

Nicholas Genes, MD, PhD, FACEP

ACADEMIC APPOINTMENTS

- 2009 – 2010: **Mount Sinai School of Medicine**, New York, NY
Clinical Instructor, Department of Emergency Medicine
- 2010 – 2015: **Mount Sinai School of Medicine**, New York, NY
Assistant Professor, Department of Emergency Medicine
- July, 2015 - Present: **Mount Sinai School of Medicine**, New York, NY
Associate Professor, Department of Emergency Medicine
Associate Professor, Department of Genetics and Genomic Sciences

HOSPITAL APPOINTMENTS

- 2010 – Present: **Mount Sinai School of Medicine**, New York, NY
Attending, Department of Emergency Medicine

EDUCATION

- 2009 –2010 **Informatics Fellow**, Department of Emergency Medicine
Mount Sinai School of Medicine, New York, NY
(mentors: Jason Shapiro, MD and Kevin Baumlín, MD)
- 2008 – 2009: **Mount Sinai School of Medicine**, New York, NY
Academic Chief Resident, Department of Emergency Medicine
- 2005-2008: **Mount Sinai School of Medicine**, New York, NY
Internship and Residency, Department of Emergency Medicine
- 1998-2005: **University of Massachusetts Medical School**, Worcester, MA
Doctor of Medicine
Doctor of Philosophy
- August, 2003: Doctoral Dissertation, “Chondrocyte Adhesion to RGD-Bonded Alginate:
Effect on Mechanotransduction and Matrix Metabolism” (mentor: Lawrence
Bonassar, PhD)
- 1993-1997: **Brown University**, Providence, RI
Bachelor of Science in Biomedical Engineering, with Honors

CERTIFICATION

- October, 2014: Board Certified in Clinical Informatics (ABPM) through Jan 31, 2025
June, 2010: Board Certified in Emergency Medicine (ABEM) through Dec 31, 2020

LICENSURE

- 2007 – present: NYS Physician License # 245719, licensed through August 31, 2016
2005 – present: ACLS, ATLS, PALS Certified Provider

HONORS/AWARDS/PATENTS

November, 2013: Awarded Ollie Randall Award, GSA SRPP Symposium
October, 2012: Named Fellow of the American College of Emergency Physicians
September, 2012: Named Fellow of Think/Write/Publish, NSF Science Journalism Program
May, 2012: Elected to Red Carpet Team at The Mount Sinai ED, New York, NY
February, 2012: Named to the Institute for Medical Education at Mount Sinai, New York, NY
May, 2011: Elected to Red Carpet Team at The Mount Sinai ED, New York, NY
December, 2010: Performance Metrics Clinician of the Year, Mount Sinai Emergency Department
May, 2009: Housestaff Excellence in Teaching Award, Mount Sinai School of Medicine
February, 2009: Awarded EMRA Faculty Development Scholarship in Las Vegas, NV
February, 2007: Elected to Red Carpet Team at The Mount Sinai ED, New York, NY

OTHER PROFESSIONAL APPOINTMENTS

August - December, 2013 NFL neurotrauma consultation specialist
July, 2013 – Present: Senior Editor, *Emergency Physicians Monthly*
July, 2013 – June 2014: Editor-at-Large, *Medscape Emergency Medicine*
June, 2013 – Present: Member, Annals of Emergency Medicine Social Media Committee
2010 – September, 2011: Inaugural Chair, SAEM Social Media Committee
2010 – Present: Member, Committee on Medical Students & Epic Implementation
2010 – 2012: Member, SAEM WEB committee
2009 – Present: Secretary, SAEM Academic Informatics Committee
2009 – Present: Member, ACEP Informatics Section
2009 – Present: Editorial Board, *Emergency Physicians Monthly*
2009: Member, Mount Sinai School of Medicine Social Media Policy Committee
2008 – Present: Department Liaison, Mount Sinai Medical Center Web Development Team
2009 – Present: Webmaster, SinaiEM.org
2008 – 2009: Academic Chief Resident, Department of Emergency Medicine
2008 – Present: Medical Records Board, Mount Sinai Hospital
2007 – Present: Editorial Board, *Emergency Medicine Practice*
2006 – 2013: Editorial Board, *Medscape Medical Students*
2006-2008: Research Editor, *Emergency Medicine Practice*
2005-2008: Columnist, *Medscape.com*
2005-2006: AAEM Communications Committee
2003-2005: Editorial Board, *Worcester Medicine*
2000-2002: Reviewer, *Tissue Engineering*

ADMINISTRATIVE LEADERSHIP APPOINTMENTS

INTERNAL:

General Administration:

- Digital Medicine Workgroup. Develop strategy and roadmap for Mount Sinai Health System initiatives to improve technological aspects of patient access and engagement.
- Project lead, Asthma Health app. Manage optimizations and enhancements to Asthma Health app, a popular iPhone application using Apple's ResearchKit framework. Work with developers, PPHS, researchers and clinicians on data collection and analysis, and participant engagement.
- eHealth Workgroup. Reviewing apps, devices and innovative health IT startups for potential partnerships and integration with Mount Sinai's clinical activities.

