

UNIVERSITY OF PENNSYLVANIA - PERELMAN SCHOOL OF MEDICINE  
Curriculum Vitae

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Tessa Sundaram Cook, MD PhD CIIP FSIIM

Address: Hospital of University of Pennsylvania  
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If you are not a U.S. citizen or holder of a permanent visa, please indicate the type of visa you have:  
none (U.S. citizen)

Education:

1997	B.S.E	Johns Hopkins University Whiting School of Engineering, Baltimore MD (Biomedical Engineering)
1997	B.S.E.	Johns Hopkins University (Computer Science)
1999	M.S.E	Johns Hopkins University Whiting School of Engineering, Baltimore MD (Biomedical Engineering)
2007	M.D./Ph.D	University of Pennsylvania School of Medicine & University of Pennsylvania School of Engineering and Applied Sciences, Philadelphia, PA (Medicine and Bioengineering)

Postgraduate Training and Fellowship Appointments:

2007-2008	Internal Medicine Internship, Hospital of the University of Pennsylvania, Philadelphia, PA, Department of Medicine
2008-2012	Diagnostic Radiology Resident, Research Track, Hospital of the University of Pennsylvania, Philadelphia, PA, Department of Radiology
2011-2012	Research Chief Resident, Open Source Leadership Award (RADIANCE), Society for Imaging Informatics in Medicine (SIIM)
2012-2013	Cardiovascular Imaging Fellow, Hospital of the University of Pennsylvania, Philadelphia, PA, Department of Radiology

Military Service:

[none]

Faculty Appointments:

2013-present	Assistant Professor of Radiology at the Hospital of the University of Pennsylvania, University of Pennsylvania School of Medicine
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Hospital and/or Administrative Appointments:

2013-present	Chief, 3-D and Advanced Imaging, Department of Radiology,
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2013-2020	Hospital of the University of Pennsylvania Director - Imaging Informatics Fellowship, University of Pennsylvania
2018-Present	Active Radiologist, Phoenixville Hospital, Dept. of Radiology

Other Appointments:

1994-1995	Proctor, Johns Hopkins University Dept. of Computer Science, Baltimore, MD
1995-1996	Consultant, Johns Hopkins University Dept. of Computer Science, Baltimore, MD
1996-1998	Web Developer, International Society of Magnetic Resonance in Medicine (ISMRM), Berkeley, CA
1996-1997	"WIRE THE WORKPLACE" Intranet Development Team Member, T. Rowe Price Associates, Inc., Baltimore, MD
1996-1997	Web Site Coordinator, Johns Hopkins University Dept. of Computer Science, Baltimore, MD
1997-1998	Web Developer, Johns Hopkins University Department of Biomedical Engineering, Baltimore, MD
1999-2004	Web Developer, University of Pennsylvania, Philadelphia, PA
1999-2004	Y2K Compliance Technician, School of Medicine Y2K Office, University of Pennsylvania, Philadelphia, PA
2001-2003	Project Consultant, Scitecs International Ltd., Media, PA
2002-2013	Instructor, MCAT Biology, USMLE Biochemistry, DAT, The Princeton Review, Philadelphia, PA
2002-2013	Premier Tutor - MCAT Biology; Master Tutor - SAT II Biology, AP Biology, The Princeton Review, Philadelphia, PA
2002-2013	Master Trainer - MCAT Biology, The Princeton Review, Philadelphia, PA
2002-2013	Research and Development Team - MCAT Biology, The Princeton Review, Philadelphia, PA
2015-2018	Director, Center for Translational Imaging Informatics, Department of Radiology, Hospital of the University of Pennsylvania
2019-Present	Director, Center for Practice Transformation, Department of Radiology, Hospital of the University of Pennsylvania

Specialty Certification:

2012	American Board of Radiology
2012	Certification Board for Cardiovascular Computed Tomography
2017	American Board of Imaging Informatics

Licensure:

2012-Present	Pennsylvania
2015-Present	New Jersey

Awards, Honors and Membership in Honorary Societies:

1994-1997	Beneficial - Hodson Merit Scholarship
1995	National Merit Scholarship
1995	Member, Alpha Epsilon Delta (Premedical Honor Society)
1996	Member, Tau Beta Pi (Engineering Honor Society)
1997	Chapter Founding Member, Alpha Eta Mu Beta (Biomedical Engineering Honor Society)
1997-1998	President, Johns Hopkins Tau Beta Pi
1997	Member, Omicron Delta Kappa (Leadership Honor Society)
1998	Benjamin Franklin Fellowship
2000-2004	Penn Medical Student Government Representative
2000-2002	Student Representative to Executive Committee, University of Pennsylvania Combined Degree and Physician Scholar Program
2003-2006	International Society for Magnetic Resonance in Medicine (ISMRM) Educational Student Stipend
2007	University of Pennsylvania School of Medicine Pulmonary Research Prize
2009	Society for Imaging Informatics in Medicine (SIIM) Resident Scholarship
2009	Pennsylvania Radiologic Society Poster Session, Second Place
2011	Certificate of Merit for Education Exhibit "An Evening with Sievert and Gray", Radiological Society of North America (RSNA)
2011	Pennsylvania Radiologic Society Poster Session, Second Place
2011-2012	Research Chief Resident
2011	E. Stephen Amis, Jr., MD Fellowship in Quality and Safety, American College of Radiology (ACR)
2011	Jack Westcott Award for Best Student/Resident/Fellow Oral Presentation, Society of Thoracic Radiology (STR)
2012	1st Annual Penn Radiology Resident Quality and Safety Award
2012	Baum - Laufer Award for Excellence in Service to the Penn Radiology Residency
2012	Roentgen Resident/Fellow Research Award, Radiological Society of North America (RSNA)
2012	Trainee Research Prize, Radiological Society of North America (RSNA)
2012	Certificate of Merit for Education Exhibit "Teach an Old Dog New Tricks", Radiological Society of North America (RSNA)
2014	Top People to Watch in Radiology (Researcher), Diagnostic Imaging
2014	Cum Laude Award for "CT Dose Reduction Techniques: An Interactive Team-Based Approach", Radiological Society of North America (RSNA) 2014

