gartling, G, Sayce L, Kimball EE, Wilson A, Rousseau B (2020) Investigating the Adverse Effects of Vocal Fold Atrophy After Acute Glucocorticoid Treatment in a Rabbit Model. Submitted for Presentation at Fall Voice, Redondo Beach, California.
114. Wilson A, Gartling G, Sayce L, **Rousseau B** (2020) Low-Cost Custom Laser-Cut Silastic Implants for Type I Thyroplasty in a Rabbit Model. Submitted for Presentation at American Speech, Language, Hearing Association, San Diego, CA.
115. Zheng L, Wilson A, Sayce L, Avhad A, **Rousseau B**, Luo H (2021) PhonoSim: a patient-specific computational modeling suite for phonosurgery. Submitted for Presentation at the 14th International Conference on Advances in Quantitative Laryngology, Voice and Speech Research, Virtual.
116. Gartling G, Wilson A, Sayce L, Kimball E, Schneeberger S, Zimmerman Z, **Rousseau B** (2021) "Exploring the Acute Effects of Glucocorticoid Treatment on Vocal Fold Tissue in a Rabbit Model. Submitted for Presentation at American Laryngological Association Spring Meeting, Virtual.
117. Wilson A, Sayce L, Li Z, Avhad A, Foley L, Hitchens T, Luo H, **Rousseau B** (2021) " Analysis of Segmented Magnetic Resonance Images in Unilateral Vocal Fold Paralysis Simulation." Submitted for Presentation at the American Speech Language Hearing Association Annual Convention.

118. Xu XC, Sayce L, Wilson A, **Rousseau B.** (2021) Glucocorticoid Steroid Effects on Proliferation and Barrier Repair in Rabbit Vocal Fold Epithelial Cells. Accepted for oral presentation at Fall Voice 2021, Miami, FL.
119. Zimmerman Z, Gartling G, Sayce L, Slater A, Branski R, **Rousseau B.** (2021) Long-term characterization of iatrogenic vocal fold wound healing in an in vivo rabbit model. Accepted for oral presentation at Fall Voice 2021, Miami, FL.
120. Gartling G, Sayce L, Zimmerman Z, Slater A, Wilson A, Branksi R, **Rousseau B**. (2021) Investigating the Occurrence of Vocal Fold Atrophy Following Intracordal Glucocorticoid Injection in a Rabbit Model. Accepted for presentation as a poster at Fall Voice 2021, Miami, FL.
121. Sayce L, Wilson A, Gartling G, **Rousseau B.** (2021) Innovations in Modeling of Voice Disorders: Development of Surgical Approaches to Advance Preclinical Laryngology Research. Accepted for presentation as a poster at Fall Voice 2021, Miami, FL.
122. Wilson A, Sayce L, Li Z, Ahvad A, Luo H, **Rousseau B.** (2021) Comparison of two surgical methods to simulate unilateral vocal fold paralysis in an ex vivo rabbit model. Accepted for presentation as a poster at Fall Voice 2021, Miami, FL.
123. Li Z, Avhad A, Luo H, Wilson A, Sayce L, **Rousseau B** (2021) Computational modelling of simulated unilateral vocal fold paralysis. Accepted for presentation at the 74th Annual Meeting of APS Division of Fluid Dynamics, Phoenix, Az.
124. Gartling G, Sayce L, Zimmerman Z, Slater A, Wilson A, Branski R, **Rousseau B** (2022) Acute Effects of Dexamethasone Injection to the Thyroarytenoid Muscle in Preclinical Model. Accepted for presentation at COSM-ALA 2022 Meeting, Dallas, TX.
125. Sayce L, Zimmerman Z, Gartling G, Branski R, **Rousseau B** (2022) Epithelial Responses to Vocal Fold Microflap Injury in a Preclinical Model. Accepted for presentation at COSM-ALA 2022 Meeting, Dallas, TX.

OTHER PUBLICATIONS:

Practice Policy Documents

ASHA's Practice Policy Documents, along with other cardinal documents of the Association, are written for and by ASHA members and approved by ASHA governance to promulgate best practices and standards in the professions of audiology and speech-language pathology.

Denton D., Ingham JC, Jessen J., Kearns K., Minifie F., Moss S., Nelson P., **Rousseau B**., Kent RD. (2007). American Speech-Language-Hearing Association (2007) Guidelines for the responsible conduct of research: ethics and the publication process [Guidelines]. Available from: HYPERLINK "http://www.asha.org/policy" www.asha.org/policy

American Speech-Language-Hearing Association (2016) Scope of Practice in Speech Language Pathology [Scope of Practice]. Available from: HYPERLINK "http://www.asha.org/policy" www.asha.org/policy

Doctoral Dissertation Supervision (Primary Advisor)

Gartling, Gary J (2021) *Exploring the Acute Effects of Glucocorticoids on Rabbit Vocal Fold Tissue.* Doctoral Dissertation, University of Pittsburgh. (Unpublished)

PROFESSIONAL ACTIVITIES

TEACHING:

I have in my 17 years of service to the professions served on faculty search committees, the admissions committee, a committee responsible for developing a strategic plan for Ph.D. recruiting, and a committee responsible for addressing opportunities to ensure the continued success of the Ph.D. program. Our department ranks #3 among departments of speech language pathology and # 7 among department of audiology across the country. My various appointments in academic medical centers and schools of health and rehabilitation sciences have provided me with a diverse combination of curriculum preparation experiences, including training of medical students, residents, graduate students in the M.S. SLP program, Ph.D. students, and post-doctoral fellows. Additionally, I co-developed and served as Co-Director of the Voice Specialty Track, a specialty training track within the M.S. SLP graduate program in the Department of Hearing and Speech Sciences at Vanderbilt University. This specialty track provided students with advanced competencies in the assessment and management of voice disorders.

My teaching includes an exceptional blend of clinical and traditional didactic classroom teaching. I have taught the Acoustics and Perception of Speech and Speech Disorders course to the second-year masters of speech-language pathology (M.S. SLP) graduate students and the Advanced Voice Instrumentation Seminar to the M.S. SLP graduate students enrolled in the Voice Specialty Track. I have also co-taught the Grants and Contracts course taken by Ph.D. students in the Department of Hearing and Speech Sciences and Vanderbilt's Peabody College of Education and Human Development and lecture in the Voice Disorders course taken by the first-year graduate students in the M.S. SLP program. I have lectured to the otolaryngology residents in our Departmental Basic Science Research Conference in Otolaryngology and to the graduate students in Hearing and Speech Sciences in our Speech Language Pathology Grand Rounds.

In my role as Director of the Laryngeal Biology Laboratory at Vanderbilt University School of Medicine, I directed a research program of approximately ***11 research and staff***, served as PI or CO-I on ***16 research awards***, secured ***$8.5 million dollars*** in research funding, and led a *$2.0 million dollar laboratory expansion* and renovation project. I have mentored in various capacities more than 6***0 research trainees*** over the past ***17 years***. My laboratory is active in the training of pre- and post-doctoral research fellows, residents, medical students, graduate students in the hearing and speech sciences and engineering, and undergraduate students with a strong interest in academic, research, and teaching careers. My federally funded research program focuses on the molecular pathophysiology of acute phonotrauma, and outcomes studies related to the assessment and management of patients with benign vocal fold disease. Our program of research has experienced considerable growth, which has led to several multidisciplinary collaborative grant collaborations and large-scale space and infrastructure initiatives, including the formation of a novel interdisciplinary program of research, coined MODEL ENT: **M**odulation **O**f **D**isease **E**nvironments **L**aboratory by **E**ngineering **N**ano **T**herapeutics, which leveraged a core group of faculty from the School of Medicine, School of Engineering, and College of Arts and Sciences at Vanderbilt University to advance a vision for an interdisciplinary collaborative engineering and

biomedical research program. In 2014, I was the recipient of the Elaine-Sanders Bush Award for Mentoring Graduate and/or Medical Students in the Research Setting. Dr. Sanders-Bush was a leader in the development of research and graduate education at Vanderbilt. In 1997, she spearheaded the creation of a new Ph.D. program in Neuroscience. She served as director of the neuroscience program until 2008. In recognition of her impact in graduate education at Vanderbilt, the Elaine-Sanders Bush Award for Mentoring Graduate and/or Medical Students in the Research Setting was established in 2006.

