

CURRICULUM VITAE

MARIA ADELA GRANDO, PhD, MCS, FAMIA, FACMI
Professor, Tenured & Director Research Education
Arizona State University, College of Health Solutions, Biomedical Informatics
Co-founder and Chief Scientific Officer
ComplyLight www.complylight.com
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AREAS OF SCIENTIFIC EXPERTISE

Clinical informatics, with a focus on:

- Consumer health informatics
- Patient-centered decision support system
- Human-centered AI

EDUCATION

- 2009** **Ph.D. in Formal Languages and Applications**
Rovira i Virgili University, Spain
- Thesis: 'Contributions of Formal Language Theory to the Study of Dialogues'
Excellent with honors' cum laude'
- 2003** **Master in Computer Science**
Universidad Nacional de Río Cuarto, Argentina
- Thesis: 'Extending the Unified Modeling Language Activity Graph Metamodel based on the Workflow Metamodel'
Best Student Award
- 2001** **Bachelor in Computer Science**
Universidad Nacional de Río Cuarto, Argentina

EMPLOYMENT POSITIONS

- 2025-present** Co-founded and Chief Scientific Officer
ComplyLight
- 2025-present** **Professor, tenured**
Biomedical Informatics, College of Health Solutions
Arizona State University, Arizona
Research 60%, teaching 20%, service 10% and administration 10%
- 2025- present** **Founder and Chief Scientific Office**
ComplyLight www.complylight.com
- 2022-present** **Director of Research Education**
College of Health Solutions
Arizona State University, Arizona
- 2020-2025** **Associate Professor, tenured**
Biomedical Informatics, College of Health Solutions
Arizona State University, Arizona
- 2016-present** **Faculty**
Barrett, the Honors College

- Arizona State University, Arizona
- 2014-present** **Adjunct Assistant Clinical Professor of Medicine**
Mayo Clinic College of Medicine
- 2021-2024** **Informatics Lead, Core Faculty**
Clinical Informatics Fellowship, HonorHealth, Arizona
- 2013-2020** **Assistant Professor, tenured track**
Biomedical Informatics, College of Health Solutions
Arizona State University, Arizona
- 2011-2013** **Postdoctoral researcher**
Division of Biomedical Informatics
University of California, San Diego, California
Mentored by Lucila Ohno-Machado, MD, PhD. and Aziz Boxwala, MD, PhD
- 2009-2011** **Postdoctoral researcher**
COSSAC project, U.K. Cancer Research
University of Oxford, Edinburgh University, and University College London
Mentored by John Fox, PhD. and David Glasspool, PhD
- 2008-2009** **Research Associate**
COSSAC project, U.K. Cancer Research
University of Oxford, Edinburgh University, and University College London
Mentored by John Fox, PhD. and David Glasspool, PhD
- 1998-2003** **Lecturer**
Universidad Nacional de Rio Cuarto, Computer Science

PUBLICATIONS

- Autor type: ‡ indicates the post-doc or clinical informatics fellow authors, underlined names correspond to graduate co-authors, *names in italics correspond to undergraduate co-authors*

Books

1. **M. A. Grando**, R. Rozemblum, D. Bates editors (2015): *Information Technologies for Patient Empowerment in Healthcare*, Walter de Gruyter, March 2015, ISBN-10: 1614515921.

Journal papers

1. R. R. Alifia, M. Amith, J. Zheng, F. Manion, Y. He, **M. A. Grando** (2026) Transforming Consent Language into Computable Permissions for Cross-Repository Biobank Discovery Using the Informed Consent Ontology. *JAMIA Open*. Under Review.
2. R. A. Cooper, ‡M. Wei, M. Kaiser, K. Caine, D. J. Chavez, J. Coughlin, K. Davison, H. K. Galvin, S. Lane, A. Laws, C. U. Lehmann, P. Lossy, M. D. Moen, S. T. Rosenbloom, J. Seitz, M. Sharko, J. Skapik, R. Uy, L. Weaver, **M. A. Grando** (2026) Designing Granular Consent Tools for Sensitive Health Data: Challenges, User Needs, and Stakeholder Guidance. *Applied Clinical Informatics*. Under Review.
3. R. Foraker, **M. A. Grando**, G. L. Alexander, K. Cato, H. Kharrazi, P. Embi, M. E. Matheny, P. R.O. Payne (2026) Charting the future of ACMI: a report from the 2025 ACMI symposium. *JAMIA*. Under Review.
4. ‡M. Wei, A. Murcko, P. Bayless, P. Lee, **M. A. Grando** (2025) Improving Data Segmentation Accuracy Through Clinician-Informed Contextual Reasoning. *Applied Clinical Informatics*. Under Review.