2015	Clinician Educator Development Program Fellow (exclusive opportunity offered by the American Roentgen Ray Society to junior faculty)
2016	Featured Member at 2016 Annual Meeting, RSNA
2016	Certificate for Excellence in Reviewing for Academic Radiology
2016	Valued Reviewer, Academic Radiology
2018	Innovation Accelerator Award for LiveAware (HCC Screening Initiative), Penn Center for Healthcare Innovation
2018	Academic Faculty Development Program participant, Association of University Radiologists
2018	Most Effective Radiology Educator, Aunt Minnie
2019	Honored Educator, RSNA
2020	The Ruth Dayhoff Award for the Advancement of Women in Medical Imaging Informatics (inaugural award, first given in 2020 by the Society for Imaging Informatics in Medicine)
2020	Fellow of the Society for Imaging Informatics in Medicine (FSIIM)

Memberships in Professional and Scientific Societies and Other Professional Activities:

International:

2008-Present	Radiological Society of North America (RSNA) (Member (2008-present); MIRC Subcommittee of the Radiology Informatics Committee (2012-2016); InfoRAD Education Exhibits Awards Committee (2014); Radiology Informatics Committee (2014-present); Health Services Policy & Research Subcommittee of the Scientific Program Committee, (2014-present); Informatics Refresher Track Co-Chair (2017-2020))
2009-2017	SPIE (Member (2009-2017); Track Co-Chair for PACS and Advanced Imaging Informatics (2014-2016); Track Co-Chair for Imaging Informatics for Healthcare, Research, and Applications (2017); Program Committee Member (2014-present))
2009-Present	Society for Imaging Informatics in Medicine (SIIM) (In Training Liaison to the Board of Directors (2010-2013); Co-Chair, SIIM New Innovators Committee (2010-2013); Chair, New Innovators Committee (2013-present); Co-Chair, Open Source Plug Fest (2012-2013); Content and Publications Committee (2012-present); Moderator, SIIM session (2012-2019); Program Committee (2013-present); eCommunity Committee (2015-2017); Board of Directors (2017-present))
2010	The International Society for Magnetic Resonance in Medicine (Co-moderator, Lung Imaging Session, ISMRM 2010)
2013-2014	Society for Medical Decision-Making (Member)
2014-Present	Diagnostic Imaging (Editorial Board)

- 2016-Present United Kingdom National Institute for Health Research (Grant Reviewer)
- 2017-2018 Certification Examination Program in Cardiovascular Magnetic Resonance under the Alliance for Physician Certification & Advancement (APCA) (Job Task Analysis Working Group 2017-, Assessment Oversight Committee 2017-)
- 2018-Present Society for Cardiovascular Magnetic Resonance
- 2019-Present European Society of Radiology (Member, eHealth and Informatics Subcommittee)
- National:
- 2008-Present American College of Radiology (Member (2008-present); Reference Committee II member (2012); Moderator, NRDR Users' Group Meeting (2012); Alternate Councilor for Pennsylvania (2013-present); Commission on Informatics (2014-present); Structured Recommendations and Findings Committee (2014-2016); Computer-Assisted Radiology Committee (2016-2017); Annual Meeting Program Committee (2017-present); Abstract Review Committee (2015-present); Data Science Institute Use Case Committee (2017-present); Data Science Institute Data Sharing Workgroup (2019-present); Technical Expert Panel on Closing the Follow-Up Loop (2020-present))
- 2009-Present Association of University Radiologists (AUR) (Member (2009-); RAHSR Colloquium Session Co-Moderator (2013); Scientific Program Committee (2015-); Electronic Communications Committee (2015-2018); Member-At-Large on Board of Directors (2016-present); RAHSR Executive Committee (2017-); RAHSR Electronic Communications Committee Chair (2016-2017); RAHSR Associate Program Chair (2019-2020); RAHSR Program Chair (2020-2021))
- 2010-2019 American Roentgen Ray Society (ARRS) (Member (2010-2017); Scientific Session Co-Moderator (2013, 2015, 2016); Scientific Program Subcommittee--Efficacy/Education/Administration (2013-2017); Scientific Program Subcommittee--Cardiac (2014-2019))
- 2017 American Association of Physicists in Medicine (Annual Meeting Abstract Reviewer 2017)
- 2017-Present American Board of Imaging Informatics (Member, 10-Year Recertification Review Committee)
- 2017-Present American Board of Radiology (Member, Non-Interpretive Skills Question Writing Committee, 2017-present; Author, Informatics Section, Non-Interpretive Skills Study Guide, 2019 version)
- 2017 American Medical Informatics Association (Member)