- Epic Emergency Department Physician Champion. Coordinate reporting and compliance initiatives while maintaining an optimized, best-in-class EHR build. Address requests and queries from ED QA, research and educational leadership. Oversee charting and billing improvement initiatives. Contribute to care improvement initiatives such as GEDI WISE, RETU, and Split Flow.
- Member, Epic Clinical Team (ECT). Interdepartmental task force headed by associate MIO Avniel Shetreat-Klein. Invest 2-6 hours per month to streamline reporting and sharing of innovations between departments.
- 2015: IT Employee Engagement Advisory Group. Representing clinical informatics in a new initiative led by Anne Naramore to improve coordination, transparency and communication among the 700 employees in Information Technology.
- 2014-2015: Telehealth Workgroup. Invest 2-4 hours per week reviewing telemedicine app vendors and clinical workflows for compatibility and alignment with Mount Sinai's telemedicine initiatives.
- 2014-2015: MSHS EMS Committee. Leading IT initiative to seamlessly integrate , pre- and post-hospital electronic charting from available EMS units into Epic encounter notes throughout the Mount Sinai network.
- 2013-2015: ICD-10 Implementation Team. Invest 4-10 hours per month to transform clinical documentation to guide compliance before the Oct 1, 2015 switchover from ICD-9. Modify IT workflows and educate providers to ensure revenue neutrality, while minimizing disruptions to ED operation.
- 2013-2014: Distance Education Oversight Committee. Invest 2-4 hours per month guiding Mount Sinai's online teaching initiatives.
- 2013-2014: Emstat Clinical Champion. Invest 2-8 hours per month guiding the harmonization of ED trackboard elements, reports, documentation templates, order sets and diagnosis codes at MS Beth Israel, MS St. Luke's and MS Roosevelt to prepare for eventual Epic ASAP Implementation across these EDs.
- 2012-2013: Emergency Department Lead, Epic ASAP implementation, Mount Sinai Hospital of Queens. Invested 10 hours per month to transform clinical care at Mount Sinai's Queens Emergency Department.
- 2012: Coronary CT ad hoc committee. Work with hospital CMIO Bruce Darrow and Cardiac Imaging Associate Director Harvey Hecht to implement a workflow for dosing medications in radiology to facilitate performance of Coronary artery CT.
- 2010-11: Junior Emergency Department Lead, Epic ASAP implementation, Mount Sinai Medical Center (Manhattan Campus). Invest 5-10 hours per month with the Epic team, working to adapt their ED information system to Mount Sinai faculty and resident clinical and research needs.
- 2011-2013. Member, Epic Clinical Decision Support Committee. Meet one hour per week with leadership from inpatient medicine and surgery teams, nursing, pharmacy and administration to determine hospital-wide electronic alerts and decision support tools to ensure patient safety, clinical excellence, benchmark attainment and guideline compliance
- 2010-2013: Member, Medical Records Committee. Meet one hour per month with hospital informaticists and administration to review hospital and departmental coding and charting compliance, and discuss plans for Epic and ICD-10 integration

- 2011: Chair, Emergency Department Dress Code Committee. Tasked with establishing guidelines for professional attire for faculty, residents, physician assistants, and students. Developed emergency scrub repository for stained garments.
- 2007: Resident Representative, House Staff Compensation Committee. Advised Dean Stimmel on postgraduate financial burdens and necessary remuneration to keep Mount Sinai competitive among applicants to New York teaching hospitals.

EXTERNAL:

- 2012-2013: Subsection manager, ACEP Informatics Sub-Section on Mobile Apps and Social Media. Work with ACEP leadership on College recommendations and priorities regarding emergency physician smartphone and tablet usage, and social network best practices.
- 2009-2012: Chair, SAEM Social Media Committee. Developed a strategy to recruit followers of SAEM’s social media accounts, growing followers from 75 to over 1500. Led efforts to cover AEM, SAEM, and Annual Meeting news and events on Facebook and Twitter. Developing guidelines for member usage of social media.
- 2009-2013: Member, NYS Chapter, HIMSS Physician Committee. Visit with other health informatics professionals in the NY area to discuss challenges and solutions to hospital-based IT and vendor relations.
- 2012: Member, Elsevier Article of the Future Task Force. Was selected from a list of over a hundred EM physicians to develop a new electronic design and prioritize the features list for Annals of Emergency Medicine articles.
- Member, HEALTHIX Evaluation Team. Propose research protocols and analyze data evaluating the impact of health information exchange on costs, quality, and adoption in participating New York City hospitals and organizations.

TRAINING RECORD

- 2014: Michael Chary, ISMMS Elective
- 2014: Ben Azan, PGY-2 Research Block
- 2014: Tru Dang, winter MIT exchange student
- 2013: Eugene Kim, PGY-2 Research Block
- 2013: Matt Rogers, 4th year ISMMS Elective
- 2013: Lovisa Wennerstrom, international visiting student research elective
- 2013: Rebecca Knutas, international visiting student research elective
- 2013: Linus Liang, Emergency Medicine Summer Research Training Program
- 2013: Julia Sun, winter MIT exchange student

GRANTS AND CONTRACT SUPPORT

List Funding Source, Project title & Number	Role in Project	Dates	Direct Costs	Supplemental Info
Comparative Effectiveness Research for Eliminating Disparities CERED (NOT-MD-10-002)	PI: Nina Bickell, PhD & Lynne Richardson, MD <i>Tasked with developing a data infrastructure for measurement of healthcare disparities, using Mount Sinai’s Data Warehouse.</i>	<i>July 1, 2010 – June, 2012</i>	<i>\$1.4 million</i>	

Improving management of acute pain for older adults in the ED setting NIA PA-09-194 (R21)	PI: Ula Hwang, MD <i>Will implement decision support tools for randomly selected ED clinicians, reminding them of patient's pain status.</i> <i>Will assist in data collection and analysis.</i>	Dates July 2012- June 2014	Direct Costs \$275,000	Supplemental Info Began May 1, 2012
Evaluation of the Impact of Health Information Exchange on Emergency Medicine 5 R00 LM009556-06 110687	Role in Project: Sinai Site Director, HIM lead PI: Jason Shapiro	July 1, 2012		
GEDI WISE CMS Innovations Grant 120129	PI: Lynne Richardson, MD Role in Project: Informatics Lead & EHR Enhancement Lead	July 1, 2012		
AHRQ R34 Sickle Cell ED Pain Protocol	Site PI: Jeffrey Glassberg, MD Role in Project: Informatics Lead	July 1, 2014		

CLINICAL TRIAL PARTICIPATION

Not participating in any clinical trials.