5. M. Kaiser, M. Wei, S. P. Nookala, R. Cooper, D. Ariosto, C. Adams, **M. A. Grando**, M. Sadeghi, A. C. Murcko (2025) Beyond Fax: Provider Perspectives on Data Sharing in Substance Use Disorder Care. *JAMIA Open*. ACCEPTED with revisions.
6. P. Lee, A. S. Dhadwal, M. Kaiser, S. Dianaty, E. Lott, G. Singh, D. Chern, J. A. Walonoski, **M. A. Grando** (2025) Assessing the effectiveness and scalability of FHIR-based granular data segmentation technology. *Applied Clinical Informatics*. ACCEPTED with minor revisions
7. H. J. Kaufman, I. Banerjee, ‡M. Wei, S. Siddiqui, A. Murcko, M. Todd, M. A. Londoño-Echeverri, S. K. Nagarajan, E. Moreno, P. Radhakrishnan, P. F. Fuquen, A. Perumbeti, R. Kirchoff, J. Rosas, R. El-Kareh, F. S. Vargas-Cely, J. Johnson, F. Chang, S. Ali, D. Lee, W. Predun, S. Lane, C. Norquist, M. A. Lutgendorf, S. J. Kressly, C. Eldredge, S. Jindani, E. Lott, D. A. Martinez, B. Abbott, M. Morris, **M. A. Grando** (2025) Ethically Informed Automated Granular Data Segmentation: Contextual Influences on Physician Classification of Sensitive Health Information. *BMC Medical Ethics, Ethical Issues Around Patient Confidentiality*. ACCEPTED with revisions.
8. R. R. Alifa, M. Sadeghi, M. Eluru, M. Jafari, **M. A. Grando** (2025). Bridging Ethical Gaps in Digital Health Research: A Framework for Informed Consent Aligned with NIH Guidance. *BMC Medical Ethics* 26, 132.
9. ‡M. Wei, P. H. Kulinna, B. Truong, **A. Grando**, A. Poulos (2025) Student's Willingness to Intervene in Bullying within Afterschool Programs. *Journal of School Health*.
10. H. K. Galvin, J. Coughlin, M. Sharko, **M. A. Grando**, M. Jafari, S. Mack, A. English, C. Petersen (2025) Patient-Driven Sharing of Health Information: A National Effort to Advance Equitable Interoperability *Applied Clinical Informatics*. 2025 Aug;16(4):951-960.
11. ‡M. Wei, M. Todd, A. N. C. Campbell D. Chern, E. Lott, M. Whitfield, N. Stavros, E. Greenberg, **M. A. Grando** (2025) Balancing Privacy, Trust, and Equity: Patient Perspectives on Substance Use Disorder Data Sharing. *International Journal of Environmental Research and Public Health*. Special issue: Substance Use Research Methods: Ethics, Culture, and Health Equity 2025, 22(4), 617.
12. ‡M. Wei, A. Murcko, S. P. Nookala, D. T. Bhattu, S. J. Vemula, D. Chern, E. Lott, M. Whitfield, N. Stavros, D. Ariosto, **M. A. Grando** (2025) Advancing Health Equity Through Substance Use Medical Record Data Sharing: Insights from Healthcare Providers. *International Journal of Environmental Research and Public Health*. Special issue: Substance Use Research Methods: Ethics, Culture, and Health Equity 2025, 22(4), 462.
13. D. Mendoza, I. Amanda, L. Zhao, D. Chern, **M. A. Grando** (2025) Ingredient-based, Reusable Method to Create Opioid and Antidepressant Medication Code Sets. *Health Informatics Journal* 2025 Jan-Mar;31(1):14604582251316781. doi: 10.1177/14604582251316781.
14. O. E. Goal, I. Amanda, C. Adams, **M. A. Grando** (2024) A Scoping Review of Healthcare Effectiveness Data and Information (HEDIS) Substance Use Disorder Measures. *Annals of Medicine*. 2025 Dec;57(1):2447413.doi: 10.1080/07853890.2024.2447413. Epub 2025 Jan 2.
15. P. Lee, D. Mendoza, M. Kaiser, E. Lott, G. Singh, **M.A. Grando** (2024) FHIR Granular Sensitive Data Segmentation. *Applied Clinical Informatics Journal*; 16:156–166.
16. P. Buono, N. Berthouze, M. F. Costabile, **M.A. Grando**, A. Holzinger (2024) Special issue on Human-Centered Artificial Intelligence for One Health. *Artificial Intelligence in Medicine*, Volume 156, October 2024, 102946.
17. K. S. Williams, V. Hui, M. Ross, D. J. Zamanzadeh, V. Nguyen, Z. A. Khan, W. W. Chapman, K. You, A. Murcko, L. Warsame, W. M. Ingram, T. Harman, **M. A. Grando** (2024) Empowering Diversity: Striving for Inclusivity by Leveraging the American Medical Informatics Association's "For Your Informatics" Podcast. *JAMIA Open*, Volume 7, Issue 3, October 2024.