Throughout the course of my professional career, my clinical practice has included serving on multi-disciplinary teams involved in the assessment and treatment of patients with voice disorders, including muscle tension dysphonia, benign vocal fold lesions, paradoxical vocal fold motion, and spasmodic dysphonia. The members of the multi-disciplinary team have included fellowship-trained laryngologists, fellows, residents, singing specialists, speech-pathologists, and nurses.

Medical School Courses:

Vanderbilt University School of Medicine

SLP 5583 Grand Rounds and Clinical Case Conference in Speech Language Pathology — 2005-present
Lecturer
20-30 Graduate Students, Faculty, and Staff
Met weekly during fall and spring semesters
One to two 1-hour lectures/year

Basic Science Conference in Otolaryngology — 2006-present
Lecturer
16-20 Residents/Fellows
Met weekly during fall and spring semesters
One to two 1-hour lectures/year

SLP 5336 Voice Disorders — 2010-2012
Invited Lecturer
16-20 Graduate Students
Met weekly during summer semester
One 3-hour lecture/year

OTO-6150 Otolaryngology Research — 2010-present
Director of Independent Study
1-2 Medical Students
Open to 3rd year Vanderbilt Students
Each student arranged an independent study and completed a period of research work

OTO-5950 Laryngology: — 2010-present
Focusing on voice, airway, and swallowing

Co-Director
1-2 Medical Students
Open to 4th year Medical Students
from any Medical School

SLP 5369 Master's Thesis Research 2010-present
Director, Developed standard curriculum
1-2 Graduate Students
Met weekly during fall, spring, and summer semesters
One 2-hour conference
One 1-hour laboratory interaction per week

SLP 5378 Advanced Voice Instrumentation & Lab 2011-present
Course Director, Developed course and curriculum
2 Graduate Students
Met weekly during summer semester
One 3-hour lecture per week

SLP 5301 Acoustics and Perception of Speech and Speech Disorders 2012-2013
Course Director, Developed standard curriculum
22 Graduate Students
Met weekly during fall semester
One 3-hour lecture and One 1-hour
laboratory interaction per week

Graduate School Courses:

<u>Vanderbilt University</u>

HRSP 344 Grants and Contracts 2010-2012
Instructor
6-7 Graduate Students
Met weekly during summer semester
One 3-hour lecture per week

Continuing Medical Education:

1. Vanderbilt Videostroboscopy with Interpretation Workshop, Nashville, Tennessee, August 2005, Organizer and Invited Lecturer

2. Vanderbilt Videostroboscopy with Interpretation Workshop, Nashville, Tennessee, October 2006, Organizer and Invited Lecturer

3. Tennessee Association of Audiologist and Speech-Language Pathologists Convention. Nashville, Tennessee, October 2006, Invited Lecturer

4. Grand Rounds in Speech-Language Pathology, Vanderbilt University, Nashville, Tennessee September 2007, Invited Lecturer

5. Vanderbilt Videostroboscopy with Interpretation Workshop, Nashville, Tennessee, October 2007, Organizer and Invited Lecturer, Nashville, TN, Organizer and Lecturer

6. Vanderbilt Videostroboscopy with Interpretation Workshop, Nashville, Tennessee, August 2008, Organizer and Invited Lecturer

7. Vanderbilt Videostroboscopy with Interpretation Workshop, Nashville, Tennessee, September 2009, Organizer and Invited Lecturer

8. Vanderbilt Videostroboscopy with Interpretation Workshop, Nashville, Tennessee, September 2010, Organizer and Invited Lecturer

9. Vanderbilt Videostroboscopy with Interpretation Workshop, Nashville, Tennessee, September 2011, Organizer and Invited Lecturer

10. Vanderbilt Videostroboscopy with Interpretation Workshop, Nashville, Tennessee, September 2012, Organizer and Invited Lecturer

11. Contemporary Perspectives and Health in the Commercial Voice, Nashville, Tennessee, March 2013, Invited Lecturer

12. Contemporary Perspectives and Health in the Commercial Voice, Nashville, Tennessee, March 2014, Invited Lecturer

13. Contemporary Management of Aerodigestive Diseases in Children, Nashville, Tennessee, November 2014, Invited Lecturer

Clinical Teaching (4 hours per week total)

Speech-Language Pathology Graduate Student Placement 2005-2013
1-3 Graduate Students. 0-1 hour/week.

Speech-Language Pathology Clinical Fellowship Program 2005-2013
0-1 Fellow in Speech-Language Pathology. 0-1 hour/week.

Laryngology Fellowship Program 2005-2013
1-2 Fellows. 0-1 hour/week.

Head & Neck/Laryngology Service. 2005-2013
1 Resident. 0-1 hour/week.

Research Mentorship:

Mentoring Committees
Junior Faculty

Aron Parekh, Ph.D. 2010-2017
Assistant Professor (tenure track)
Vanderbilt University
Mentor, Faculty Mentoring Committee

Jennifer Muckala, M.A., CCC-SLP 2012-2017
Assistant in Otolaryngology
Vanderbilt University
Mentor, Faculty Mentoring Committee

Ramya Balachandran, Ph.D. 2013-2015
Research Assistant Professor
Vanderbilt University
Mentor, Faculty Mentoring Committee

Christopher Wooten, M.D. 2013-2017
Assistant Professor
Vanderbilt University
Mentor, Faculty Mentoring Committee

David O. Francis, M.D. 2013-2017
Assistant Professor (tenure track)
Vanderbilt University
Mentor, Faculty Mentoring Committee

Reyna Gordon, Ph.D. 2014-2017
Assistant Professor (tenure track)
Vanderbilt University
Mentor, Faculty Mentoring Committee

Associate Professors

Steven Goudy, M.D. 2013-2014
Associate Professor, Vanderbilt University
Mentor, Faculty Mentoring Committee

Research Supervision:
Post-doctoral research fellows

Pingjiang Ge, M.D. 2005-2007

Post-doctoral research fellow
Primary Mentor
Director of Post-doctoral Fellowship Program
Current position: Professor
Department of Otolaryngology
GuangDong Academy of Medical Sciences.

Tsunehisa Ohno, M.D., Ph.D. 2007-2009
Post-doctoral research fellow
Primary Mentor
Director of Post-doctoral Fellowship Program
Current position: Clinical Fellow and Otolaryngology
Head and Neck Surgeon
Department of Otolaryngology
Kokura Memorial Hospital, Kokura, Japan.

Atsushi Suehiro, M.D., Ph.D. 2009-2011
Post-doctoral research fellow
Primary Mentor
Director of Post-doctoral Fellowship Program
Current position: Department (Head) Chief and Otolaryngology
Head and Neck Surgeon
Department of Otolaryngology
Kusatsu General Hospital, Shiga, Japan.

Tsuyoshi Kojima, M.D., Ph.D. 2011-2014
Post-doctoral research fellow
Primary Mentor
Director of Post-doctoral Fellowship Program
Current position: Clinical Fellow and Otolaryngology
Head and Neck Surgeon,
Department of Otolaryngology
Tenri Hospital, Nara, Japan.

James Daniero, M.D. 2013-2014
Laryngology Research Fellow
Mentor
Research Laboratory Training Experience
Current position: Assistant Professor
University of Virginia, Charlottesville, VA.