TEACHING ACTIVITIES

Teaching Activity	Level	Role	Number of Learners	Number of hours per week,/month/year	Years Taught
<i>Journal Club</i>	<i>Department Level</i>	<i>Director</i>	48	<i>6 hrs / month</i>	<i>2009 -- 2010</i>
<i>Journal Club</i>	<i>Department Level</i>	<i>Co-Director</i>	55	<i>6 hrs / month</i>	<i>2010 – 2011</i>
<i>Introduction to Emergency Medicine</i>	<i>Medical School</i>	<i>Teacher</i>	12	<i>2 hours / day for two weeks in August</i>	<i>2009 – 2012</i>

PUBLICATIONS

- **Genes N**, Appel J. Ethics of Physician Web Searches. *Journal of Clinical Ethics*. 2015 Spring; 26(1):68-72.
- Gutteridge DL, **Genes N**, Hwang U, Kaplan B; GEDI WISE Investigators, Shapiro JS. Enhancing a geriatric emergency department care coordination intervention using automated health information exchange-based clinical event notifications. *EGEMES (Wash DC)*. 2014 Aug 22;2(3):1095.
- Shy B, Shapiro J, Shearer P, **Genes N.**, Clesca C, Strayer R, Richardson L. A Conceptual Framework for Improved Analyses of 72-hour Return Cases. *Am J Emerg Med*. 2015 Jan; 33(1):104-7.
- Garg N, Kuperman G, Onyile A, Lowry T, **Genes N**, DiMaggio C, Richardson L, Husk G, Shapiro JS. Validating Health Information Exchange (HIE) Data For Quality Measurement Across Four Hospitals. *AMIA Annu Symp Proc*. 2014 Nov 14; 573-9.
- **Genes N**, Chary M, Chason K. Analysis of Twitter Users' Sharing of Official New York Storm Response Messages. *JMIR Medicine 2.0*. 2014 Mar 20;3(1):e1.
- Chary M, **Genes N**, McKenzie A, Manini A. Signs & Symptoms of Dextromethorphan Exposure from YouTube. *PLOS One*. 2014 Feb 12;9(2):e82452
- **Genes N**, Baumlin K, Chandra D, Ellis S. Validating Emergency Department Vital Signs using a Data Quality Engine for Data Warehouse. *Open Medical Informatics Journal*. 2013 Dec 13;7:34-9
- **Genes N**, Appel J. Ethics of Health Data Sequestration. *Cambridge Quarterly Healthcare Ethics*. 2013 Aug 6:1-8.
- **Genes N**, Chary M, Chason K. An Academic Medical Center's Response to Widespread Computer Failure. *American Journal of Disaster Medicine*. 2013 Spring;8(2):145-50
- LaCalle EJ, Rabin EJ, **Genes NG**. High-frequency users of emergency department care. *Journal of Emergency Medicine*. 2013 Jun;44(6):1167-73.
- Chary M, **Genes N**, McKenzie A, Manini A. Leveraging Social Networks for Toxicovigilance. *Journal of Medical Toxicology*. 2013 Jun;9(2):184-191.
- Farley H, Baumlin K, Cheung D, Edwards M, Fuller D, **Genes N**, Griffey R, et al. Quality and Safety Implications of Emergency Department Information Systems. *Annals of Emergency Medicine*. 2013 Oct;62(4):399-407.
- **Genes N**, Chisolm-Straker, M. Monoarticular Arthritis Update: Current Evidence for Diagnosis and Treatment in the Emergency Department. *Emerg Med Pract*: 2012. Vol 14(4) 1-23.
- Wiler J, Handel D, **Genes N**, et al. Predictors of patient length of stay in nine emergency departments. *Am J of Emerg Med*. 2012 Nov; 30(9):1860-4.
- Kim M, Shapiro J, **Genes N**, Aguilar MV, Mohrer D, Baumlin K, Beldel JL. A pilot study on usability analysis of emergency department information system by nurses. *Appl Clin Inf*. 2012. 2012 Mar 28;3(1):135-53.
- Nomura JT, **Genes N**, Bollinger HR, Bollinger M, Reed JF 3rd. Twitter use during emergency medicine conferences. *Am J Emerg Med*. 2012 Jun;30(5):819-820.