18. A. Voronov, M. Jafari, L. Zhao‡, Q. Hong, J. Pope, D. Chern, M. Lipman, M. Soliz, **M. A. Grando** (2024) Pediatric Consent on FHIR. *Applied Clinical Informatics*. 2024 Mar;15(2):342-356. doi: 10.1055/a-2291-1482. Epub 2024 Mar 20.
19. I. Amanda, S. Graffin, **M. A. Grando** (2024) Scoping Review of Data Privacy Risks in COVID-19 Apps with Digital Vaccination Certifications. *Digital Health*. 2024 Jan-Dec; 10: 20552076241239171.
20. M. Eluru, D. Mendoza, A. Wong, M. Jafari, P. Bayless, D. Chern, C. Eldredge, R. Fonseca, P. Franco-Fuquen, J. E. Garcia-Robledo, B. G. Gifford‡, R. Hans, E. F. Moreno-Cortes, A. Perumbeti, F. S. Vargas-Cely, L. ‡, **M. A. Grando** (2023). Physicians' Perspectives on HL7 Information Policy Sensitive Value Sets: A Validation Study through Health Concept Categorization. *Healthcare*. 2023 Nov; 11(21): 2845. PMC10647660.
21. I. Banerjee, K. Syed, A. Potturu, V. S. V. S. Pragada, R. S. Sharma, A. Murcko, D. Chern, M. Todd, P. Aking, A. Al-Yaqoobi, P. Bayless, W. Belmonte, T. Cuadra, T. Dockings, C. Elderedge, R. El-Kareh, G. Gale, E. Gentile, E. Kalpas‡, M. Morris, L. Mueller, D. Piekut, M. Ross, J. Sarris, G. Singh, S. Tharani, M. Wallace, **M. A. Grando** (2023) Physicians Differ in their Perceptions of Sensitive Medial Records: Survey and Interview Study. *Health Informatics Journal*. Volume 29, Issue 3. July-September 2023.
22. G. Karway, J. Ivanova, T. Kaing, M. Todd, D. Chern, A. Murcko, K. Syed, M. Garcia Reyes, H. Dyer, M. Franczak, MJ. Whitfield, **M. A. Grando** (2022) My Data Choices: Pilot Evaluation of Patient-Controlled Medical Record Sharing Technology. *Health Informatics Journal* 2022 Oct-Dec;28(4):14604582221143893. Available online at <https://journals.sagepub.com/doi/10.1177/14604582221143893>.
23. J. Ivanova, M. Saks, G. Karway, A. Murcko, C. Espino, C. Millea, M. Soliz, **M. A. Grando** (2022) Perceptions and Concerns of Substance Use Disorder Treatment Organizations on the CARES Act Alterations to Patient Confidentiality Regulations. *AHIMA Perspectives in Health Information Management*, Volume 19, Issue 2.
24. J. Ivanova, T. Tang, M. Idouraine, A. Murcko, M. J. Whitfield, C. Dye, D. Chern, **M. A. Grando** (2022) Behavioral Health Professionals' Perceptions on Patient-Controlled Granular Information Sharing (Part 1): Focus Group Study. *JMIR Mental Health*, Volume 9, Number 4.
25. J. Ivanova, T. Tang, M. Idouraine, A. Murcko, M. J. Whitfield, C. Dye, D. Chern, **M. A. Grando** (2022) Behavioral Health Professionals' Perceptions on Patient-Controlled Granular Information Sharing (Part 2): Focus Group Study. *JMIR Mental Health*, Volume 9, Number 4.
26. **M. A. Grando**, J. Ancker, D. Tao, R. Howe, C. Coonan, M. Johns, W. Chapman (2021) Design and Evaluation of a Women Informatics Leadership Development Program. *Journal of the American Medical Informatics Association*. Volume 29, Issue 1, January 2022, 163-170. **Selected for the 2022 Informatics Year in Review, American Medical Informatics Association's Annual Symposium.**
27. **M. A. Grando**, E. Coiera, D. Glasspool, J.C. Wyatt, M. Peleg (2021) In Memoriam. Safe, Sound and Profound: A Tribute to Prof. John Fox, Ph.D., FACMI, FIAHSI (1948-2021). *Journal of Biomedical Informatics*. Volume 123, November 2021, 10393.3.
28. S. Li, **M. A. Grando**, A. Sarker (2021) Data-driven iterative approach for automatically assessing the correctness of medication value sets: proof of concept based on opioids. *Methods Inf. Med*. 2021 Dec;60(S 02):e111-e119. DOI: 10.1055/s-0041-1740358.Epub 2021 Dec 29.
29. G. Karway, J. Ivanova, A. Bhowmik, A. Murcko, M. Saks, D. McCarty, A. Campbell, **M. A. Grando** (2021) Recommendations to inform substance use disorder data sharing research: scoping review and thematic analysis. *Journal of Addiction Medicine*. 2022 May-Jun;16(3):261-271.
30. H. Soni, J. Ivanova, **M. A. Grando***, A. Murcko, D. Chern, C. Dye, M. J. Whitfield (2021) A Pilot Comparison of Medical Records Sensitivity Perspectives of Patients with Behavioral Health