Masanobu Mizuta, M.D. 2014-2015
Post-doctoral research fellow
Primary Mentor
Director of Post-doctoral Fellowship Program
Current position: Otolaryngologist

Reyna Gordon, Ph.D. 2014-2015
Post-doctoral research fellow
Primary Mentor
Director of Fellowship Program
Current position: Assistant Professor
Vanderbilt University Medical Center.

Maria Powell, Ph.D., CCC-SLP 2015-2017
Post-doctoral research fellow
Primary Mentor
Director of Post-doctoral Fellowship Program
Current position: Assistant Professor
Vanderbilt University Medical Center.

Takashi Kurita, M.D. 2015-2017
Post-doctoral research fellow
Primary Mentor
Director of Post-doctoral Fellowship Program
Current position: Otolaryngologist
Kurume University Medical Center.

Shintaro Sueyoshi, M.D. 2017-2018
Post-doctoral research fellow
Primary Mentor
Director of Post-doctoral Fellowship Program
Current position: Otolaryngologist

Resident Research Fellows

Lesley F. Childs, M.D. 2007-2008
Resident Research Fellow (Otolaryngology)
Primary Mentor, Director of Resident Research Rotation
Current position: Assistant Professor,
Department of Otolaryngology, University of Texas
Southwestern Medical Center, Dallas, TX.

Erik R. Swanson, M.D. 2008-2009
Resident Research Fellow (Otolaryngology)
Primary Mentor, Director of Resident Research Rotation
Current position: Otolaryngology-Head and Neck Surgeon
Charleston Ear, Nose, and Throat Associates, Charleston, SC.

Harry Wright, M.D. 2010-2011

Resident Research Fellow (Otolaryngology)
Primary Mentor, Director of Resident Research Rotation
Current position: Otolaryngologist (Facial Plastic Surgery)
Tampa, FL.

Joseph E. Hall, M.D. 2011-2012
Resident Research Fellow (Otolaryngology)
Primary Mentor, Director of Resident Research Rotation
Current position: Otolaryngology-Head and Neck Surgeon
Ohio ENT, Dublin, OH.

Mark Van Deusen, M.D. 2011-2012
Resident Research Fellow (Otolaryngology)
Primary Mentor, Director of Resident Research Rotation
Current position: Otolaryngology-Head and Neck Surgeon
Northwest ENT and Allergy Center, Marietta, GA.

Joshua Mitchell, M.D. 2012-2013
Resident Research Fellow (Otolaryngology)
Primary Mentor, Director of Resident Research Rotation
Current position: Otolaryngologist (Pediatric Otolaryngology)

Scott M. Greene, M.D. 2012-2013
Resident Research Fellow (Otolaryngology)
Primary Mentor, Director of Resident Research Rotation
Current position: Otolaryngologist

Latif M. Dharamsi, M.D. 2012-2013
Resident Research Fellow (Otolaryngology)
Primary Mentor, Director of Resident Research Rotation
Current position: Otolaryngologist

Rachel Fee, M.D. 2014-2015
Resident Research Fellow (General Surgery)
Primary Mentor, Director of Laboratory Rotation
Current position: Otolaryngologist

Medical Students (M.D.)

Davood Abdollahian, M.D. 2008-2009
Medical Student
Vanderbilt University School of Medicine
Emphasis Program
Primary Mentor, Director of Laboratory Rotation
Current Position: Radiologist

Mi Jin Yoo, M.D. 2008-2009
Medical Student
Vanderbilt University School of Medicine
Emphasis Program
Primary Mentor, Director of Laboratory Rotation
Current Position: Otolaryngologist
Albert Einstein College of Medicine
Montefiore Medical Center

Alexandra Schmidt, M.D. 2009-2010
Medical Student
Vanderbilt University School of Medicine
Emphasis Program
Primary Mentor, Director of Laboratory Rotation
Current Position: Plastic and Reconstructive Surgeon

Nicholas Echemendia, M.D. 2009-2010
Medical Student
Case Western Reserve University School of Medicine
Primary Mentor, Director of Laboratory Rotation
Current Position: General Surgeon

Laurence James 2010-2011
Medical Student
Vanderbilt University School of Medicine
Emphasis Program
Primary Mentor, Director of Laboratory Rotation
Current Position: Physician

Carla Valenzuela 2012-2014
Medical Student
Vanderbilt University School of Medicine
Primary Mentor, Director of One Year Laboratory Rotation
Mentor, NIH Diversity Research Supplement
Current Position: Otolaryngologist

Rivka Chinyere Ihejirika 2014-2015
Medical Student
Vanderbilt University School of Medicine
Mentor, Summer Research Month
Current Position: Otolaryngologist

Graduate Students (M.S.)

Danielle Elder, M.S., CCC-SLP 2009-2010
Graduate Student (M.S.)

Department of Hearing and Speech Sciences
Vanderbilt University School of Medicine
Primary Mentor, Research Project
Current Position: Speech-Language Pathologist.

Christine N. Williams, M.S., CCC-SLP 2010-2011
Graduate Student (M.S.)
Department of Hearing and Speech Sciences
Vanderbilt University School of Medicine
Director of Master's Thesis
Current Position: Speech-Language Pathologist.

Jeffrey P. Johnson, M.S., CFY-SLP 2010-2012
Graduate Student (M.S.)
Department of Hearing and Speech Sciences
Vanderbilt University School of Medicine
Director of Master's Thesis
Current Position: Speech-Language Pathologist
VA Medical Center, Pittsburgh

Jessica G. Friedman, M.S., CFY-SLP 2010-2012
Graduate Student (M.S.)
Department of Hearing and Speech Sciences
Vanderbilt University School of Medicine
Director of Master's Thesis
Current Position: Speech-Language Pathologist.

Grace M. Scott 2011-2013
Graduate Student (M.S.)
Department of Hearing and Speech Sciences
Vanderbilt University School of Medicine
Research Assistant
Current Position: Speech-Language Pathologist.

Lisa A. D'Oyley 2011-2013
Graduate Student (M.S.)
Department of Hearing and Speech Sciences
Vanderbilt University School of Medicine
Primary Mentor, Voice Specialty Track Training Program
Current Position: Speech-Language Pathologist.
University of Washington Medical Center

Alyssa M. Lord 2012-2014
Graduate Student (M.S.)
Department of Hearing and Speech Sciences
Vanderbilt University School of Medicine

Research Assistant
Current Position: Speech-Language Pathologist

Sarah E. Almaguer 2012-2014
Graduate Student (M.S.)
Department of Hearing and Speech Sciences
Vanderbilt University School of Medicine
Research Assistant
Current Position: Speech-Language Pathologist

Jodie A. Fornadley 2012-2014
Graduate Student (M.S.)
Department of Hearing and Speech Sciences
Vanderbilt University School of Medicine
Research Assistant
Current Position: Speech-Language Pathologist
LSU Health Sciences Center

Aaron N. Gregory 2012-2014
Graduate Student (M.S.)
Department of Hearing and Speech Sciences
Vanderbilt University School of Medicine
Research Assistant
Current Position: Speech-Language Pathologist

Sara C. Kahan 2012-2014
Graduate Student (M.S.)
Department of Hearing and Speech Sciences
Vanderbilt University School of Medicine
Research Assistant
Current Position: Speech-Language Pathologist

Kiran A. Kotagal 2012-2014
Graduate Student (M.S.)
Department of Hearing and Speech Sciences
Vanderbilt University School of Medicine
Research Assistant
Current Position: Physician

Renee E. King 2013-2014
Graduate Student (M.S.)
Department of Hearing and Speech Sciences
Vanderbilt University School of Medicine
Research Assistant
Director of Master's Thesis
Current Position: Doctoral Student

University of Wisconsin-Madison.