Local:

- 2014-Present Pennsylvania Radiological Society (Board Member (2014-present);  
Technology Affairs Committee Member (2014-present);  
Technology Affairs Co-Chair (2018-present))
- 2014-Present Philadelphia Roentgen Ray Society (Executive Board Member 2014-present;  
Technology Committee Chair 2014-present;  
Educator of the Year Committee 2016-present;  
Education Committee 2017-2018)

Editorial Positions:

- 2009 Reviewer, Radiology
- 2009 Reviewer, IEEE Conference on Computer Vision and Pattern Recognition
- 2009 Reviewer, International Journal of Biomedical Engineering
- 2011-Present Reviewer, Journal of Digital Imaging
- 2013-Present Reviewer, Society for Imaging Informatics in Medicine (SIIM)
- 2014-Present Reviewer, Academic Radiology
- 2016-2018 Consulting Editor, American Journal of Roentgenology
- 2017-Present Reviewer, Applied Informatics
- 2017-Present Editorial Board, Diagnostic Imaging
- 2018-Present Editorial Board Member, Journal of the American College of Radiology
- 2018-2021 Editor, Physics/Informatics, Clinical Imaging
- 2018-Present Editorial Advisory Board, Radiology Business Journal
- 2018-Present Reviewer, Radiology: Artificial Intelligence
- 2018-2021 Editorial Board Member, Clinical Imaging
- 2018-Present Reviewer, Clinical Imaging
- 2018-Present Editorial Board Member, Journal of Digital Imaging
- 2018-Present Reviewer, American Journal of Roentgenology
- 2019-Present Reviewer, Lancet Digital Health
- 2019-Present Reviewer, British Journal of Radiology
- 2019 Guest Editor, Special Issue of JACR on "Quality and Data Science" September 2019
- 2019-Present Reviewer, Applied Clinical Informatics
- 2020-Present Reviewer, RSNA Case Collection
- 2020 Guest Editor, special issue of Academic Radiology on "Artificial Intelligence"

Academic and Institutional Committees:

- 2010-2012 Resident Interviewer, Penn Radiology Residency Interview Committee
- 2010 Co-director, Introduction to Radiology
- 2010 Member, First-Year Resident Welcoming Committee
- 2011-2012 Member, Resident Quality and Safety Committee, Department of

	Radiology
2011-2014	Member, Departmental IT Committee
2013-2015	Interviewer, Perelman School of Medicine Admissions Committee
2014-Present	Interviewer, Penn Radiology Residency Interview Committee
2014-2016	Member, Radiology Department Website Redesign Committee
2014-2015	Member, PennChart Radiology Implementation Committee
2014-2017	Member, Connected Health Steering Committee
2016-2017	Member, PACS Selection Committee
2017-2018	Member, PACS Implementation Committee
2018-2019	Member, Penn Radiology Faculty Wellness Committee
2018-Present	Member, Pendergrass Symposium Planning Committee
2019-Present	Member, Radiology Program Evaluation Committee (PEC)
2020-Present	Member, CME Committee

#### Major Academic and Clinical Teaching Responsibilities:

2000	Graduate Teaching Assistant - BE550, Cardiovascular Dynamics   Dr. Noordergraaf
2001	Graduate Teaching Assistant - BE567, Modeling Biological Systems   Drs. Hammer, Margulies, Finkel
2001-2003	"Culture Matters" senior medical student preceptor (August 2001, August 2002, October 2003), Small-group discussion leader on cultural awareness and sensitivity in medical practice
2001	Graduate Teaching Assistant - BE546, Quantitative Image Analysis   Dr. Axel
2002	Graduate Teaching Assistant - BE200, Introduction to Biomechanics and Biomaterials   Dr. Pollack
2003	Graduate Teaching Assistant - BE305, Engineering Principles of Human Physiology   Dr. Schotland
2003	Grand Rounds - "To MRI or Not? Cardiac Applications of Medical Imaging". University of Pennsylvania Combined Degree Program
2008	Small group preceptor, introduction to radiologic anatomy during gross anatomy: first-year medical students
2009-2013	Lecturer - "Introduction to chest radiology during Module II": second-year medical students   HUP   Annual
2009-2011	Lecturer - "Introduction to radiology: first-year radiology residents"   HUP   Annual
2009-2011	Lecturer - "Radiologic Pathology: radiology technologist students   HUP   Annual
2011	Cardiovascular Imaging Missed Case Conference: radiology residents
2011-2016	How To Be An Academic Radiologist (HTBAR) - "Why Do Informatics Research?"   "Radiology Informatics at Penn"   "Informatics Tools for Research"   "Informatics Research and Funding Opportunities"   "Imaging Informatics at Penn Radiology"   HUP   Annual
2012-2015	Alphabet Soup of Imaging Informatics - Informatics AM Conference