- Handel D, Pines J, **Genes N**, et al. Variations in Crowding and Ambulance Diversion in Nine Emergency Departments. *Ann Emerg Med*: 2011. Vol 18 p941-946.
- **Genes N**, Shapiro J, Vaidya S, Kuperman G. Adoption of health information exchange by emergency physicians at three urban academic medical centers. *Appl Clin Inf* 2011. Vol 2 p263–269.
- Baumlin K, **Genes N**. et al. Electronic Collaboration: Using Technology to Solve Old Problems of Quality Care. *Acad Emerg Med*: 2010. Vol 17 p1312-1321.
- Melnick E, **Genes N**, Chawla N, Akerman M, Baumlin K, Jagoda A. Knowledge translation of the American College of Emergency Physicians' clinical policy on syncope using computerized clinical decision support. *Int J Emerg Med*; 2010 Vol. 3 p97-104.
- Hermann L, Weingart S, Yoon Y, **Genes N**, Nelson B, Shearer P, Duvall W, Henzlova M. Typical angina is not predictive of the presence of inducible cardiac ischemia in emergency department chest pain patients. *Amer J Cardio*; 2010 Vol. 105 p1561-4.
- Shapiro J, Baumlin K, Chawla N, **Genes N**, Godbold J, Ye F, Richardson L. Emergency Department Information System Implementation and Process Redesign Result in Rapid and Sustained Financial Enhancement at a Large Academic Center. *Acad EmergMed*; 2010 Vol. 17 p527-35.
- Shapiro J, **Genes N**, Kuperman G, Richardson L. Health Information Exchange, Biosurveillance Efforts and Emergency Department Crowding during the Spring 2009 H1N1 Outbreak in New York City. *Ann Emerg Med*; 2010 Vol. 55 p274-9.
- **Genes, N.**, Rowley, J., Mooney, D., Bonassar, L., “Effect of Substrate Mechanics on Chondrocyte Adhesion to Modified Alginate Surfaces.” *Arch Biochem Biophys*; 2004 Vol. 422 p161-7.
- Chang, S.C., Rowley, J., Tobias, G., **Genes, N.**, Roy, A.K., Mooney, D.J., Vacanti, C.A., Bonassar, L.J., “Injection molding of chondrocyte / alginate constructs in the shape of facial implants.” *J Biomed Mater Res*; 2001 Vol. 55 p503-11
- Vandeburgh, H., Del Tatto, M., Shansky, J., Goldstein, L., Russell, K., **Genes, N.**, Chromiak, J., Yamada, S., “Attenuation of skeletal muscle wasting with recombinant human growth hormone secreted from a tissue-engineered bioartificial muscle.” *Hum Gene Ther* 1998 Vol. 9 p2555-64

OTHER PEER REVIEWED PUBLICATIONS:

- **Genes, N.** Fox, L. Current guidelines for management of Bell palsy and herpes zoster in the Emergency Department. *EM Practice Guidelines Update*: 2013. Vol 5(3) 1-9.
- Chelluri J, **Genes N**. Long QT Syndrome. In: VisualDx, Papier A (Ed), VidualDx, Rochester, NY 2013.
- **Genes N**. Pericarditis. In: VisualDx, Papier A (Ed), VidualDx, Rochester, NY 2013.
- Close M, **Genes N**. An Unusual Complication of Twiddler’s Syndrome. *J Emerg Med*; 2012. Vol 43 p55-56.
- **Genes N**, Parekh S. Bringing Journal Club to the Bedside. *J EmergMed*. 2010 Vol 39. P 504-505.
- **Genes N**, Lupow J. Hair Artifact in Chest X-Ray. *Ann Emerg Med*; 2009 Vol. 53 p545-573.

BOOK CHAPTERS

- Genes, N. Chapter: “Diabetic Ketoacidosis” and Chapter: “Travelers Diarrhea.” In: Okuda, Y. and Nelson, B.P. (eds); Emergency Medicine Oral Board Review Illustrated. New York, NY: Cambridge University Press; 2015.
- Okuda Y, Genes N. Ultraviolet Keratitis. In: Rosen P, Barkin R, Hayden S, Schaider J, Wolfe R, editors. The 5-Minute Emergency Medicine Consult, 5th Edition. Lippincott, Williams, & Wilkins; 2014.
- Genes N. Arthritis. In: Marx et al.: Rosen’s Emergency Medicine, 8th edition. Elsevier: 2013.
- Genes, N. Chapter: “Lumbar Spine Fractures.” Shah K, Egan D, Quaas J, (eds); Essential Emergency Trauma. Philadelphia, PA: Lippincott, Williams, Wilkens; 2010
- Genes, N. Chapter: “Inferior Infarct” and Chapter: “Ovarian Torsion.” In: Okuda, Y. and Nelson, B.P. (eds); Emergency Medicine Oral Board Review Illustrated. New York, NY: Cambridge University Press; 2009.

Non-Peer Reviewed Publications

- Genes N. Risky Business: Working Where Violence is the Norm. *Emergency Physicians Monthly* 2015 22(3): 1.
- Genes N. By the Numbers: Are Med-Cams Financially and Technically Feasible? *Emergency Physicians Monthly* 2015 22(3): 5.
- Genes N. So EHRs Don’t Hurt Patient Sat, or Throughput. Next? *Emergency Physicians Monthly* 2014 21(10): 19.
- Genes N. Google Glass in the Emergency Department. *Emergency Physicians Monthly* 2014 21(8): 13.
- Genes N. Doximity’s Next Trick: Connectivity at the Point of Care. *Emergency Physicians Monthly* 2014 21(7): 15.
- Genes N. #FOAMed is not essential for medical education. *Emergency Physicians Monthly* 2014 21(4): 1.
- Genes N. Ten More Clicks to Being a Savvier Clinician. Medscape.com website. <http://www.medscape.com/features/slideshow/10-clicks-2014> Updated February 27, 2014. Accessed March 1, 2014.
- Mahapatra J, Genes N. Old School, New School: The Future of Medical Education. *Emergency Physicians Monthly* 2013 20(12): 1.
- Genes N, Baumlin K. Building a framework for reporting EHR errors. *Emergency Physicians Monthly* 2013 20(10): 1.
- Genes N. Ten Clicks to Being a Savvier Clinician. Medscape.com website. <http://www.medscape.com/features/slideshow/10-clicks> Updated February 11, 2013. Accessed September 1, 2013.
- Patel R and Genes, N. Smarter Blood Typing = Decreased Length of Stay. Is RhIG mandatory in first trimester vaginal bleeding? That’s a negative. *Emergency Physicians Monthly*. 2012 19(10): 1.
- Gaglani S and Genes N. EP Social Networks: Are We There, Yet? *Emergency Physicians Monthly*. 2012. 19(5): 8.