Melissa A. Tucker 2013-2014
Graduate Student (M.S.)
Department of Hearing and Speech Sciences
Vanderbilt University School of Medicine
Research Assistant
Current Position: Speech-Language Pathologist

Kiara Savage 2014-2015
Graduate Student (M.S.)
Department of Hearing and Speech Sciences
Vanderbilt University School of Medicine
Member of Committee, M.S., SLP Thesis Option
Current Position: Speech Language Pathologist

Nathaniel Sundholm 2015-2017
Graduate Student (M.S.)
Department of Hearing and Speech Sciences
Vanderbilt University School of Medicine
Current Position: Speech Language Pathologist
Emory University School of Medicine.

Jennifer Brandley 2017-2018
Graduate Student (M.S.)
Department of Hearing and Speech Sciences
Vanderbilt University School of Medicine
Current Position: Speech Language Pathologist

Graduate Students, Pre-doctoral fellows (Ph.D.)

Carolyn K. Novaleski 2012-2016
Pre-doctoral (Ph.D.) Fellow
Department of Hearing and Speech Sciences
Vanderbilt University School of Medicine
Primary Mentor, Director of Ph.D. Program
Current Position: Assistant Professor
Michigan State University.

Emily Kimball 2016-2020
Pre-doctoral (Ph.D.) Fellow
Department of Hearing and Speech Sciences
Vanderbilt University School of Medicine
Primary Mentor, Director of Ph.D. Program
Current Position: Assistant Professor

Vanderbilt University School of Medicine.

Gary Gartling 2017-2021
Pre-doctoral (Ph.D.) Fellow
Department of Communication Science and Disorders
Primary Mentor, Director of Ph.D. Program
University of Pittsburgh
Current Position: Research Associate
New York University School of Medicine.

Azure Wilson 2018-2022
Pre-doctoral (Ph.D.) Fellow
Department of Communication Science and Disorders
University of Pittsburgh
Primary Mentor, Director of Ph.D. Program
Current Position: Pre-doctoral fellow
University of Pittsburgh

Elizabeth Hary 2021-2022
Pre-doctoral (Ph.D.) Fellow
Department of Communication Science and Disorders
University of Pittsburgh
Primary Mentor, Director of Ph.D. Program
Current Position: Pre-doctoral fellow
University of Pittsburgh

Elizabeth F. Levendoski 2011-2013
Pre-doctoral (Ph.D.) Fellow
Department of Speech, Language & Hearing Sciences
Purdue University
Member of Committee, Ph.D. Dissertation Project
Current Position: Assistant Professor
Stanford University School of Medicine.

Robin M. Jones 2011-2013
Pre-doctoral (Ph.D.) Fellow
Department of Hearing and Speech Sciences
Vanderbilt University School of Medicine
Member of Committee, 2nd year Ph.D. Project
Member of Committee, Ph.D. Dissertation Project
Current Position: Assistant Professor
Vanderbilt University School of Medicine.

Siyuan Chang 2011-2016
Pre-doctoral (Ph.D.) Fellow
Department of Mechanical Engineering

Vanderbilt University
Member of Committee, Ph.D. Dissertation Project
Current Position: Research Scientist, Industry.

Tiffany Woynaroski 2014-2015
Pre-doctoral (Ph.D.) Fellow
Department of Hearing and Speech Sciences
Vanderbilt University School of Medicine
Member of Committee, Ph.D. Dissertation Project
Current Position: Assistant Professor
Vanderbilt University School of Medicine.

Undergraduate Students

Andrew Tritter 2009-2010
Research Assistant, Vanderbilt University
Primary Mentor, Research Project
Current Position: Otolaryngologist

High School Students

Jane Camarata 2014
Student Intern, Vanderbilt University
Primary Mentor
St. Cecilia Academy, Nashville, TN.

Michael McGaw 2015-2016
Student Intern, Vanderbilt University
Primary Mentor
Research Experience for H.S. students
Vanderbilt Center for Science and Outreach

RESEARCH:

Current Grant Support:

Grant Number	***Grant Title***	***Role, Effort***	***Years Inclusive***	***Source, Amount***
R01DC019566	Pharmacological approaches for transepithelial delivery of therapeutics to the vocal folds	Principal Investigator, 25% effort	12/01/2021 – 11/30/2026	NIH, $3,305,018

R01DC016236	Development of Patient Specific Planning Tool for Type I Laryngoplasty	Principal Investigator, 30% effort	12/01/2017-06/30/2022, NCE	NIH, $2,903,271
R01DC017397	Multiple Mechanisms Underlying GR-Mediated Therapies for Fibroplasia	Co-Investigator (Subcontract PI), 10% effort	08/14/2019-07/31/2023	NIH, $616,182

Pending Grant Support:

Grant Number	***Grant Title***	***Role, Effort***	***Years Inclusive***	***Source, Amount***
T32DC020144	Accelerating Translation in Communication Science and Disorders (Act-CSD)	Principal Investigator (MPI), 7.5% effort	07/01/2022 – 06/30/2027	NIH, $2,067,639
NIH NRSA F31	Magnetic Nanoparticle-Induced Activation of Mechanosensitive Proteins in Vocal Fold Epithelium	Applicant Sponsor, 0% effort	07/01/2021 – 06/30/2024	NIH, $136,560

Prior Grant Support:

Grant Number	***Grant Title***	***Role, Effort***	***Years***	***Source, Amount***
R01DC015405	Pre-Clinical Testing of the Safety and Efficacy of Treatments for Voice Disorders	Principal Investigator, 40% effort	07/01/2016-06/30/2022	NIH, $3,318,645

R01DC016033	Functional Electrical Stimulation of the Bilaterally Paralyzed Larynx	Consultant, 0% effort	12/01/2017-11/30/2022	NIH, $3,763,990
T32EB021937	Training Program for Innovative Engineering Research in Surgery and Intervention	Training Grant Faculty/Preceptor, 0% effort	07/01/2016-06/30/2021	NIH, $189,470
R01DC011759	Challenges to Vocal Fold Epithelia: Functional and Structural Consequences	Co-Investigator (Subcontract PI), 10% effort	04/01/2012 – 03/31/2017	NIH, $187,572
R01DC011338	Molecular Pathophysiology of Acute Phonotrauma	Principal Investigator, 40% effort	12/01/2010 – 11/30/2015	NIH, $1,869,189
R01DC011338	Molecular Pathophysiology of Acute Phonotrauma: Research Supplement to Promote Diversity in Health-Related Research	Principal Investigator, Applicant Sponsor, 0% effort	08/01/2013 – 11/30/2015	NIH, $62,306
R01DC011338-01A1S1	Molecular Pathophysiology of Acute Phonotrauma: Collaborative Applied Research	Principal Investigator, 40% effort	06/012012 – 11/30/2015	NIH, $40,000

	Supplement NIDCD			
F31DC014621	Apoptosis Signaling in Vocal Fold Epithelium in Response to Acute Phonotrauma	Applicant Sponsor/Mentor, 0% effort	06/01/2015-05/30/2017	NIH, $73,310
Industry Sponsored	Safety/efficacy of SIS in treatment of vocal fold scar	Principal Investigator, 2.5% effort	02/01/2015-07/31/2016	Cook Medical, $85,000
Discovery Grant	A High-Fidelity Computational Tool for the Laryngeal Dynamics during Phonation	Co-Investigator, 7.7% effort	06/30/2011-05/31/2015	Vanderbilt University, $100,000
R33DC008632-05S1	Phased Infrastructure Grant: Patient & practitioner perception of usefulness, barriers, challenges, benefits of voice therapy	Consultant, 0% effort	06/01/2012-05/30/2015	NIH, $39,723
R01DC008429	Electrical Stimulation of the Bilaterally Paralyzed Larynx Paced with Respiration	Co-Investigator, 5% effort	08/01/2006 – 07/31/2011	NIH, $2,345,271
R03DC008400	Effect of Vocalization on Tissue Protein	Principal Investigator, 30% effort	04/01/2007 – 03/31/2010	NIH, $230,000