	HUP   Annual
2012-2016	Lecturer - "Traumatic Cardiac and Aortic Injury and Cardiovascular Emergencies ER preparedness"   Radiology Residents   Annual
2012-2019	Division Board Review Courses - Cardiovascular Imaging   HUP   3x annually
2012-2019	Multidisciplinary Resident Didactic Lectures - "AM Conferences"- Radiology Residents   HUP   Annual - 18 month
2013-2015	Course Co-Director, RAD 631 (Computers in Radiology)
2013-2016	Curriculum Manager - Radiology Resident AM Conference Informatics Lectures   HUP   Annual
2013-2014	Lecturer - "Pericardial Disease for Multimodality Imaging Conference"(Cardiology)   "The Pericardium lecture for Multimodality Imaging Conference" (Cardiology)   HUP   Annual
2013-2018	PSOM Frontiers in Radiology (FRO 521) - "3-D and Advanced Imaging"   "Radiation Dose Monitoring"   "Imaging Informatics"   PSOM   Annual
2013-2014	Penn CME Course - "Patient Preparation and Technical Aspects"   Coronary CTA   "Infectious, Inflammatory and Neoplastic Etiologies in the Chest"   "Coronary Artery Anatomy"   HUP   Annual
2013-2014	Lecturer - RAD 631, "Informatics, 2-D and 3-D Visualization"   "Translational Imaging Informatics"   Core Exam Review   HUP   Annual
2014	Grand Rounds - Quality and Safety : "Lost in Surveillance: The Natural History of Incidental Radiology Findings"   Department of Medicine
2014-2015	Mentoring - Caroline Sloan   Penn Student - Outcome: Abstract presented at RSNA 2014.
2014	Lecturer - RAD 611 "Principles of Image Processing"
2014-2015	Coronary CT Angiography: Patient Preparation, Anatomy, and Interpretation lecture for Multimodality Imaging Conference (Cardiology)   Annual
2015	Penn CME Lecture - "Pitfalls, Subtle Findings and Trauma to the Chest"   "Infectious, Inflammatory and Neoplastic Etiologies in the Chest"   Incidental Findings and Dose Reduction"   "Imaging Differentials in the Patient with Chest Pain"   Radiology After Hours: Acute Diagnoses Course   Atlantis Paradise Island
2015-2016	Mentoring - Peter Dunbar   Penn Student - Outcome: Abstract presented at NY Medical Imaging Informatics Symposium 2015.
2015-2016	Mentoring - Eliann Santo   Penn Student - Outcome: Abstract presented at NY Medical Imaging Symposium 2015.
2015-2017	Lecturer - "Imaging the Pericardium with CT and MRI" Lecture for Multimodality Imaging Conference   HUP Cardiology   Annual
2015-2019	PSOM Frontiers in Radiology (FRO 519) "Imaging Informatics"   PSOM   Annual
2016-2017	Mentoring - Lauren Comisar   Penn Student - Outcome: Abstract with American Association for Cancer Research



2016	Informatics for Quality and Safety
2017	Grand Rounds - "Informatics Fellowship Showcase"   HUP
2017-2018	CVI Emergencies (ER readiness AM conference)   HUP   Annual
2018-2019	PSOM Introduction to Imaging Informatics (RA300)   PSOM   4X annually
2019	"Informatics Innovations for Patient-Centered Care in Radiology", Center for Biomedical Image Computing and Analytics (CBICA) Seminar
2019	How To Be An Academic Radiologist (HTBAR) - "Practice Transformation in Radiology"   HUP   Annual
2020	"Imaging the Pericardium"   HUP (CVI special COVID virtual teaching)

Lectures by Invitation (Last 5 years):

Apr, 2016	"Leveraging the Report: An informatics Approach to Patient Follow-up", Association of University Radiologists (AUR), San Diego, CA
Apr, 2016	"Tools for Monitoring CT Protocols", American Roentgen Ray Society, Los Angeles, CA
Apr, 2016	"Why You Should Use the MIRC® Teaching File System in Your Residency Program", Association of University Radiologists (AUR), San Diego, CA
Apr, 2016	"Non-Interpretive Skills: Imaging Informatics", Non-Interpretive Skills Board Review (Philadelphia Roentgen Ray Society and Pennsylvania Radiologic Society), Philadelphia, PA
May, 2016	"Monitoring Patients with Non-Critical Actionable Findings: Can Informatics Solve All Our Problems?", American College of Radiology (ACR), Washington DC
Jun, 2016	"Introduction to Statistical Computing with R", Society for Imaging Informatics in Medicine, Portland, OR (presented with Eric Schmitt, MD PhD and Joe Wildenberg, MD PhD)
Jun, 2016	"Getting the Message Across: Imaging Informatics for the Management of Non-Critical Actionable Findings", SIIM 2016, Portland, OR
Jun, 2016	"Advanced Statistical Computing with R", Society for Imaging Informatics in Medicine, Portland, OR (presented with Eric Schmitt, MD PhD and Joe Wildenberg, MD PhD)
Jul, 2016	"Informatics Resources for Radiation Exposure Monitoring", Society for Medical Imaging Informatics (SIIM) and European Society for Medical Imaging Informatics (EuSoMII), Online Webinar
Nov, 2016	"Intro to Statistics with R (Hands-on)", RSNA 2016, Chicago, IL
Nov, 2016	"Formal Opportunities and Resources for Imaging Informatics Training", RSNA 2016, Chicago, IL
Nov, 2016	"Capabilities of Current and Future Business Analytics Technologies", RSNA 2016, Chicago, IL
Nov, 2016	"Opportunities in Informatics to Increase Patient Value", RSNA