- Genes N and Baumlin K. What Critical Data could your EHR be hiding? *Emergency Physicians Monthly*. 2012 19(4): 1.
- Genes N. Glatter R, Mattu A. Important Emergency Medicine Research: 2011. Medscape.com website. <http://www.medscape.com/viewarticle/753872>. Updated November 23, 2011. Accessed November 23, 2011.
- Genes N and Baumlin K. Potentials and Perils of EHR Metadata. *Emergency Physicians Monthly*. 2011 18(12): 1.
- Genes N. RIP, Google Health: The Future of PHRs. *Emergency Physicians Monthly*. 2011 18(8): 3.
- Genes N. How Twitter Can Reshape Emergency Responses. Medscape.com website. 9/08/11. <http://www.medscape.com/viewarticle/749183>. Updated September 8, 2011. Accessed November 15, 2011.
- Genes N. Redefining EMR Usability. *Emergency Physicians Monthly*. 2011 18(7): 5.
- Genes N. Getting Social. How social media can change the public face of emergency medicine. *Emergency Physicians Monthly*. 2011 18(6): 6.
- Genes N. When Charts Cry Wolf. *Emergency Physicians Monthly*. 2011 18(3): 16.
- Plaster M, Bukata R, Janiak B, Genes N. The EMR Roundtable. *Emergency Physicians Monthly*. 2011 18(2): 13.
- Genes, N. Meaningful Use: A Really Good Kick in the Pants. An Interview with Maimonides CMIO (and emergency physician) Steven Davidson. *Emergency Physicians Monthly*. 2011 18(2): 11.
- Genes, N. MU and you: A primer on meaningful use of electronic health records, and what it will mean for emergency medicine. *Emergency Physicians Monthly*. 2010 17(12): 11.
- Genes, N. Tech-Forward Approaches to Keeping Current. *Emergency Physicians Monthly*. 2010 17(6): 13.
- Genes, N. How the iPad Can Change Emergency Medicine. *Emergency Physicians Monthly*. 2010 17(4): 1.
- Genes N, Baumlin K. Electronic Medical Records: State of the Art or Digital Disaster? The Mount Sinai Experience. *Emergency Physicians Monthly*. 2009 16(4): 15.
- Genes N. Paracentesis. The 2009 Lifelong Learning And Self-Assessment Study Guide. 2009. *Emergency Medicine Practice*. EBMedicine, Atlanta, GA.
- Genes, N. The Portable CO-Oximeter: Unsung Triage Workhorse. *Emergency Physician's Monthly*. 2009; 16(8): 19.
- Genes, N. New York EPs Consider H1N1 Vaccine Mandate. *Emergency Physician's Monthly* website. http://www.epmonthly.com/index.php?option=com_content&task=view&id=576&Itemid=15. Updated October 8, 2009. Accessed December 2, 2009.
- Genes, N. The ACEP Interviews: Nicholas Genes. *Emergency Physician's Monthly* website. http://www.epmonthly.com/index.php?option=com_content&task=view&id=611&Itemid=28. Updated November 12, 2009. Accessed December 2, 2009.

Select Interviews & Excerpted Works

- Brooks, D. "Mount Sinai leverages smartphone technology, aiming to boost care, coordination of ED patients while also trimming costs." *ED Management*. May 2015: 27(5) p53-56.
- Lin, M. "I am Dr. Nicholas Genes, Pioneer in Social Media and Clinical Informatics: How I Work Smarter." *Academic Life in Emergency Medicine*. Retrieved at <http://www.aliem.com/nicholas-genes-how-i-work-smarter/> on Jan 11, 2015.
- Tahir, D. "Beyond the hype, what's the evidence for digital health's benefits?" *Modern Healthcare*. August 6, 2014.
- Tahir, D. "When it comes to clinical-decision software, what does autonomy mean?" *Modern Healthcare*. June 7, 2014.
- *The Smartphone Physical*. Dir. Nam Cho. Korean Broadcasting System, 2013. Documentary.
- Wise, L. "Medical apps: Helping you get healthy or helping themselves to your personal data?" *MedCity News*. August 28, 2013.
- Wise, L. "Medical apps: Helping you get healthy or helping themselves to your personal data?" *MedCity News*. August 28, 2013.
- Weintraub A. "FDA steps up oversight on medical apps." *Entrepreneur*. June 12, 2013.
- Neergaard, L. "Physical by smartphone becoming a real possibility." *Associated Press*. May 2, 2013.
- Pho, K and Gay, S. *Establishing, Managing and Protecting Your Online Reputation: A Social Media Guide for Physicians and Medical Practices*. New York: Greenbranch Press, 2013.
- Batchelor, J. "UPMC Highlights Success of Its Night Attending Program for Radiology Reads." *Medscape*. Sep 12, 2012.
- Sady, B and Schmolz, M. "Ten Economic Motivators for Patient-Centric Diagnostics." *IVD Technology*. November 2012. 18(6) p25-28.
- Greg Henry v. Nick Genes. A video debate on the benefits of electronic medical records for Emergency Medicine. <http://www.epmonthly.com/features/current-features/greg-henry-v-nick-genes-at-acep-2012-video/>
- Ogilvy Washington, 2010. "Using Social Media Platforms to Amplify Public Health Messages." [White paper] retrieved at http://smexchange.ogilvypr.com/wp-content/uploads/2010/11/OW_SM_WhitePaper.pdf on December 1, 2010
- Edelman, 2010. *The Digital Reset: Communicating in an Era of Engagement*. [White paper] Retrieved at http://www.newmediaacademicsummit.com/documents/NMAS_whitepaper_2010.pdf on December 1, 2010
- Berger, E. iPad: Gadget or Medical Godsend? *Ann EmergMed*; 2010 Vol. 56 p 21A.
- Berger, E. Emergency Medicine in the Blogosphere: The Irreverent Wit of the Specialty's Unofficial Voice. *Ann Emerg Med*; 2007 Vol. 49 p 612-614.
- Painter, K. "Paging Dr. Blog: Online Discourse Raises Questions." *USA Today*, 14 May, 2007.
- Walsh, B. *Clear Blogging: How People Blogging Are Changing the World and How You Can Join Them*. New York: Apress, 2007.