	Levels in the Acute Vocal Fold Wound			
R21DC009873	Growth Factor Treatment for Aged Vocal Folds	Principal Investigator, 20% effort	12/01/2008 – 11/30/2010	NIH, $415,000
AAO-HNSF Resident Research Grant	Biochemical basis for early vs. delayed mobilization after microflap	Co-Investigator; Major Preceptor, 0% effort	07/01/2011 - 06/30/2012	AAO-HNSF, $10,000
AAO-HNSF Resident Research Grant	Post-cricoid connexins in patients with erosive and non-erosive esophagitis	Co-Investigator; Major Preceptor, 0% effort	07/01/2011 - 06/30/2012	AAO-HNSF, $10,000
AAO-HNSF Resident Research Grant	Modulation of Inflammatory Signaling in Acute Phonotrauma	Co-Investigator; Major Preceptor, 5% effort	07/01/2010 - 06/30/2011	AAO-HNSF, $10,000
VBWC Collaborative Grant	Randomized controlled trial of text-to-speech versus standard of care patients on voice rest	Co-Principal Investigator, 5% effort	03/01/2011 – 02/28/2012	Vanderbilt University, $49,690
F31DC006314	Phytochemical Treatments for Vocal Fold Scar	Principal Investigator, 50% effort	05/01/2003-04/30/2005	NIH, $57,950
R01DC04428-01S1	Phonosurgical Optimization Criteria for Sulcus Vocalis: Diversity Supplement	Principal Investigator, 50% effort	05/01/2001-04/30/2003	NIH, $55,000

Grant Support: Training Grants/Invited Grant Consulting

Grant Number	***Grant Title***	***Role, Effort***	***Years Inclusive***	***Source, Amount***
R01DC011338	Molecular Pathophysiology of Acute Phonotrauma: Research Supplement to Promote Diversity in Health-Related Research	PI Sponsor, 0% effort	08/01/2013 – 11/30/2015	NIH, $62,306
F32DC015726	Vocal Fold Vibratory Function during Recovery from Phonotrauma	PI: Powell Role: Sponsor, 0% effort	08/01/2016-07/31/2018	NIH, $176,142
T32EB021937	Training Program for Innovative Engineering Research in Surgery and Intervention	PI: Miga Role: Preceptor, 0% effort	07/01/2016-06/30/2021	NIH, $189,470
F31 DC014621	Apoptosis Signaling in Vocal Fold Epithelium in Response to Acute Phonotrauma	PI: Novaleski Role: Sponsor, 0% effort	06/01/2015-05/30/2017	NIH, $73,310
F31 DC012729	Characterization of immune response in vocal fold injury	PI: King Role: Sponsor, 0% effort	12/01/2012-11/30/2014	NIH, $36,297

SEMINARS AND INVITED LECTURESHIPS:

1. 9th International Workshop on Laser Voice Surgery. “Scar Wars”. Paris, FRANCE, April 2004.

2. Shanghai Voice Conference. "The effects of phonation on vocal fold wound healing". Shanghai, CHINA, November 2007.

3. The International Conference in GuangZhou. "Evaluation and Treatment of Voice Disorders". GuangZhou, CHINA, September 2010.

4. The 8th International Conference on Voice Physiology and Biomechanics. "Effects of Increasing Phonation Time and Magnitude Dose on Vocal Fold Epithelial Morphology". Erlangen, GERMANY, July 2012.

5. 21st International Workshop on Laser Voice Surgery. "Growth Factor Treatments for Vocal Fold Scar and Aging". Paris, FRANCE, May 2019.

6. Shanghai International Voice Forum. "Behavioral Therapy and Speech Pathology of Voice Disease". Shanghai, CHINA, May 2019.

7. Shanghai International Voice Forum. "Voice Therapy Panel". Shanghai, CHINA, May 2019.

8. Nanjing University. "Effect of Voice Use on Tissues and Cells" Nanjing, CHINA, May 2019.

Visiting Professorships, Invited Lectureships, Seminars and Workshops (National or International)

1. Phonosurgery Symposium **"**Excised Larynx Methodology". Madison, Wisconsin, USA, July 2004.

2. Annual Meeting of the Tennessee Association of Audiology and Speech Language Pathology **"**Preparing for the PRAXIS Examination". Chattanooga, Tennessee, USA, October 2004.

3. Annual Meeting of the Tennessee Association of Audiology and Speech Language Pathology. **"**Assessment and Treatment of Vocal Fold Scar". Chattanooga, Tennessee, USA, October 2004.

4. Phonosurgery Symposium. **"**Understanding the Soft Tissue Matrix and Wound Healing: In-Vivo Vibratory Effects". Madison, Wisconsin, USA, July 2006.

5. Duke University Medical Center, Grand Rounds in Otolaryngology, "Research Topics in Laryngology". Durham, North Carolina, USA, October 2008.

6. University of California San Francisco, UCSF Voice Conference, *"*Molecular Pathophysiology of Acute Phonotrauma". San Francisco, California, USA, October 2011.

7. Northwestern University, CSD Speaker Series, "Voice Science: Innovations and Opportunities in Research, Education, and Global Outreach". Chicago, Illinois USA, January 2013.

8. Mount Sinai School of Medicine, Grand Rounds in Otolaryngology**, "**Contemporary Laryngology: Capitalizing on Innovations and Unique Opportunities in Research, Education, and Global Outreach". New York, New York, USA, June 2013.

9. 13th Biennial Phonosurgery Symposium, "Voice Rest: Science and Practice". Madison, Wisconsin, USA, July 2014.

10. University of Florida, College of Public Health and Health Professions, "Pursuit of National Preeminence in Patient Care, Research, Education, and Outreach: The Vanderbilt Experience". Gainesville, Florida, USA, January 2015.

11. University of Central Florida, College of Health and Public Affairs, Department of Communication Sciences and Disorders, "Leading Teams and Building Strategic Partnerships in an Academic Health Care System: A 10-Year Experience at Vanderbilt School of Medicine". Orlando, Florida, USA, October 2015.

Invited Panelist/Moderator (National or International)

Moderator of Annual Kay Pentax Lecture in Upper Airway Science (Susan L. Thibeault, Ph.D.). American Speech Language Hearing Association Annual Meeting, Philadelphia, Pennsylvania, USA, November 2010.

Moderator of Panel "Short term effects and management strategies for acute phonotrauma". University of California-San Francisco Voice Conference. San Francisco, California, USA, November 2011.

Moderator of Panel "Scientific Session III: Mucosa". American Laryngological Association. Las Vegas, Nevada, USA, May 2014.

Moderator of Panel, Fall Voice Conference. San Antonio, Texas, USA, October 2014.

Invited Panelist "Perioperative Voice Care" American Speech Language Hearing Association Live Online Chat in Celebration of World Voice Day, April 12th, 2016: HYPERLINK http://www.asha.org/Events/live/04-12-2016-Voice-Care.htm

Invited Lectures (Keynote Speaker)

1. NBASLH Awards Dinner Keynote Speaker. "Celebrate People: People are your most important asset". Nashville, Tennessee, USA, April 16-18, 2015.

Invited Lectures (School of Medicine)

Vanderbilt Initiative in Surgery and Engineering (VISE), Spring Seminar Series. Vanderbilt University, Nashville, Tennessee, USA, March 2013.

OTHER RESEARCH RELATED ACTIVITIES:

National Institutes of Health (Review Panels/Study Sections:

Ad-hoc member, 2009-2011
National Institutes of Health
R01 Special Emphasis Panel/Scientific Review Group
ZDC1 SRB-L (42).

Ad-hoc member 2011-2013
NIDCD R03– Voice, Speech and Language
National Institutes of Health
Special Emphasis Panel/Scientific
Review Group ZDC1 SRB-Y (56).

Ad-hoc member 2012-2013
NIDCD R03– Voice, Speech and Language
National Institutes of Health
Special Emphasis Panel/Scientific
Review Group ZDC1 SRB-L (50).

Ad-hoc member 2012-2014
National Institutes of Health
Special Emphasis Panel/Scientific Review Group
Communication Disorders Review Committee (CDRC).

