Dr. Everette James served as Professor and Chairman of the Department of Radiology and Radiological Sciences at Vanderbilt University Medical Center over a sixteen-year period (1975-1991). During his tenure, the department was transformed from a small clinical department to a leading clinical and academic radiology program, and new medical imaging modalities were added to the diagnostic armamentarium, including color flow Doppler sonography; computed tomography; digital angiography; magnetic resonance imaging; and advances in nuclear medicine including single photon emission computed tomography and positron emission tomography.

Dr. James is an honors graduate of the University of North Carolina and Duke University Medical School. He completed his radiology residency at the Massachusetts General Hospital and Harvard Medical School and served on the faculty at Johns Hopkins University from 1969-1974. His postdoctoral work was at Johns Hopkins School of Public Health, Harvard Medical School, and as an Honorary Fellow of the Royal Society of Medicine of England. He is a graduate of the Program of Health, Systems Management at the Harvard Business School. He was a Picker Advanced Academic Fellow under Russell H. Morgan at Johns Hopkins. He has had numerous significant roles in organized academic radiology and is past president of the American Roentgen Ray Society, the Association of University Radiologists, and the Society of Chairmen of Academic Radiology Departments. In 2002 he received the Duke University Humanitarian Award, and in 2003 received the Association of University Radiologists Gold Medal and American Roentgen Ray Society Gold Medal for his contribution to the entire field of Radiology. He has been given the Distinguished Graduate Award of Duke University Medical School in 1993 and in 2002 received the Medical School’s Humanitarian Award.

Dr. James currently is active in numerous clubs, societies, and committees at the University of North Carolina. He is affiliated with many state and national art-related organizations and museum boards. In 1994 Dr. James won the North Carolina Carraway Award for Historic Preservation. Dr. James’ personal art collection has been exhibited widely in the South. Dr. James and his wife have contributed paintings and art objects to various universities, clubs, and museums.

Dr. James is currently a lecturer at Johns Hopkins Medical School, Adjunct Professor and Emeritus Chair at Vanderbilt, and Clinical Professor at the University of North Carolina at Chapel Hill. He is the author of over 500 reviewed articles, 150 textbooks representing a broad range of topics in science, medicine, law, management, art and folklore. He is listed in 23 Who’s Who including Who’s Who in Art.

Dr. James is recognized by the A. Everette James, Jr. Lectureship in Radiology and Radiological Sciences because of the basic and fundamental contributions that he made to Vanderbilt University by establishing, building and supporting a department which continues to attract the finest faculty and trainees as radiology residents, fellows, and graduate students. The department continues his goal to prepare the next generation of professionals in both basic and clinical radiological sciences.
12:00 pm  Welcome and Introduction of the James Lecturer

Arthur C. Fleischer, M.D.
Professor of Radiology and Radiological Sciences

12:10 pm  THE A. EVERETTE JAMES, JR. LECTURE
“Ultrasound Contrast Use, Now and in the Future”

Robert F. Mattrey, MD
Professor of Radiology
University of California, San Diego
MRI Institute, San Diego, CA

**Targeted audience:** Designed for faculty, residents, staff and medical students.

**Objective:**
1. How microbubbles work as ultrasound contrast agents;
2. how they are being used clinically and how they can help patients;
3. what cellular and molecular imaging aim to accomplish;
4. how microbubbles can be used for cellular and molecular imaging;
5. how ultrasound contrast agents can be used for therapy.

Vanderbilt School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. Vanderbilt School of Medicine designates this educational activity for a maximum of 1 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

It is the policy of Vanderbilt School of Medicine that participants in CME activities be made aware of any affiliation or financial interest that may affect the planner’s involvement and speaker’s presentation(s). Each planner and speaker has completed and signed a conflict of interest statement; these relationships will be disclosed to the audience. Course Director, Jeff Creasy, M.D. has no financial relationships related to the content of this activity to disclose. This educational activity received no commercial support.

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**Robert Mattrey, MD**

Dr. Mattrey is a world renowned “Thought leader” in medical imaging. He currently directs multiple research projects involving molecular imaging and contrast agents. He has pioneered the use of microbubble contrast agents in ultrasound, the topic of this year’s James lecture.

He has received many awards from the Association of University Radiologists and the Harry Fisher Lifetime Achievement Award in contrast Media Research. Bob is currently Vice Chairman, Director, Research of the Department of Radiology at the University of California, San Diego.

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**PREVIOUS JAMES LECTURERS**

1995 Charles E. Putnam, M.D.  
1996 Gerald S. Freeman, M.D.  
1997 David G. Bragg, M.D.  
1998 Robert I. White, M.D.  
1999 Jeffrey H. Newhouse, M.D.  
2000 Lee F. Rogers, M.D.  
2001 Christopher R.B. Merritt, M.D.,FACR  
2002 William M. Thompson, M.D.  
2003 Arthur C. Fleischer, M.D.  
2005 James H. Thrall, MD  
2006 Jonathan B. Kruskal, M.D., Ph.D.  
2007 N. Reed Dunnick, M.D.  
2008 William Bradley, Jr., M.D.  
2009 Duke University  
2010 Yale University  
2011 National Institute of Health  
2012 Yale University  
2013 Columbia University  
2014 Wake Forest University  
2015 Thomas Jefferson University  
2016 Duke University  
2017 Vanderbilt University  
2018 Harvard University  
2019 Duke University  
2020 University of California, San Diego