- Chin, T. "Bloggers' Grand Rounds." American Medical News, 15 January 2007. 50(2) p16-17.

ABSTRACTS: See Addendum

LECTURES/PRESENTATIONS (local, regional, national, international)

- June 18, 2015: "Medical Apps to Stay Sharp on Shift" Ponte Vedra, FL: National audience: Approximately 75 Emergency Medicine physicians.
- June 1, 2015: "Using Social Media to Advance Your Medical Career." Annapolis Medical Writer's Workshop, Annapolis MD: National audience, approximately 25 Emergency Medicine physicians.
- May 15, 2015: "Conducting EM Research using Social Media Tools: Applications for Disease Surveillance and Community Engagement." SAEM Annual Meeting, San Diego CA: National audience, approximately 50 Emergency Medicine researchers.
- May 13, 2015: "From Clicks and Complaints to a Curriculum: Integrating an Essential Informatics Education." SAEM Annual Meeting, San Diego CA: National audience, approximately 25 Emergency Medicine researchers.
- May 12, 2015: "Special Session: Social Media Bootcamp: Using Social Media to Enhance Education" SAEM Annual Meeting, San Diego CA: National audience, approximately 25 Emergency Medicine researchers.
- May 5, 2015: "The Patient Experience Re-imagined." New York City Health Business Leaders, New York, NY. Local audience, approximately 100 physicians and hospital administrators.
- March 4, 2015: "Medical Apps: Today and Tomorrow" All NYC EM Conference, New York, NY: Regional audience, approximately 700 Emergency Medicine physician trainees.
- February 19, 2015: "Social Media for Emergency Preparedness and Disaster Response." Levy Library Lunch & Learn Series, New York, NY: Local audience.
- November 14, 2014: "Twitter Discussions of Nonmedical Prescription Drug Use Correlate with Federal Survey Data." Medicine 2.0 Word Congress, Maui HI: International audience: Approximately 50 public health researchers.
- October 22, 2014: "Electronic Medical Records, mHealth and the future of Emergency Medicine." Grand Rounds, Mount Sinai Beth Israel Emergency Medicine Conference, New York, NY: Local audience: Approximately 50 Emergency Medicine physicians.
- June 14, 2014: "Liver Emergencies." Ponte Vedra, FL: National audience: Approximately 75 Emergency Medicine physicians.
- May 21, 2014: "Social Media Applications for Emergency Medicine." NYC Department of Health and Mental Hygiene. Local audience: Approximately 25 DOH staff and leaders.
- May 17, 2014: "Emergency Informatics Research: Interesting, Approachable Projects for Residents or the Career Scientist." SAEM Annual Meeting, Dallas TX: National audience: Approximately 75 Emergency Medicine physicians.
- May 15, 2014: "From Twitter to Tenure: Use of Social Media to Advance Your Academic Career." SAEM Annual Meeting, Dallas TX: National audience: Approximately 150 Emergency Medicine physicians.

- November 22, 2013: “Social media for Emergency Medicine applications.” NSF Integrative Graduate Education and Research Traineeship (IGERT) lecture, Columbia University. New York, NY: Local audience of approximately 25 graduate students in bioinformatics.
- November 21, 2013. “GEDI WISE: A CMS Health Care Innovation Award Program to Improve Geriatric ED Care.” Geriatric Society of America. New Orleans, LA. National audience.
- November 15, 2013. “Mount Sinai’s GEDI WISE CMS Innovation Award: Leveraging Healthix Data for Care Coordination of Older adults in the ED.” Digital Health Conference, New York eHealth Collaborative, New York, NY. Regional audience: Approximately 200 physicians and IT personnel.
- October 24, 2013. “Social Media in Medical Education.” Mount Sinai Academic Computing Lunch & Learn series. Local audience: Approximately 30 physicians and IT personnel.
- October 14, 2013. “Mobile Apps for Clinical Exam and Risk Stratification.” ACEP Learning Lounge. ACEP Scientific Assembly, Seattle WA. National audience: Approximately 100 Emergency Medicine physicians.
- September 23, 2013. “Analysis of Twitter Users’ Sharing of Official New York Preparedness Messages During Recent Storms.” Medicine 2.0 World Congress, London, UK. International audience.
- September 24, 2013. “An Analysis of YouTube Comments on Drug Health Effects.” Medicine 2.0 World Congress, London, UK: International audience.
- July 24, 2013: “FOAMing at the Mouth: A critique of online medical education.” Sheldon Jacobson Memorial Conference, Mount Sinai Emergency Medicine. New York, NY: Local audience: Approximately 100 Emergency Medicine physicians.
- June 24, 2013: “Stroke and the Chain of Survival.” ACLS Lecture Series, Mount Sinai. Local audience: Approximately 500 resident physicians.
- June 21, 2013: “Hot News for Hot Joints: Updates in the diagnosis and management of arthritis in the ED.” Clinical Decision Making in Emergency Medicine. Ponte Vedra, FL: National audience: Approximately 75 Emergency Medicine physicians.
- May 17, 2013: “GEDI WISE: Improvement in Patient Satisfaction After Implementation of a Geriatric Emergency Department.” SAEM Annual Meeting, Atlanta GA: National audience: Approximately 50 Emergency Medicine physicians.
- October 18, 2012. “Innovations for ED Throughput, Research, and Patient Safety, Through Information Technology.” Annual Mount Sinai IT Town Hall, New York, NY: Local audience: Approximately 200 IT personnel.
- October 10, 2012. “Smartphone and Tablet Apps for EM Physicians Diagnosis and Reference, On Shift.” ACEP’s Innovation Station. National audience: Approximately 30 emergency physicians.
- September 29, 2012. “Hot EKGs – Don’t Get Burned.” Annual NYC PA EM Conference, New York, NY. Local audience: Approximately 30 physician assistants.
- September 16, 2012. “Emergency Medicine 2.0: Cutting-Edge Applications of Technology to Improve Public Health.” Medicine 2.0 World Congress, Boston, MA. International audience: Approximately 75 physicians and researchers.
- September 13, 2012. “Won’t Get Fooled Again: Innovative ED Reporting and Reminders.” Epic User’s Group Meeting, National audience: Approximately 300 emergency physicians and health IT administrators. Rated 4.65 / 5.