- Conditions and Healthcare Providers. *Health Informatics Journal*. Apr-Jun 2021; 27(2):14604582211009925.
31. **M. A. Grando**, V. Vellore, B. J. Duncan, D. R. Kaufman, S. K. Furniss, B. N. Doebbeling, K. A. Poterack, T. Miksch, R. A. Helmers (2020) Study of EHR-Mediated Workflows Using Ethnography and Process Mining Methods. *Health Informatics Journal*. Apr-Jun 2021; 27(2):14604582211008210.
 32. B. J. Duncan, D. R. Kaufman, L. Zheng, **M. A. Grando**, S. K. Furniss, K. A. Poterack, T. A. Miksch, R. A. Helmers, B. N. Doebbeling (2020) A Micro-analytic Approach to Understanding Electronic Health Record Navigation Paths. *Journal of Biomedical Informatics* Volume 110, October 2020, 103566. Available online at <https://www.sciencedirect.com/science/article/abs/pii/S1532046420301957>.
 33. M. Saks, **M. A. Grando**, C. Millea., A. Murcko (2020) Advancing the Use of HIE Data for Research. *Arizona State Law Journal* Volume 52, Issue 1, 145-189.
 34. **M. A. Grando**, D. Sottara, R. Singh, A. Murcko, H. Soni, T. Tang, *N. Idouraine*, M. Mote, D. Chern, C. Dye, M.J. Whitfield (2019) Pilot Evaluation of Sensitive Data Segmentation Technology for Privacy. *International Journal of Medical Informatics* 138 (2020) 104121.
 35. D. Groat†, K. Corrette, **M. A. Grando***, V. Vellore, M. Bayuk, G. Karway, R. G. McCoy, K. Grimm, C. Cook, B. Thompson (2019) Data-Driven Diabetes Education Guided by a Personalized Report for Patients on Insulin Pump Therapy. *Applied Clinical Informatics* 04(01): e9-e21.
 36. H. Soni, **M. A. Grando***, A. Murcko, *S. Diaz*, M. Mukundan, *N. Idouraine*, G. Karway, M. Todd, D. Chern, C. Dye, M. J. Whitfield (2020) State of the Art and Mixed-Method Personalized Approach to Assess Patients Perceptions on Medical Record Sharing and Sensitivity. *Journal of Biomedical Informatics* 101 (2020) 103338.
 37. G. Karway, **M.A. Grando***, K. Grimm, D. Groat, C. Cook, B. Thompson (2019) Self-Management Behaviors of Patients with Type 1 Diabetes: Comparing Two Sources of Patient-Generated Data. *Applied Clinical Informatics* 11(1):70-78.
 38. **M. A. Grando**, *J. Ivanova*, *M. Hiestand*, H. Soni, A. Murcko, M. Saks, D. Kaufman, M. J. Whitfield, C. Dye, D. Chern, J. Maupin (2019) Mental Health Professional Perspectives on Health Data Sharing: Mixed Methods Study. *Health Informatics Journal* 26(3):2067-2082.
 39. L. Zheng, D. Kaufman, B. J. Duncan, S. K. Furniss, **M. A. Grando**, K. Poterack, et al. (2019) A task-analytic framework comparing preoperative electronic health record-mediated nursing workflow in different settings. *Computers Informatics Nursing* 38(6):294-302.
 40. **M. A. Grando**, M. Bayuk, G. Karway, K. Corrette, D. Groat, C. Cook, B. Thompson (2019) Patient Perception and Satisfaction with Insulin Pump System: Pilot User Experience Survey. *Journal of Diabetes Science and Technology* 13 (6): 1142-1148.
 41. R. Helmers, B. N. Doebbeling, D. Kaufman, **M. A. Grando**, K. Poterack, S. Furniss, M. Burton, T. Miksch (2019) Mayo Clinic Registry of Operational Tasks (ROOT): A Paradigm Shift in E.H.R. Implementation Evaluation. *Mayo Clinic Proceedings: Innovations, Quality and Outcomes* 23;3(3):319-326.
 42. D. Groat†, *H. J. Kwon*, **M. A. Grando**, C. B. Cook, B. Thompson (2018) Comparing Real-Time Self-Tracking and Device-Recorded Exercise Data in Subjects with Type 1 Diabetes. *Applied Clinical Informatics* 9(4):919-926.
 43. M. J. Saks, **M. A. Grando**, A. Murcko, C. Millea (2018) Granular Patient Control of Personal Health Information: Federal and State Law Considerations. *Jurimetrics, The Journal of Law, Science and Technology* 48(5): 1-25.
 44. †D. Groat, **M. A. Grando***, H. Soni, B. Thompson, D. Kaufman, C. Cook (2018) Design and Testing of a Smartphone Application for Real-Time Self-Tracking Diabetes Self-Management Behaviors. *Applied Clinical Informatics* 9(2):440-449.