- 2016, Chicago, IL
- Nov, 2016 "Hands-on Introduction to Social Media (Hands-on)", RSNA 2016, Chicago, IL
- Nov, 2016 "Intro to Statistics with R (Hands-on)", RSNA 2016, Chicago, IL
- Dec, 2016 "Hands-on Introduction to Social Media (Hands-on)", RSNA 2016, Chicago, IL
- Dec, 2016 "Monitoring Radiation Exposure: Standards, Tools and IHE REM: Deployment and Practice", RSNA 2016, Chicago, IL
- Dec, 2016 "Do We Agree to Disagree? Patterns of Radiologist Reporting of Indeterminate and Suspicious Findings on Abdominal Imaging", RSNA 2016, Chicago, IL
- Co-authors: Cook TS, Hubbard R, Lalevic D, Pizzurro C, Schnall MD, Zafar HM
- Dec, 2016 "Structured Reporting of Focal Abdominal Masses Suspicious for Cancer: Lessons Learned from a Two-Year Initiative at a Multi-Hospital Academic Medical Center", RSNA 2016, Chicago, IL
- Co-authors: Cook TS, Lalevic D, Chadalavada SC, Sloan C, Langlotz CP, Hubbard R, Schnall MD, Kahn CE Jr., Zafar HM
- Mar, 2017 "Monitoring Patients with Non-Critical Actionable Findings on Abdominal Imaging: the Automated Radiology Recommendation Tracking Engine", Meriter Hospital Medicine Grand Rounds, Madison, WI
- Mar, 2017 "An Automated Radiology Recommendation Tracking Engine: Actionable Reporting to Facilitate Follow-Up Monitoring", University of Wisconsin Radiology Grand Rounds, Madison, WI
- Mar, 2017 "Monitoring Patients with Non-Critical Actionable Findings: Can Informatics Solve All Our Problems?", PRRS 2017, Philadelphia, PA
- May, 2017 "Monitoring Patients with Non-Critical Actionable Findings: How Much Can Informatics Solve Our Problems?", American College of Radiology (ACR), Washington DC
- May, 2017 "Beyond Traditional Communication: Social Media (#SoMe) in Residency Programs", AUR 2017, Hollywood, FL
- May, 2017 "Data Mining and Analytics for Tracking Completion of Recommended Follow-Up", AUR 2017, Hollywood, FL
- May, 2017 "Appropriate Use of Imaging: The Case for CT -- Myths", AUR 2017, Hollywood, FL
- May, 2017 "Imaging Informatics: What You Didn't Learn in Residency that Your Employer Thinks You Did", American College of Radiology (ACR), Washington DC
- Jun, 2017 "Cardiovascular Emergencies and Acute Aortic Syndromes", ISCT 2017, San Francisco, CA
- Jun, 2017 "Emerging Considerations in the Diagnosis and Management of

	Coronary Anomalies", ISCT 2017, San Francisco, CA
Jun, 2017	"Automated Radiology Recommendation Tracking", ISCT 2017, San Francisco, CA
Jun, 2017	"Data Visualization with R", SIIM 2017, Pittsburgh, PA
Jun, 2017	"Radiation Dose Metrics: Current and Future Considerations for CT", SIIM 2017, Pittsburgh, PA
Jun, 2017	"Delivering Value-Based Care Using Innovative Imaging Informatics: Follow-Up Monitoring", SIIM 2017, Pittsburgh, PA
Nov, 2017	"Hands-on Introduction to Social Media: Basic (Hands-on)", RSNA 2017, Chicago, IL
Nov, 2017	"Hands-on Introduction to Social Media: Intermediate (Hands-on)", RSNA 2017, Chicago, IL
Nov, 2017	"How to Translate Radiology Reports to the Language that Patients Understand", RSNA 2017, Chicago IL
Nov, 2017	"IHE and Beyond: Improving Radiology Quality through IT Interoperability", RSNA 2017, Chicago IL
Nov, 2017	"Formal Opportunities and Resources for Imaging Informatics Training", RSNA 2017, Chicago IL
Nov, 2017	"Capabilities of Current and Future Business Analytics Technologies", RSNA 2017, Chicago IL
Nov, 2017	"Practicing Radiology During the Rise of the Machines: Can Radiologists Be Both Doctor's Doctor and Patient's Physician?", Grand Rounds, Weill Cornell Medical College, New York NY
May, 2018	"Development and Implementation of a National Imaging Informatics Curriculum and Course (NIIC) for Radiology Residents", AUR 2018, Orlando, FL
Jun, 2018	"Unintended Consequences of System Upgrades", SIIM 2018, National Harbor, MD
Jul, 2018	"An Introduction to Imaging Informatics", American Institute for Radiologic Pathology--VOICE Program, Silver Spring, MD
Aug, 2018	"A Career and Research in Imaging Informatics", American Institute for Radiologic Pathology--VOICE Program, Silver Spring, MD
Nov, 2018	"IHE and Beyond: Improving Radiology Quality through IT Interoperability", RSNA 2018, Chicago IL
Nov, 2018	"Formal Opportunities and Resources for Imaging Informatics Training", RSNA 2018, Chicago IL
Nov, 2018	"Capabilities of Current and Future Business Analytics Technologies", RSNA 2018, Chicago IL
Nov, 2018	"Hands-on Introduction to Social Media: Basic (Hands-on)", RSNA 2018, Chicago, IL
Nov, 2018	"Patient-centered Imaging Informatics Innovations", RSNA 2018, Chicago, IL
Nov, 2018	"The Patient Perspective on Radiology Value", RSNA 2018, Chicago, IL
Nov, 2018	"Personal Health Portals: What Do Our Patients Want?", RSNA 2018, Chicago, IL