- July 26, 2012. "What's Your Specialty?" National Youth Leadership Forum on Medicine, St. John's University, Queens. Regional audience of approximately 300 high school students interested in medical careers.
- July 18, 2012. "Social Media Professionalism for Emergency Medicine Residents." Mount Sinai EM Residency Conference, New York, NY: Local audience: Approximately 20 EM residents.
- July 11, 2012. "Introduction to Emergency Medicine Informatics." Mount Sinai EM Residency Conference, New York, NY: Local audience: Approximately 50 EM residents.
- May 9, 2012. "Social Media Professionalism for the Academic Emergency Physician." SAEM Annual Meeting, Chicago, IL. National audience: Approximately 150 emergency physicians. Rated 4.74 / 5.
- April 24, 2012. "Innovative ED Reporting and Realtime Decision Support." Epic Physician's Advisory Council. National Audience: Approximately 200 emergency physicians and health IT administrators. Rated 4.62 / 5.
- April 23, 2012. "Optimization Requests and Post-Live Blogging." Epic Physician's Advisory Council. National Audience: Approximately 200 emergency physicians & health IT administrators. Rated 4.73 / 5.
- November 4, 2011. "Innovations in Social Networks for Emergency Medicine." BlogWorldExpo, Los Angeles, CA International audience: Approximately 50 healthcare professionals and new media developers.
- July 20, 2011. "Meaningful Use, Social Networks, and Discussing Emergency Care Online." Beth Israel Medical Center, New York, NY. Local audience: Approximately 50 emergency physicians.
- July 20, 2011. "Emergency Management of Patients with Pacemakers and ICDs." Beth Israel Medical Center, New York, NY. Local audience: Approximately 50 emergency physicians.
- June 24, 2011: "Meaningful Use, Social Networks, and Discussing Emergency Care Online." Ponte Vedra, FL National audience: Approximately 75 emergency physicians.
- June 2, 2011. "SAEM Didactic Session: Advancing Education and Research Collaboration in Cyberspace." Boston, MA. National audience: Approximately 100 academic emergency physicians.
- March 30, 2011. "What Convergence Looks Like: Health Information Systems & Social Networks." New York, NY. Local audience: Approximately 100 physicians and hospital administrators.
- January 26, 2011. "Emergency Management of Patients with Pacemakers and ICDs." Mount Sinai EM Residency Conference, New York, NY. Local audience: Approximately 50 emergency physicians.
- October 27, 2010. "Using Electronic Resources to Enhance your Clinical Practice." Stony Brook Medical Center, NY. Local audience: Approximately 50 emergency physicians.
- October 27, 2010. "Emergency Management of Patients with Pacemakers and ICDs." Stony Brook Medical Center, NY. Local audience: Approximately 50 emergency physicians.
- June 24, 2010. "Transparency in Social Media: The Physician's Perspective." NYU & Edelman, Inc. New Media Academic Summit, Vanderbilt Hall, New York, NY. National audience: Approximately 100 media professionals and communications faculty.
- November 20, 2009. "Career Options for the Physician Scientist." New York Physician Scientists Symposium, New York, NY. Regional audience: Approximately 25 medical students from Northeast US medical schools.