45. D. Groat, H. Soni, **M. A. Grando***, B. Thompson, C. Cook (2017) Self-reported Compensation Techniques for Carbohydrate, Exercise and Alcohol Behaviors in Patients with Type 1 Diabetes on Insulin Pump Therapy. *Journal of Diabetes Science and Technology* 12(2): 412-414.
46. D. Groat, **M. A. Grando***, B. Thompson, P. Nieto, H. Soni, M. E. Boyle, M. Bailey, C. B. Cook (2017) A Methodology to Compare Insulin Dosing Recommendations in Real-Life Settings. *Journal of Diabetes Science and Technology* 11(6):1174-1182.
47. **M. A. Grando**, A. Murcko, S. Mahankali, M. Saks, M. Zent, D. Chern, R. Sharp, L. Young, P. Davis, M. Hiestand, N. Hassanzadeh (2016) A study to elicit behavioral health patients and providers opinions on health records consent. *Journal of Law, Medicine and Ethics* 45 (2): 238-259.
48. D. Groat, **M. A. Grando***, H. Soni, B. Thompson, M. E. Boyle, M. Bailey, C. B. Cook (2016) Self-management behaviors in adults on insulin pump therapy: What are patients really doing? *Journal of Diabetes Science and Technology* 11(2): 233-239.
49. **M. A. Grando**, D. Groat, H. Soni, M. E. Boyle, M. Bailey, B. Thompson, C. B. Cook (2016) Characterization of exercise and alcohol self-management behaviors of type 1 diabetes patients on insulin pump therapy. *Journal of Diabetes Science and Technology* 11(2): 240-246.
50. **M. A. Grando**, L. Moss, D. Sleeman, J. Kinsella (2013) Argumentation-logic for creating and explaining medical hypotheses. *Artificial Intelligence in Medicine* 58(1): 1-13.
51. **M. A. Grando**, D. Glasspool, A. Boxwala (2012) Argumentation-logic for the flexible enactment of goal-based medical guidelines. *Journal of Biomedical Informatics* 45(5): 938-49.
52. **M. A. Grando**, D. Glasspool, J. Fox (2012) A formal approach to the analysis of clinical computer-interpretable guideline modeling languages. *Artificial Intelligence in Medicine* 54 (1): 1-13.
53. **M. A. Grando**, M. Peleg, M. Cuggia, D. Glasspool (2011) Patterns for collaborative work in health care teams. *Artificial Intelligence in Medicine* 53(3) 139-160.
54. **M. A. Grando**, M. Peleg, D. Glasspool (2010) A goal-oriented framework for specifying clinical guidelines and handling medical errors. *Journal of Biomedical Informatics* 43-2: 287-299.
55. **M. A. Grando**, V. Mitrana (2007) Possible Connection Between Two Theories: Grammar Systems and Conpresent Programming. *Fundamenta Informaticae*, volume 76 number 3, IOS Press: 325-336.

Conference peer-reviewed, full-size papers

- American Medical Informatics Association (AMIA) Annual Symposium and World Congress on Medical and Health Informatics (MEDINFO) are considered top-tiered publication venues in clinical informatics. These are PubMed indexed, peer-reviewed, citable, full papers. Two full-length papers for these conferences are considered equivalent to one journal publication.
1. S. Khamesian, A. Arefeen, B. M. Thompson, **M. A. Grando**, H. Ghasemzadeh (2025) AZT1D: A Real-World Dataset for Type 1 Diabetes, In Proceedings of the IEEE-EMBS International Conference on Body Sensor Networks (BSN), November 3-5, 2025, Los Angeles, CA.
 2. A. Areffan, S. Kahmesian, B. Thompson, **M. A. Grando**, H. Zadeh (2024) GlyMan: Glycemic Management using Patient-Centric Counterfactuals. IEEE-EMBS International Conference on Biomedical and Health Informatics, November 10-13, 2024, Houston, Texas.
 3. M. Eluru, A. S. Potturu, M. Scotch, L. Allen, N. Osgood, A. Tello, **M. A. Grando** (2024) Development and Usability Testing of a Web-Based Research Guide for Health Solutions Grant Writing. AMIA Annu Symp 2024.
 4. L. Zheng, B. J. Duncan, D. R. Kaufman, S. K. Furniss, **M. A. Grando**, K. A. Poterack, R. A. Helmers, T. A. Miksch, B. N. Doebbeling (2020) E.H.R. Conversion on the PreOp Care: A Pre-Post Workflow Comparison. AMIA Annu Symp 2020; Jan 25;2020:1402-1411. **Nominated for AMIA's best student paper award.**