- Dec, 2018 "Informatics Innovations for Patient-Centered Care in Radiology", Grand Rounds, Emory University, Atlanta, GA
- Dec, 2018 "Current Challenges and Opportunities in Imaging Informatics", Research in Progress Seminar (RIPS), Emory University, Atlanta, GA
- Jan, 2019 "Informatics Innovations for Patient-Centered Care in Radiology", Spring 2019 Healthcare Informatics Speaker Series, Children's Hospital of Philadelphia Department of Biomedical and Health Informatics, Philadelphia, PA
- Mar, 2019 "AI in Diagnostic Imaging: An Opportunity to Reinvent the Clinical Workflow", nvidia GPU Technology Conference, San Jose, CA
- Apr, 2019 "AI, Medical Diagnosis and the Future of Medicine: The Emerging Case Study from Radiology", SNMA Annual Medical Education Conference, Philadelphia, PA (presented on behalf of the ACR)
- Apr, 2019 "Data Sharing for AI: Ethics, Practice, and Compliance Issues", Academy for Radiology and Biomedical Imaging Research Roundtable, Washington, DC
- Apr, 2019 "AI applications in Imaging- the past, current state and future", Rutgers AI in Medicine Symposium, New Brunswick, NJ
- May, 2019 "Imaging Informatics Challenges Toward Achieving Patient-Centered Radiology", Medical Imaging Informatics and Teleradiology Conference, Hamilton, ON, Canada
- May, 2019 "How the "Robots" Will Help Us Care for Our Patients (Without Taking Our Jobs)", American College of Radiology, Washington, DC
- May, 2019 "Your AI-Enabled Future in Radiology: Separating the Hope from the Hype", American College of Radiology, Washington, DC
- May, 2019 "AI in Radiology: How the 'Robots' Will Help Us Care for Our Patients", American College of Radiology, Washington, DC
- Jun, 2019 "Exploring Strategies and Opportunities for Professional Development", SIIM 2019, Aurora, CO
- Jun, 2019 "How to Thrive in Your Career: Imaging Informatics Speed Mentoring", SIIM 2019, Aurora, CO
- Jun, 2019 "Women in Imaging Informatics - Real Life Challenges Roundtable", SIIM 2019, Aurora, CO
- Jun, 2019 "Data Sharing and Data Use Strategies in AI", ACR DSI Data Science Summit, Aurora, CO
- Jun, 2019 "Being an Editor for JDI and JACR", SIIM 2019, Aurora, CO
- Jun, 2019 "Data Needs in Algorithm Training", ACR DSI Data Science Summit, Aurora, CO
- Jun, 2019 "AI in Radiology: Beyond the Images", AIMed Radiology, Chicago, IL
- Oct, 2019 "Optimizing the IT Supply Chain to Deploy AI in the Clinical Workflow", ACR Informatics Summit 2019, Washington, DC
- Oct, 2019 "Panel on AI in Academic Radiology Practices", RadPartners AI Summit, Menlo Park, CA

Oct, 2019	"Panel on Female Leadership in Technology & Healthcare", RadPartners AI Summit, Menlo Park, CA
Dec, 2019	"Developing Expertise and Skills in Radiology Informatics", RSNA 2019, Chicago, IL
Dec, 2019	"Integrating AI into the Clinical Workflow: Challenges, Pitfalls, and Opportunities", Analytic Imaging Diagnostics Arena Webinar Series, Linkoping, Sweden
Dec, 2019	"Patient-centered Imaging Informatics Innovations", RSNA 2019, Chicago, IL
Jan, 2020	"AI in Clinical Practice: Practical Considerations", SIIM AI Webinar Series, online 1/23/2020
Feb, 2020	"Deploying Artificial Intelligence in the Clinical Radiology Workflow: Challenges, Opportunities, and Examples", Stanford Artificial Intelligence in Medical Imaging Seminar, Palo Alto, CA
Apr, 2020	**canceled due to COVID-19 ** "AI workflow solutions for the learning health system", AUR 2020, Philadelphia, PA
Apr, 2020	**canceled due to COVID-19 ** "How Do Radiologists Contribute to Population Health Using AI and Big Data?", AUR 2020, Philadelphia, PA
Apr, 2020	**canceled due to COVID-19 ** "Research Mythology in Different Study Types: Health Informatics", AUR 2020, Philadelphia, PA
Apr, 2020	**canceled due to COVID-19 ** "Informatics", Cooper University Hospital Joint Grand Rounds, Camden, NJ
May, 2020	"Educating in the Virtual World: Teaching the Next Generation of Imaging Informaticists", SIIM Webinar 5/5/2020 (virtual)
May, 2020	"Implementing AI in the Clinical Radiology Workflow: Challenges, Opportunities, and Examples" MIIT 2020 (virtual; based in Hamilton, ON)
Jun, 2020	"Introducing IIPs and Early Career Professionals to the Fundamentals of Publishing", SIIM 2020 (virtual)
Jun, 2020	"Innovating with the EMR to Reduce the Cognitive Burden on Primary Care Physicians and Improve Imaging-Based Screening Rates", SIIM 2020 (virtual)
Jun, 2020	"Leveraging Technology to Improve the Patient Experience: Improving the Lines of Communication", SIIM 2020 (virtual)
Jul, 2020	**canceled due to COVID-19** "Informatics To Improve Patient Care Without Increasing Cognitive Burden On Physicians", Asian Oceanic Congress of Radiology (AOCR), Kuala Lumpur, Malaysia
Jul, 2020	"Informatics for Studying Radiology Outcomes", American Institute of Radiologic Pathology (AIRP) VOICE Program 2020 (virtual)
Sep, 2020	"Why Radiology Needs Imaging Informatics", MRI Online 2020 (virtual)
Sep, 2020	"The Promise and Potential Impact of AI in Clinical Practice", SMRA 2020 (virtual)