Ad-hoc member 2012-2014
National Institutes of Health, Motor Function
Speech and Rehabilitation Study Section (MFSR)
Center for Scientific Review (CSR).

Charter member 2014-2020
National Institutes of Health
Motor Function
Speech and Rehabilitation Study Section (MFSR)
Center for Scientific Review (CSR).

Steering Committee 2019
P50 Precision Medicine in Tinnitus.

American Speech-Language Hearing Foundation (Review Panels/Study Sections)

Reviewer, Research Grant for New Investigators 2007
American Speech-Language Hearing Foundation.

Reviewer, New Century Scholars Program 2007

New Century Scholars Research Grant Competition
American Speech-Language Hearing Foundation.

Reviewer, New Century Scholars Program 2011
Scholarship Review Committee
American Speech-Language Hearing Foundation.

Reviewer, New Century Scholars Program 2014
New Century Scholars Research Grant Competition
American Speech-Language Hearing Foundation.

Editorial Appointments (Editor or Associate Editor)

Associate Editor 2010-2012
Perspectives on Voice and Voice Disorders

Guest Associate Editor 2013
Journal of Speech-Language and Hearing Research

Editor 2013-2015
Perspectives on Voice and Voice Disorders

Editorial Service (Editorial Review Board)

Editorial Review Board 2012-present
Journal of Auris, Nasus, Larynx

Ad-hoc Reviewer for Journals

Ad-hoc reviewer, Movement Disorders 2006

Ad-hoc reviewer, Tissue Engineering 2006

Ad-hoc reviewer 2008-present
Annals of Otology, Rhinology, and Laryngology

Ad-hoc reviewer 2008-present
Otolaryngology-Head-Neck Surgery

Ad-hoc reviewer, 2008-present
Journal of Speech-Language and Hearing Research

Ad-hoc reviewer 2009-present
Laryngoscope

Ad-hoc reviewer 2009-present

Wound Repair and Regeneration

Ad-hoc reviewer Cells Tissues Organs	2010-present
Ad-hoc reviewer Acta Biomaterialia	2011-present
Ad-hoc reviewer Journal of The Royal Society Interface	2011

LIST of CURRENT RESEARCH INTERESTS:

Optimal function of the vocal fold lamina propria is essential to human voice production. The lamina propria is an area of connective tissue that is uniquely different from tissues found elsewhere in the body. Histological and physiological comparisons can be made with other tissues such as skin and joints that undergo frequent trauma, repeated cycles of inflammation, and decreased function secondary to injury. However, no other tissue in the body undergoes mechanical forces similar to the vibration that the vocal folds experience during phonation. Our federally funded research program investigates the cellular and molecular events underlying phonotrauma and the identification of unique mechanisms involved in protection of the vocal fold from injury. We have developed a novel in-vivo phonation model to better understand the role of acute phonotrauma on repair of vocal fold tissues. Our laboratory was the first to report changes in the expression of key genes involved in extracellular matrix metabolism following acute phonotrauma. In addition to these more fundamental investigations, we are also deeply committed to the understanding of outcomes and the availability of health related services in the treatment of phonotrauma. Our laboratory is conducting translational investigations focusing on the role of treatment adherence in recovery from phonomicrosurgery, outcomes studies related to the assessment and management of patients with benign vocal fold disease, and multi-center randomized controlled clinical trials in voice disorders. Our research efforts are funded by the National Institutes of Health, National Institute on Deafness and Other Communication Disorders.

Our research program has experienced considerable growth over the past 17 years. The growth and success of our research, education, and outreach efforts have been made possible through strong institutional support and cross-institutional collaborations. These joint initiatives have led to multidisciplinary intramural and extramural collaborative research grants and large-scale space and infrastructure initiatives, including an interdisciplinary collaborative engineering and biomedical research program coined MODEL ENT: **M**odulation **of D**isease **E**nvironments **L**aboratory by **E**ngineering **N**ano **T**herapeutics. The **MODEL ENT** concept was developed with the following four ideas in mind: 1) make a case for co-locating faculty from engineering and medicine, 2) bring together faculty with a commitment to collaborative research, 3) leverage existing institutional shared resources, and 4) advance innovative ideas with strong potential for extramural funding and sustainability. The synergies created by bringing together a core group of faculty from the School of Medicine, School of Engineering, and College of Arts and Sciences at Vanderbilt University uniquely positioned our research programs to solve problems that are particularly tractable to interdisciplinary approaches.

Our efforts addressed an important goal in understanding proper cell and extracellular matrix interactions, a process that is critical to maintaining functional homeostasis in tissues and organs. MODEL ENT investigators utilized a range of in vitro, in vivo, and computational models to provide a fundamental understanding of the biochemical and biophysical factors that influence tissue injury and repair. These efforts contributed to an improved understanding of extracellular matrix signaling and the mechanobiological responses of organs and tissues to environmental and chemical cues. These studies are essential to the development and testing of surgical and pharmacologic treatments for human disease. Support for these initiatives has the potential to lead to significant progress in how patients are managed in the next 10 years.

In our current R01 research program we use a unique combination of *in vitro*, *in vivo*, and *computational models* to provide a fundamental understanding of the biological characteristics of vocal fold tissue and the physiological factors that influence tissue response to treatment. Over the past 17 years, our research program has been deeply committed to the understanding of tissue injury and repair with an eye towards future drug development and the investigation of the safety and efficacy of treatments for voice complaints. Our research efforts have provided critical new insights into the cellular and molecular pathophysiology of phonotrauma. Despite widespread clinical use, the indications for use, safety, and demonstration of efficacy of synthetic glucocorticoids in the treatment of dysphonia remains poorly understood. In the current R01, the mechanisms underlying therapeutic efficacy of these treatments is explored.

Our collaborative work with Haoxiang Luo, Ph.D. and colleagues in Mechanical Engineering on the dynamic interactions between biological structures received international attention in 2013, following a publication that appeared in the Journal of Computational Physics, entitled "Fluid-Structure Interaction Involving Large Deformations: 3D Simulations and Applications to Biological Systems". This research supported by the National Science Foundation and National Institutes of Health instantly became one the "Most Downloaded" Journal of Computational Physics papers since its publication in February 2014 and was awarded the 10th International Conference on Advances in Quantitative Laryngology Voice and Speech Research Best Paper Award. The work profiled in the VUMC Reporter "Math Models to Aid Voice Disorders" presented a versatile numerical approach for the simulation of 3D fluid-structure interactions, representing a significant milestone in the modeling of a range of biological structures such as insect wings, fish fins, heart valves and human vocal folds. This work represents a significant contribution to the fluid dynamics community since biological systems often involve large deformations and their three-dimensional modeling has been a standing challenge. Our goal is to use high-fidelity computational models that incorporate patient-specific features of the laryngeal anatomy to quantify the magnitude and spatial distribution of vocal fold biomechanical stresses to improve surgical outcomes in patients with vocal fold paralysis.

SERVICE:

Narrative Report of Service Contributions:

My contributions to the professions include service on committees charged with the development of official practice policy documents in speech language pathology and audiology, service to federal agencies, and academic leadership.

Over the past 18 years, I have served on editorial review boards as editor, associate editor, or reviewer for various journals. I have also regularly provided service to the professions and to federal agencies. I served a six-year term as a charter member of the Motor Function Speech Rehabilitation (MFSR) study section of the Center for Scientific Review at the National Institutes of Health (NIH). Charter members of NIH study panel are selected on the quality of their research accomplishments, publications in scientific journals and other scientific activities, achievements and honors.