5. B. J. Duncan, D. R. Kaufman, L. Zheng, **M. A. Grando**, S. K. Furniss, K. A. Poterack, T. A. Miksch, R. A. Helmers, B. N. Doebbeling (2020) We're Lost, But We are Making Good Time: Navigating Complex Pathways in a Patient-Order Management Task. AMIA Annu Symp 2020; 2020: 402–411.
6. V. R. Vellore, **M. A. Grando***, B. Duncan, D. R. Kaufman, S. K. Furniss, B. N. Doebbeling, K. A. Poterack, T. Miksch, R.A. Helmers (2019) Process mining and Ethnography Study of Medication Reconciliation Tasks. AMIA Annu Symp 2019: 1167-1176
7. H. Soni, **M. A. Grando***, M. P. Aliste, A. Murcko, M. Todd, M. Mukundan, M. Saks, *C. Horrow*, R. Sharp, C. Dye, D. Chern, M. J. Whitfield, M. Callesen (2019) Perceptions and preferences about granular data sharing and privacy of behavioral health patients. World Congress on Medical and Health Informatics (MEDINFO), Lyon, France, August 26-30
8. B. Duncan, A. J. Solomon, L. Zheng, B. N. Doebbeling, S. K. Furniss, **M. A. Grando**, M. M. Burton, K. A. Poterack, T. A. Miksch, R. A. Helmers, D. R. Kaufman (2018) In Search of Vital Signs: A Comparative Study of E.H.R. Documentation. AMIA Annu Symp 2018, November 3-7
9. *A. Ponnappalli*, **M. A. Grando**, A. Murcko, P. Wertheim (2018) Systematic Literature Review of Prescription Drug Monitoring Programs. AMIA Annu Symp 2018, November 3-7
10. **M. A. Grando**, A. Manataki[‡], S. K. Furniss, B. Duncan, A. Solomon, D. Kaufman, S. Hirn, R. Sunday, J. Bouchereau, B. Doebbeling, M. M. Burton, K. A. Poterack, T. Miksch, R. A. Helmers (2018) Multiple-method study of electronic health record workflows. AMIA Annu Symp 2018, Nov 3-7
11. B. Duncan, A. Solomon, B. Doebbeling, S. K. Furniss, **A. Grando**, K. A. Poterack, T. Miksch, R. A. Helmers, D. Kaufman (2017) A Comparative In-Situ Study of Two Medication Reconciliation Interfaces in Pre-Operative Nurse Assessments. Workshop on Interactive Systems in Healthcare (WISH). AMIA Annu Symp 2017, November 4-8
12. H. Soni, **M. A. Grando***, A. Murcko, M. Bayuk, P. Chandrashekar, M. Mukundan, M. Abrams, M. P. Aliste, *M. Hiestand*, J. Varkey, W. Zhou, *C. Horrow*, M. Saks, R. Sharp, M. Whitfield, M. Callesen, C. Dye, D. Chern (2017) Current State of Electronic Consent Processes in Behavioral Health: Outcomes from an Observational Study. AMIA Annu Symp 2017; 2017:1607-1616
13. **M. A. Grando**, D. Groat, S. K. Furniss, J. Nowak, R. Gaines, D. R. Kaufman, K. A. Poterack, T. Miksch, R. A. Helmers (2017) Using Process Mining Techniques to Study Workflows in a Pre-operative Setting. AMIA Annu Symp 2017; 2017:790-799
14. B. Doebbeling, M. Burton, D. Kaufman, K. Poterack, M. McCullough, **M. A. Grando**, R. Helmers, T. Miksch (2016) Integrated Workflow Capture in an E.H.R. Conversion: Standardizing on Best Practice Methods. AMIA Annu Symp 2016
15. S. K. Furniss, M. M. Burton, **M. A. Grando**, D. W. Larson, D. R. Kaufman (2016) Integrating Process Mining and Cognitive Analysis to Study E.H.R. Workflow. AMIA Annu Symp 2016; 2016:580-589
16. D. R. Kaufman, S. K. Furniss, **M. A. Grando**, D. W. Larson, M. M. Burton (2015) A Sequential Data Analysis Approach to Electronic Health Record Workflow. Context Sensitive Health Informatics Conference 2015, August 15-16, Brazil. Stud Health Technol Inform 218:120-5
17. B. Lloyd, D. Groat, C. B. Cook, D. Kaufman, **M. A. Grando** (2015) iDECIDE: A Mobile Application for Insulin Dosing Using an Evidence Based Equation to Account for Patient Preferences. World Congress on Medical and Health Informatics (MEDINFO). IOS Press, Studies in Health Technology and Informatics, pp. 93 - 97. Editors: I. N. Sarkar, A. Georgiou, P. Mazzoncini de Azevedo Marques
18. L. Johnstun, D. Groat, A. Bhalla, K. J. Peterson, J. Pathak, **M. A. Grando** (2014) Using Phenotype Portal for Checking Clinical Guideline Recommendation Compliance. AMIA Annu Symp 2014
19. E. A. Bell, L. Ohno-Machado, **M. A. Grando** (2014) Sharing My Health Data: A Survey of Data Sharing Preferences of Healthy Individuals. AMIA Annu Symp 2014; 2014: 1699–1708
20. S. Farrish, **M. A. Grando** (2013) Ontological Approach to Reduce Complexity in Polypharmacy.