Sep, 2020	"Peering Beyond the Pixel: Text-Based AI in Radiology", SIIM C-MIMI 2020 (virtual)
Nov, 2020	"Which Test for Which Patient: Can AI Help?", AHA 2020 (virtual)
Dec, 2020	"The trainee experience in radiology: how could AI help?", RSNA 2020 (virtual)
Dec, 2020	"Patient-centered imaging informatics innovations", RSNA 2020 (virtual)
Dec, 2020	"Trends in the modern radiology marketplace: artificial intelligence", RSNA 2020 (virtual)
Dec, 2020	"Natural Language Processing of Radiology Reports for COVID-19", Medical Imaging Data and Resource Center 2020 Annual Meeting (virtual)
Jan, 2021	"Artificial intelligence in radiology", ACR Medical Student Symposium 2021 (virtual)
Jan, 2021	"Data science in radiology and imaging informatics", Women in Data Science (WiDS) at Penn 2021 (virtual)
Feb, 2021	"AI in Radiology Practice: the US Perspective", EuSoMII Webinar 2/24/2021 (virtual)
Feb, 2021	"Congenital Heart Disease Interventions", Penn Structural Heart Disease Course 2021 (virtual)
May, 2021	"The value of professional coaching", SIIM 2021 (virtual)
May, 2021	"Informatics and AI to support health services research", AUR 2021 (virtual)
May, 2021	"AI and the trainee experience in radiology", Colombian Association of Radiology's Annual Artificial Intelligence, Radiology and Healthcare Congress (virtual)
May, 2021	"Introduction to Cardiac MRI", Cooper University Hospital Department of Radiology, Camden, New Jersey (virtual)
May, 2021	"Informatics and AI to support health services research", AUR 2021 (virtual)
May, 2021	"AI & Data Science: Primer for Trainees", AUR 2021 (virtual)

#### Organizing Roles in Scientific Meetings:

Jun, 2012	Co-Chair, Open Source Plug Fest, Society for Imaging Informatics in Medicine Orlando, FL
May, 2013	Member, Content and Publications Committee, Society for Imaging Informatics in Medicine Grapevine, TX
Jun, 2013	Co-Chair, Open Source Plug Fest, Society for Imaging Informatics in Medicine Grapevine, TX
Jun, 2013	Member, Program Committee, SIIM 2013 Grapevine, TX
2013	Member, Program Committee, ARRS 2013 Washington, DC

Feb, 2014	Track Co-Chair, SPIE Medical Imaging San Diego, CA
May, 2014	Co-Chair, Open Source Plug Fest, Society for Imaging Informatics in Medicine Long Beach, CA
May, 2014	Member, Program Committee, SIIM 2014 Long Beach, CA
May, 2014	Member, Content and Publications Committee, Society for Imaging Informatics in Medicine Long Beach, CA
2014	Member, Program Committee, ARRS 2014 San Diego, CA
Feb, 2015	Track Co-Chair, SPIE Medical Imaging Orlando, FL
Apr, 2015	Member, Program Committee, ARRS 2015 Toronto, ON
Apr, 2015	Moderator, "Right-Size Your CT Dose" session, American College of Radiology Annual Meeting Washington, DC
May, 2015	Member, eCommunity Committee, Society for Imaging Informatics in Medicine National Harbor, MD
May, 2015	Member, Content and Publications Committee, Society for Imaging Informatics in Medicine National Harbor, MD
May, 2015	Co-Chair, Open Source Plug Fest, Society for Imaging Informatics in Medicine National Harbor, MD
May, 2015	Chair, New Innovators Committee, Society for Imaging Informatics in Medicine National Harbor, MD
May, 2015	Moderator, Scientific Session, Society for Imaging Informatics in Medicine Annual Meeting National Harbor, MD
May, 2015	Member, Program Committee, SIIM 2015 National Harbor, MD
Apr, 2016	Moderator, Educational Session, Association of University Radiologists Annual Meeting San Diego, CA
Apr, 2016	Moderator, Scientific Session, American Roentgen Ray Society Annual Meeting Los Angeles, CA
Apr, 2016	Member, Program Committee, ARRS 2016 Los Angeles, CA
May, 2016	Moderator, Educational Session at ACR Annual Meeting Washington, DC