I also served as Chair of the Committee on Honors (COH) of the American Speech Language Hearing Association. The Committee on Honors is appointed by the Committee on Committees and is comprised of 3 audiologists, 3 speech language pathologists, and 3 members from either profession, all of whom are Fellows of the Association. The COH reviews nominations for awards of the association, including Fellow and Honors, the highest awards of distinction awarded by the association. I served a four-year term as a site visitor for The Council on Academic Accreditation (CAA) in Audiology and Speech Language Pathology. The CAA establishes standards for the accreditation of graduate programs in Speech Language Pathology and Audiology. I am currently serving a 3 year term on the American Speech-Language-Hearing Foundation Board of Trustees.

Narrative Report of Academic Leadership and Accomplishments:

Prior to accepting my current position at Saint Louis University, I served as Associate Dean for Equity, Inclusion and Community Engagement in the School of Health and Rehabilitation Sciences and Professor and Chair of the Department of Communication Science and Disorders at the University of Pittsburgh. As associate dean, I created the Office of Equity, Inclusion, & Community Engagement (OEICE) in the School of Health and Rehabilitation Sciences. And developed a school-wide cluster-hire proposal through a highly collaborative effort and engagement of all department chairs across SHRS and involving the Department(s) of Communication Science & Disorders, Health Information Management, Occupational Therapy, Physical Therapy, Physician Assistant Studies, Sports Medicine and Nutrition, and Rehabilitation Science and Technology. I provided leadership of a school-wide strategic planning process for the Office of Equity, Inclusion, and Community Engagement; implementation of an SHRS DEI Framework for Action to leverage faculty, staff, and student engagement and support for school-wide DEI initiatives; development and implementation of SHRS OEI&CE Guiding Principles to align with the Plan for Pitt and Our People, Our Programs, and Our Purpose pillars. As department chair, I created a senior executive leadership team with appointment of three new vice chair positions in the department: 1) Vice Chair for Academic Affairs, 2) Vice Chair for Clinical Education, and 3) Vice Chair for Research. I led a successful department reorganization, including the establishment of three new offices to support faculty, staff, and students: 1) CSD Office of Research, 2) CSD Office of Clinical Education, and 3) CSD Office of Academic Affairs. I successfully recruited 11 new faculty members in the department–including 5 tenure stream faculty positions and 6 appointment stream faculty positions. I increased the number of administrative support staff in the department–from 4.53 FTE (FY18) to 20.75 FTE (FY21) to support our 3 new offices and department core missions. I successfully recruited 3 new program directors–including a new director of the Clinical Science Doctoral Program (CScD) in speech-language pathology; new director of the graduate program (MA/MS) in speech-language

pathology; and a new director of the undergraduate program (BA) in Communication Science. I led several successful tenure and promotion cycles and recruitment at mid-career and above ranks resulting in a more optimal balance in the department across academic rank and appointment type. I increased the diversification of research personnel (e.g., post-docs) in the department from 0 (FY18) to 5 (FY21) and the number of advanced research trainees (e.g., post-docs) increased to 25% of the 21 research trainees during my tenure as chair. Our Ph.D. advisory council increased the number of graduate student researchers (GSRs) funded on extramural research training grants and fellowships, from 100% GSRs funded on hard-money allocation from the provost (FY18) to 75% GSRs funded on research grants and 100% (all) post-docs receiving some form of fellowship support (FY21). During my service as chair, the number of grants, contract submissions, and total grant revenue increased by 2073% ($750K to $16.3M and indirect cost recovery to the department increased by 289% ($28K to 109K). During my service as chair, enrollment in the PhD Program in Communication Science and Disorders increased by 30%; enrollment in the Doctor of Audiology (AuD) Program increased by 160% (10 to 26 students); and enrollment in the MA SLP Program increased by 20%. During my service as chair, the department established SLP Concentrations in 1) Augmentative and Alternative Communication, 2) Dysphagia (Swallowing), 3) Pediatric Speech and Language, and 4) Voice Disorders. The SLP Concentrations provided opportunities for students to develop advanced clinical skills, research opportunities, and seamless integration of theory and clinical practice, through experiential learning with clinical instructors and research faculty at UPMC and VAMC. During my service as chair, 3 department laboratories were renovated, including a new lab buildout and I increased the overall department space footprint; increased alignment of faculty, space, and research programs to increase research operational efficiencies and lower the costs of new faculty laboratory renovations by approximately $250-350 K; and created operational efficiencies through greater alignment of CSD space, personnel, and research programs to reduce costs and increase the number of scientific collaborations of greater impact within the department and across the school and university. As chair, I strengthened collaborations between the Department of Communication Science and Disorders and several academic units across the university and greater Pittsburgh region, including the Department of Otolaryngology in the School of Medicine; Electrical and Computer Engineering in the Swanson School of Engineering; Center for Neuroscience at the University of Pittsburgh; Center for Neural Basis of Cognition: a joint venture between the University of Pittsburgh and Carnegie Mellon University; VA Pittsburgh Healthcare System; and the UPMC Children's Hospital of Pittsburgh. I established a formal partnership between the University of Pittsburgh School of Health and Rehabilitation Sciences and DePaul School for Hearing and Speech, marked by the signing of a memorandum of understanding to provide research and educational opportunities, clinical training, adjunct teaching, summer camps and professional development, and high-quality research training experiences for students. I negotiated a clinical contract to provide speech and swallowing services at UPMC Passavant. I established a gift with the University of Pittsburgh to create an endowed fund, the Bernard Rousseau Student Resource Fund in Communication Science and Disorders to enhance opportunities for underrepresented students in the School of Health and Rehabilitation Sciences. I commissioned an Equity, Justice, and Inclusion workgroup in the department to develop action-oriented solutions to promote diversity, equity, and inclusion in CSD. During my service as chair, gift revenue to the department increased by 905% ($25,430 to $255,760) and the number of donors and gifts to the department increased by 50% (55 to 83). As chair, I increased alumni engagement and attendance at alumni events at the American Speech Language Hearing Association (ASHA) and American Academy

of Audiology (AAA); increased engagement with alumni through the establishment of a Chair's Newsletter and external communications to provide regular updates on CSD accomplishments; and developed and implemented department academic, clinical, and research benchmarks; including the implementation of a department scientific review process to increase faculty publications, grant activity and success rates by 20%. During my service as chair, I led a significant improvement in 2021 U.S. News & World Report rankings, with Speech-Language Pathology realizing the largest climb in the Best Graduate Schools rankings up four spots from its previous # 7 ranking to the #3 ranked SLP program in the country. As chair, I provided leadership of a department-wide strategic planning process for the Department of Communication Science and Disorders and transitioned the department from a centralized allocation budget model from the provost to a responsibility center management (RCM) budget model.

Prior to my service as Chair of the Department of Communication Science and Disorders at the University of Pittsburgh, I served as Associate Vice Chair for Research in the Department of Otolaryngology at Vanderbilt University School of Medicine. In this role, I served on the Executive Leadership Team that reported directly to the Director of the Vanderbilt Bill Wilkerson Center for Otolaryngology and Communication Sciences and the Guy M. Maness Professor and Chairman of the Department of Otolaryngology, Roland D. Eavey, M.D., S.M. This included fiscal and administrative oversight of a ***$1.0 million dollar annual operating budget*** and ***$4.7 million dollars in annual grant revenue*.** In my academic leadership role, I provided specific oversight of the basic science research programs, laboratories, and support for the basic science research missions of the department. Departmental research activities included federal, non-federal, and industry sponsored research grants and a portfolio of ***15 federally funded research awards*** (***$3.1 million dollars***), ***10 industry sponsored clinical trials ($700 thousand dollars), and 2 internal grant awards ($140 thousand dollars)***. Investments in growth of departmental research laboratories, faculty, research infrastructure, and support for faculty research activities led to a ***37% increase in federal research funding*** and ***23% increase in funding for industry sponsored clinical trials*** during the period 2015-2017. The department ranked #4 among departments of otolaryngology in NIH sponsored research. I also served on faculty search committees and chaired a faculty search in Neurogenic Speech Disorders that resulted in the successful recruitment of 2 senior/mid-career level faculty recruits to the Department of Hearing and Speech Sciences. These two positions strengthened an already strong and robust clinical program in the area of adult neurogenics at Vanderbilt University School of Medicine and the Pi Beta Phi Rehabilitation Institute at the Vanderbilt Bill Wilkerson Center. With the successful recruitment of a junior faculty hire in speech sciences (dysarthria) in 2013/2014, these two additional faculty hires in 2015/2016 led to strategic growth of the research enterprise by strengthening the academic missions of the department in the adult neurogenics, with particular emphasis in dysarthria (speech), aphasia (language), and cognition/memory. The department was consistently ranked #1 in Speech-Language Pathology in the USNWR rankings.