- AMIA Annu Symp 2013; 2013: 398-407
21. **M. A. Grando**, R. Schwab (2013) Building and Evaluating an Ontology-based Tool for Reasoning about Consent Permission. AMIA Annu Symp 2013; 2013: 514-523
 22. **M. A. Grando**, R. Schwab, A. Boxwala, ‡N. Alipanah (2012) Ontological approach for the management of informed consent permissions. 2nd IEEE International Conference on Healthcare informatics, Imaging, and Systems Biology, UCSD San Diego, 51-60
 23. **M. A. Grando**, S. F. Farrish, C. Boyd, A. Boxwala (2012) Ontological approach for safe and effective polypharmacy prescription. AMIA Annu Symp Proc. 2012; 2012: 291-300
 24. A. Maghraby, D. Robertson, **M. A. Grando**, M. Rovatsos (2012) Automated Deployment of Argumentation Protocols. 4th International Conference on Computational Models of Argument (COMMA 2012). IOS Press, 197-204
 25. A. Maghraby, D. Robertson, **M. A. Grando**, M. Rovatsos (2012) Bridging the Specification Protocol Gap in Argumentation. 9th International Workshop on Argumentation in Multi-Agent Systems (ArgMas 2012)
 26. ‡P. Papapanagiotou, J. Fleuriot, **M. A. Grando** (2012) Rigorous process-based modeling of patterns for collaborative work in healthcare teams. 25th IEEE International Symposium on Computer-based Medical System (CBMS 2012), 1-6
 27. A. O. Maghraby, D. Robertson, **M. A. Grando**, M. Rovatsos (2011) Bridging the Specification-Protocol Gap in Argumentation. 5th Saudi International Conference (SIC2011)
 28. **M. A. Grando**, W.M.P. van der Aalst, R.S. Mans (2011) Reusing a declarative specification to check the conformance of different C.I.G.s. 4th International Workshop on Process-oriented Information Systems in Healthcare 2011, in 9th Conference on Business Process Managements
 29. **M. A. Grando**, M.H. Schonember, W. van der Aalst (2011) Semantic-based Conformance Checking of Computer Interpretable Medical Guidelines. International Conference of Health Informatics HealthInf BIOSTEC. Springer Verlag, pp. 5-16. Editors: V. Traver, A. Fred, J. Filipe, H. Gamboa
 30. **M. A. Grando**, ‡L. Moss, D. Glasspool, D. Sleeman, M. Sim, C. Gilhooly, J. Kinsella (2011) Argumentation-logic for explaining anomalous patient responses to treatments. Conference Artificial Intelligence in Medicine. Springer Verlag Berlin Editors: M. Peleg, N. Lavrac, C. Combi
 31. **M. A. Grando**, M. H. Schonember, W. van der Aalst (2011), Semantic Process Mining for the verification of medical recommendations. International Conference of Health Informatics HealthInf (Rome, Italy)
 32. **M.A. Grando**, M. Peleg, D. Glasspool (2010). Goal-based design pattern for delegation of work in health care teams. World Congress of Medical and Health Informatics (MEDINFO). Stud Health Technol Inform 160 (Pt 1): 299-303
 33. L. Becerra-Bonache, G. Bel-Enguix, **M. A. Grando***, M. D. Jimenez-Lopez (2010). Simulacion del dialogo con sisemas de gramaticas dirigidos. IX International Congress of General Linguistics, Valladolid, Spain
 34. ‡E. Black, D. Glasspool, **M. A. Grando***, V. Patkar, J. Fox (2009). Goal-based decisions for dynamic planning. Int. Conference Artificial Intelligence in Medicine 56: 96-100
 35. **M. A. Grando**, D. W. Glasspool, J. Fox (2008) Petri Nets as a formalism for comparing expressiveness of workflow-based Clinical Guideline Languages. 2nd International Workshop on Process-oriented information systems in healthcare (ProHealth 08), 6th International Conference on Business Process Management 2008, Lecture Notes in Business Information Processing 17 Springer: 348-360
 36. G. Bel-Enguix, **M. A. Grando***, M. D. Jimenez-Lopez, (2007). An interaction protocol for agent communication. Conference Software Agents and Services for business Research and E-sciences (SABRE 2007), Leipzig (Germany), Multi-Agent Systems and Applications V, LNCS, Springer Berlin/Heidelberg, volume 4696: 62-72

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39. **M. A. Grando**, C. Walton (2006). MAPa: a Language for Modelling Conversations in Agent Environments. Intelligent Information Processing and Web Mining Conference 2006 (IIPWM06), Ustron (Poland), Proceeding IIPWM06, Series Advances in Soft Computing Vol. 35, Springer Verlag
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41. G. Bel-Enguix, **M. A. Grando***, M. D. Jimenez-Lopez (2006) A Grammatical Framework for Modelling Multi-agent Dialogues. 9th Pacific Rim International Workshop on Multi-Agents, PRIMA 2006 Guilin (China), Proceedings PRIMA 2006, Agent Computing and Multi-Agent Systems, LNCS 4088, Springer: 10-21
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43. H. Dediu, **M. A. Grando** (2005) Simulating Evolutionary Algorithms with Eco-grammar Systems. IWINAC-2005, 1st. International Work-Conference on the interplay between natural and artificial computation, Lecture Notes in Computer Science Springer: 112-121
44. **M. A. Grando**, V. Mitran (2004) A possible connection between two theories: Grammar Systems and Conpresents Programming. Grammar System Week 2004 Hungary, Proc. Grammar System Week: 200-211
45. **M. A. Grando**, E. Acosta, M. Uva, D. Riesco, N. Debnath (2002). Extension of UML Activity Graph based on the Workflow Meta-model. Proceeding of the Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing (SNPD 2002), Madrid (Spain)
46. D. Riesco, G. Montejano, E. Acosta, M. Uva, **M. A. Grando**, N. Debnath (2002). Workflow Application Activity Definition using O.C.L. based on UML Activity Graph Meta-model. Proceeding of International Conference on Computer Science, Software Engineering, Information Technology, e-Business, and Applications, Foz do Iguazu (Brazil)
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Book chapters

1. M. Sadeghi, S. T. Rozenblom, M. Sharko, **M. A. Grando** (2025) Data Sharing Standards. *Book chapter* in “Informatics in Pediatrics”. N. Pageler, S. Downs, C. Lehmann. Pediatric Informatics 2nd Edition. Springer.
2. Y. Schneider, **M. A. Grando***, J. S. Obeid, W. Bajwa (2015). 'Electronic Media for Engaging Patients in the Research Consent Decision Process.' M. A. Grando, R. Rozembum, D. Bates editors. *Book chapter* in 'Information Technologies for Patient Empowerment in Healthcare.' M.A. Grando, R. Rozembum and D. Bates editors, Walter de Gruyter, ISBN-10: 1614515921

3. **M. A. Grando**, L. Moss, G. Bel-Enguix, M. D. Jimenez-Lopez (2013). 'Argumentation-based dialogue systems for medical training.' Amy Neustein and Judith Markowitz editors. *Book chapter* in 'Machine Talk: The Next Generation of N.L.P. and Speech Technology.' Springer: 213-232