- October 14, 2009. “Using a Health Information Exchange to Measure H1N1 Impact in NYC EDs.” Mount Sinai EM Residency Conference, New York, NY. Local audience: Approximately 50 emergency physicians.
- October 15, 2009. “The History and Significance of Medical Blogging.” BlogWorldExpo, Las Vegas, NV. International audience: Approximately 50 healthcare professionals and new media developers.
- October 7, 2009. “Can Web 2.0 Improve This Lecture?” ACEP 2009 Scientific Assembly New Speaker’s Forum, Boston, MA. National audience: Approximately 25 emergency physicians.
- September 12, 2009. “A Systematic Approach to Emergency Medicine EKG Interpretation.” New York City PA Conference. Regional audience: Approximately 50 Metropolitan-Area Physician Assistants.
- November, 2008: 2nd Annual New York Physician Scientists Symposium, New York, NY. “Balancing Research and Residency.” Regional audience: Approximately 25 medical students from Northeast US medical schools.
- April, 2008: Mount Sinai Emergency Department Academic Retreat, Wave Hill, NY. “The Resident’s Perspective on Overcrowding.” Local audience: Approximately 50 residents and faculty from Mount Sinai’s Emergency Department.
- April, 2007: Annual UMass MD/PhD Retreat, Worcester, MA. “Applying your Research Skills in Residency.” Regional audience: Approximately 50 medical students from Northeast US medical schools.
- September, 2002: Cell Adhesion And Motility Seminar Series, Nottingham, UK. “The Effect of Substrate Stiffness on Chondrocyte Adhesion to RGD-Alginate.” International audience: Approximately 50 graduate students studying cell motility and adhesion.
- February, 2002: Orthopedic Research Society, Dallas, TX. “Regulation of Chondrocyte Adhesion to Modified Alginate Surfaces.” National audience: Approximately 500 researchers in bone and cartilage biomechanics.
- March, 2000: Orthopedic Research Society, Orlando, FL. “Culture of Chondrocytes in RGD-Bonded Alginate: Effects of Mechanical and Biosynthetic Properties.” National audience: Approximately 500 researchers in bone and cartilage biomechanics.

MEDIA RESOURCE EDUCATIONAL MATERIALS

- 2013-2015: Webmaster, tox.SinaiEM.org. Clearinghouse of resources, methods and results for Mount Sinai’s Twitter Toxicology Project.
- 2012: SAEM Social Media Committee Video: <http://vimeopro.com/aem/saem12/video/40620357>. A video discussing the role of the social media committee, featuring four members previewing their presentations at the 2012 Annual Meeting of SAEM in Chicago, IL.
- 2008-2014: Webmaster, www.SinaiEM.org. Process & upload Emergency Medicine Grand Rounds and Journal Club lecture content from weekly conference to the site, making it accessible to the EM residency. Assist the academic chief resident with coding issues.
- 2010-2014: Webmaster, Epic.SinaiEM.org. A weblog of tips, suggestions and changes to Epic ASAP, to aid the emergency department through the go-live and immediate post-implementation period.
- 2012: Emergency Medicine Practice Mobile PDF. Worked with EBMedicine publisher to develop a collection of figures and evidence-based EM decision trees, with hyperlink navigation, optimized for viewing on a tablet computer.

Addendum: Recent Accepted Notable Abstracts:

- **Genes N**, Shapiro J et al. “Notifications about Geriatric ED Visits via Health Information Exchange is Feasible and May Reduce Admissions.” SAEM Annual Meeting: May 16, 2014; Dallas, TX.
- Kim E, **Genes N**, Coupet M. Effect of Mandatory Prescription Drug Monitoring Program on Emergency Department Prescribing of Scheduled Drugs. ACEP Scientific Assembly: Oct 28, 2014; Chicago, IL.
- Garg N, **Genes N**, “Understanding an Emergency Department’s Radiology Throughput using Big Data methods and analysis.” SAEM Annual Meeting: May 16, 2014; Dallas, TX.
- **Genes N**, Chary M. Tracking Illicit Drug Usage Through Twitter. NY Academy of Medicine’s 7th Annual Machine Learning Symposium: October 19, 2012; New York, NY.
- **Genes N**, Patel, R. ED Impact of Rh Factor Testing in Patients with First Trimester Vaginal Bleeding. SAEM Annual Meeting: May 9, 2012; Chicago, IL.
- Onyile A, Shapiro J, **Genes N**, Kuperman G. Patient Crossover Rates Vary by Disease in a Health Information Exchange. American College of Emergency Physicians Scientific Assembly; October 16, 2011; San Francisco, CA.
- **Genes N**, Handel D., et al. Predictors of Ambulance Diversion in Nine Emergency Departments. Society of Academic Emergency Medicine Annual Meeting; June 4, 2011; Boston, MA .
- **Genes N**, Shapiro J. Health Information Exchange Consent Policy Influences Emergency Department Patient Data Accessibility. American College of Emergency Physicians Scientific Assembly; September 29, 2010; Las Vegas, NV.
- Handel, D, Pines J, **Genes, N**. et al. Variations in Crowding and Ambulance Diversion. American College of Emergency Physicians Scientific Assembly; September 29, 2010; Las Vegas, NV.
- Kim, M, Mohrer, D, Shairpo, J, Aguilar, V, **Genes, N**, Baumlin, K, Elkin, P. Scenario-based usability evaluation of Emergency Department Information System by clinical roles and experience levels. American College of Emergency Physicians Scientific Assembly; September 29, 2010; Las Vegas, NV.
- Papa, A, **Genes, N**, Shapiro, J, Kuperman, G. Impact and Perceived Value of Clinician Training on Health Information Exchange Adoption. American College of Emergency Physicians Scientific Assembly; September 29, 2010; Las Vegas, NV.
- Carson C, **Genes N**, Shearer P. Charge Awareness Among Emergency Medicine Physicians Influences Diagnostic Testing Orders. Society of Academic Emergency Medicine Annual Meeting; June 4, 2010; Phoenix, AZ.
- **Genes N**, Shapiro J. Two Troponins: Defining and Characterizing a Resource-Intensive Cohort Using a Clinical Datamart. American College of Emergency Physicians Scientific Assembly; October 6, 2009; Boston, MA.
- Azan B, **Genes N**, Baumlin K. A Cross Institutional Survey Examining Satisfaction with Paper and Electronic Medical Records Among Emergency Department Health Professionals. Society of Academic Emergency Medicine Western Affiliates Meeting; March, 2010.