UNIVERSITY AND MEDICAL SCHOOL

Laboratory-based mentor 2008-2013
Vanderbilt University School of Medicine
Emphasis Program

Member, Resident Research Review Committee 2008-2018
Vanderbilt University
Department of Otolaryngology.

Member, Resident Applicant Review Committee 2008-2018
Vanderbilt University
Department of Otolaryngology

Member, Admissions Review Committee 2008-2018
Vanderbilt University
Department of Hearing and Speech Sciences

Member, Ad-Hoc Committee 2009-2010
Response to Graduate Task Force
Report on Ph.D. Program
Vanderbilt University
Department of Hearing and Speech Sciences.

Member, Ad-Hoc Committee 2009-2010
Ph.D. Program Teaching
Requirement, Vanderbilt University
Department of Hearing and Speech Sciences.

Member, Ad-Hoc Committee 2010-2011
Ph.D. Student Recruiting
Vanderbilt University
Department of Hearing and Speech Sciences.

Member, Junior Faculty Mentoring Committee 2010-2018
Vanderbilt University
Department of Hearing and Speech Sciences.

Member, Faculty Search Committee 2011-2012
(Neurogenic Speech Disorders)
Vanderbilt University
Department of Hearing and Speech Sciences.

Member, Faculty Search Committee 2011-2012
(Autism Spectrum Disorders)
Vanderbilt University
Department of Hearing and Speech Sciences.

Member, Faculty Search Committee 2013-2014
(Chief of Rhinology)
Vanderbilt University
Department of Otolaryngology.

Member, Faculty Search Committee 2013-2014
(Open rank search in Speech Science)
Vanderbilt University
Department of Hearing and Speech Sciences.

Chair, Faculty Search Committee 2015-2016
(Open rank search in Neurogenic communication disorders)
Vanderbilt University
Department of Hearing and Speech Sciences.

As Chair of Search Committee
successfully recruited 2 NIH funded
research scientists, one from the University of Iowa
and one from the University of Arizona.

Member, Faculty Search Committee (Laryngology) 2017-2018
Vanderbilt University
Department of Otolaryngology.

Chair of Search Committee 2020
Department of Communication Science and Disorders
Director of MA/SLP Program
University of Pittsburgh

Chair of Search Committee 2020
Department of Communication Science and Disorders
Director of Undergraduate Program
University of Pittsburgh

Chair of Search Committee 2021
Department of Occupational Therapy, Department Chair
University of Pittsburgh

Departmental Service Tenure and Promotion

Member, Departmental Faculty Promotion Review Committee 2014-2015
(Dr. Barbara Jacobson), Vanderbilt University
Department of Hearing and Speech Sciences.

Member, Departmental Faculty Tenure and 2016-2017
Promotion Review Committee
(Dr. Stephen Wilson), Vanderbilt University
Department of Hearing and Speech Sciences.

Member, Departmental Faculty Tenure and 2016-2017

Promotion Review Committee
(Dr. Melissa Duff), Vanderbilt University
Department of Hearing and Speech Sciences

Member, Department Promotion Review Committee 2017-2018
(Dr. Michael de Riesthal)
Vanderbilt University
Department of Hearing and Speech Sciences.

Major Committee Assignments

Member, Ad-Hoc Committee on 2005-2006
Research Integrity and Publication Practices
Association of American Medical Colleges/
American Speech Language Hearing Association.

Member, Scientific Program Committee 2008
American Speech-Language Hearing Association

Co-chair, Research Committee 2008-2010
American Speech-Language Hearing Association
Special Interest Group-3, Voice and Voice Disorders.

Member, Scientific Program Committee 2013-2014
American Laryngological Association

Steering Committee, 2013-2015
American Speech-Language-Hearing Association
Special Interest Group-3, Voice and Voice Disorders.

Member, Data Safety Monitoring Board (DSMB) 2013-2018
"Assessment of Esophageal Epithelium
Integrity with Mucosal Impedance".

Member, Voice, Resonance, and Alaryngeal Committee 2014
American Speech Language Hearing Association
Orlando, Florida.

Member, ASHA Ad Hoc Committee on the Scope of Practice 2014-2018
in Speech-Language Pathology.
American-Speech-Language-Hearing Association.

Member, Mathematics Textbook Selection Committee 2014-2015
Williamson County School System, Tennessee.

Site Visitor, Council on Academic 2015-2019

Accreditation in Audiology and Speech Pathology (CAA).
The CAA accredits eligible clinical doctoral programs in
audiology and master's degree programs
in speech-language pathology.

At-large Member, Committee on Honors (COH). 2018-2020
The COH is appointed by the Committee on Committees
and approved by the ASHA Board of Directors.
The COH receives nominations for
Honors, Fellows, and other Association awards.

Chair, ASHA Committee on Honors (COH). 2019-2020

Member, Strategic Planning Committee 2020-2021
School of Health and Rehabilitation Sciences.

Steering Committee, Center on Access Transportation Assistive 2020-2022
Prosthetic/Orthotic and Health Technologies (CATAPULT)
School of Health and Rehabilitation Sciences.

Search Committee Chair, 2021-2022
Chair of the Department of Occupational Therapy
School of Health and Rehabilitation Sciences.

Member, Dean's Advisory Council 2018-2022
School of Health and Rehabilitation Sciences

Member, Diversity in Academia Working Group 2021-2022
University of Pittsburgh

Other Professional Activities

Ambassador, University Giving Program (Vanderbilt University) 2010-2017
American-Speech-Language Hearing Foundation.

Trustee, American-Speech-Language Hearing Foundation. 2020-2023

Media Coverage and other publicity

"How to Protect your Voice & Hearing from Damage at the Super Bowl and other Loud Events"
ABC News, February 3, 2019

"How to Avoid a Super Bowl Injury to Your Voice"
The Conversation, February 1, 2019

"Faculty Spotlight: Dr. Bernard Rousseau"

Pitt School of Health and Rehabilitation Sciences, **September 25, 2019**

"New SHRS Chair offers Tips for Protecting your Voice at Pitt vs. Penn State Game"
University Times, September 6, 2018

"Rousseau Joins Pitt SHRS as Chair of Department of Communication Science and Disorders"
Pitt School of Health and Rehabilitation Sciences, August 21, 2018

"New lab spaces emblematic of otolaryngology's growth"
VUMC Reporter, February 2, 2017.

"Black and Gold Gala 2015 – Professional Achievement Award"
University of Central Florida, College of Health and Public Affairs, October 31, 2015

"Inaugural Chancellor Faculty Fellows Named"
VUMC Reporter, February 12, 2015.

"Speech and Hearing Association Honor's VUMCs Rousseau"
VUMC Reporter, December 11, 2014.

"Faculty Meeting Highlights VUSM Achievements"
VUMC Reporter, May 29, 2014.

"People Column"
The ASHA Leader, February 2014.

"Math Models to Aid Voice Disorders"
VUMC Reporter, Jan 27, 2014.

"People on the Move"
Nashville Business Journal, May 30, 2013.

"Two Elected Fellows of the American Laryngological Association"
VUMC Reporter, May 23, 2013.

"Bad Vibrations"
VUMC Reporter, Jan 11-18, 2008; Aliquots–Research Highlights from VUMC Labs.