Jun, 2016	Member, Program Committee, SIIM 2016 Portland, OR
Jun, 2016	Moderator, Social Medial Roundtable, SIIM 2016 Portland, OR
Jun, 2016	Moderator, How to Develop Imaging Informatics Training Programs Roundtable, SIIM 2016 Portland, OR
Jun, 2016	Member, Content and Publications Committee, SIIM 2016 Portland, OR
Jun, 2016	Member, e-Community Committee, 2016 Portland, OR
Feb, 2017	Track Co-Chair, SPIE Medical Imaging Orlando, FL
Jun, 2017	Member, e-Community Committee, SIIM 2017 Pittsburgh, PA
Jun, 2017	Member, Program Committee, SIIM 2017 Pittsburgh, PA
Jun, 2017	Member, Content and Publications Committee, SIIM 2017 Pittsburgh, PA
Jun, 2017	Moderator, Education Roundtable, SIIM 2017 Pittsburgh, PA
Oct, 2017	Director, National Imaging Informatics Curriculum and Course <a href="http://bit.ly/informatics-NIIC">http://bit.ly/informatics-NIIC</a>
Nov, 2017	Moderator, Fast 5, RSNA 2017 Chicago, IL
Nov, 2017	Moderator, Controversy Session (The Doctor's Doctor or the Patient's Physician: Can Radiologists Simultaneously Be Both?), RSNA 2017 Chicago, IL
Nov, 2017	Moderator, Scientific Session (Health Service, Policy and Research (Economic Analyses), RSNA 2017 Chicago, IL
Jan, 2018	Director, National Imaging Informatics Curriculum and Course online
May, 2018	Moderator, Educational Session (Informatics for Health Services Research), AUR 2018 Orlando, FL
Jun, 2018	Moderator, Women in Imaging Informatics roundtable, SIIM 2018 National Harbor, MD
Jun, 2018	Member, LMS Implementation Committee, SIIM 2018 National Harbor, MD
Oct, 2018	Director, National Imaging Informatics Curriculum and Course online
Nov, 2018	Moderator, Fast 5, RSNA 2018 Chicago, IL
2018	Member, Content and Publications Committee, SIIM 2018



	National Harbor, MD
2018	Member, Program Committee, SIIM 2018
	National Harbor, MD
2018	Member, e-Community Committee, SIIM 2018
	National Harbor, MD
2018	Member, Program Committee, SPIE 2018
	Houston, TX
Jan, 2019	Director, National Imaging Informatics Curriculum and Course online
Jun, 2019	Moderator, #AskIndustry
	Capturing the Relevant Metadata for Enterprise Imaging (EI) Across Various Service Lines, SIIM 2019
	Aurora, CO
Jun, 2019	Moderator, Challenges for Career Advancement for Women in Imaging Informatics, SIIM 2019
	Aurora, CO
Jun, 2019	Moderator, Change Management in Healthcare, Pearls and Pitfalls, SIIM 2019
	Aurora, CO
Jun, 2019	Member, Content and Engagement Committee, SIIM 2019
	Aurora, CO
Sep, 2019	Director, National Imaging Informatics Curriculum and Course online
Jan, 2020	Director, National Imaging Informatics Curriculum and Course online
Oct, 2020	Co-Chair, ACR Informatics Summit 2020
	virtual
2020	Member, Technical Expert Panel, Closing the Follow-Up Loop, American College of Radiology
	online
2020	Member, RSNA Research Development Committee (RDC)
	online
2020	Member, Technical Expert Panel (TEP) for Incidental Findings, American College of Radiology
	online
Jan, 2021	Host, SIIM Ask Industry Webinar
	virtual
Jul, 2021	Chair Elect, Society for Imaging Informatics in Medicine
	NA

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- follow-up: towards development of an automated tracking and feedback system for clinical, laboratory and radiologic studies. Proc. SPIE 2010, 7628: 76280S, 2010; San Diego, CA 2010 Notes: Oral Presentation.
13. Cook TS, Boonn WW, Kim W: An algorithm for intelligent sorting of CT-related dose parameters Proc. SPIE, Orlando, FL 25(1): 179-188, Feb 2011 Notes: Oral Presentation, In Press
  14. Tustison NJ, Awate SP, Song G, Cook TS, Gee JC: Point-set registration using Havrda-Charvat-Tsallis entropy measures. IEEE Trans. Medical Imaging (TMI) 30(2): 451-460, Feb 2011.
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  18. Sundaram A, Boonn WW, Kim W, Cook TS: Implementation and Application of an Interactive, User-Friendly Validation Software for RADIANCE. SPIE, San Diego, CA Feb 2012 Notes: Oral Presentation
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  11. Cook TS, Steingall SJ, Steingall SR, Boonn WW: Establishing and Running a Three-dimensional and Advanced Imaging Laboratory RadioGraphics 38(6): 1799-1809, Oct 2018.
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3. Safwan Halabi, MD | George L. Shih, MD, MS | Carol C. Wu, MD | Luciano M. Prevedello, MD, MPH | Marc D. Kohli, MD | Tessa S. Cook, MD, PhD | Arjun Sharma, MD | Anouk Stein, MD: Methodology to Curate and Crowdsource Annotation of the ChestX-ray14 Dataset for the RSNA-STR Machine Learning Challenge: How We Did It. Radiologic Society of North America (RSNA) 2018 Notes: Poster Presentation.
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Patents:

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