Conference panels

1. K. S. Williams, K. Hall, Y. Zhang, S. Fenton, J. Boehne, L. Garmire, **M. A. Grando**, J. Ancker, D. Tao, T. Harman, M. K. Ross, M. Reading, W. Chapman (2025). Panel on “Advancing Women in Health Informatics: Tools, Tactics, and Transformational Leadership”, AMIA Annual Symposium.
2. **M. A. Grando**, M. Jafari, J. Moehrke, C. Sarabu, L. Zhao‡ (2023). Panel on “Consent Management and Enforcement: Clinical and Technological Challenges and Solutions”, AMIA Annual Symposium.
3. W. Chapman, L. Schpaer, **M. A. Grando**, M. Andinson, M. Nazarina, D. Tao (2023) Panel on “Women’s Leadership Programs in the US, Australia, and UK: Success, Sustainability, and Scope”, MEDINFO Conference, Australia, Sydney.
4. K. Williams, M. Ross, Z. Kahn, T. Harman, **M. A. Grando** (2021) Panel on “Women in AMIA-led Podcast and Focus on Diversity: Past, Present, and Future” AMIA Annual Symposium.
5. **M. A. Grando**, P. Dykes, G. P. Jackson, M. R. Boland, S. Khairat, M. H Gray, S. McGrath (2021) Panel on “A Journey through the Pathways of AMIA Q&A Session for Students”, AMIA Virtual Informatics Summit.
6. W. Chapman, S. Guergana, C. Coonan, M. Johns, **M. A. Grando** (2020). Panel on “Training Women for Leadership in Informatics and Digital Health: A Report from the Inaugural Women in AMIA Leadership Program”, AMIA Annual Symposium, virtual event.
7. A. Murcko, S. Furniss, J. Kwamboka, **M. A. Grando** (2019). Panel on “Informatics for Undergraduates: View from the Trenches”, AMIA Informatics Educator Forum Conference.
8. **M. A. Grando**, G. Runger, A. Murcko, A. Chapman (2018). Panel on “How to Better Prepare Informatics Students to Succeed in the Workforce?”, AMIA Informatics Educator Forum.
9. **M. A. Grando**, A. Murcko, M. Saks (2017). Panel on “My Data Choices”, Fifth Annual Conference on Governance of Emerging Technology: Law, Policy and Ethics.
10. **M. A. Grando**, A. Boxwala (2012). Panel on “Biobanking and Sample Management Strategies”, Marcus Evans Biobanking & Sample Management Strategies Conference.

Conference workshops

1. S. Sittig, K. K. Kim, R. Koppel, R. Gottumukkala, **M. A. Grando**, J. Marquard, M. Tsai (2025) “Navigating Ethical AI in Healthcare Workshop: Protecting Patients and Caregivers”. AMIA Annual Symposium.
2. K. K. Kim, Y. Chen, **M. A. Grando**, S. Sittig, Y. K. Choi, V. Mishra, V. L. Payne (2024) “The Current State and Future of Community and Patient-Driven Health Artificial Intelligence: A Collaborative”, AMIA Annual Symposium.
3. **M. A. Grando**, R. Valdez, K. K. Kim, Y. K. Choi, D. Kaufman, D. Newman-Griffis, N. Reid, O. Bear Don’t Walk IV, Y. Chen, L. Laranjo, C. L. Martin, V. L. Payne, J. Saw (2023) “Accessibility in Healthcare for Improve, Equity, and Inclusion: Co-design of Person-centered Informatics Solutions”, AMIA Annual Symposium.

Conference posters and abstracts

1. K. Hurlock, N. Prathap, **M. A. Grando**, A. Murcko (2023) Validation of Sociocultural Risk Assessment in Spanish-Speaking Communities. Equality Health Conference, Phoenix, Arizona.

2. L. Zhao‡, *M. Gue*, **M. A. Grando**, E. Kalpas‡ (2023). Pilot Evaluation of ChatGPT as Symptom Checker for Patient Self-Diagnose and Triage. Mayo Clinic AI Summit, Rochester, Minnesota.
3. *V. S. V. S. Pragada*, *R. S. Sharma*, **M. A. Grando** (2022). How Physicians Use E.H.R. Data to Classify Sensitive Medical Records? Thematic Analysis. 2022 AMIA Annu Symp.
4. *T. Kaing*, *G. Karway*, *J. Ivanova*, *K. Syed*, A. Murcko, M. Franczak, M. Whitfield, **M. A. Grando** (2021). Perceptions on Granular Data Sharing in Behavioral Health Populations. 2021 AMIA Annu Symp.
5. *A. Bhowmik*, *G. Karway*, *J. Ivanova*, A. Murcko, **M. A. Grando** (2020). Systematic Literature Review on 42 C.F.R. Part 2. 2020 AMIA Annu Symp
6. *T. Tang*, *N. Idouraine*, *J. Ivanova*, *H. Soni*, A. Murcko, **M. A. Grando**, D. Chern, C. Dye, MJ Whitfield (2020). Health Care Professional Perspectives of Patient-Controlled Granular Information Sharing. 2020 AMIA Annu Symp
7. *N. Idouraine*, *J. Ivanova*, *T. Tang*, *H. Soni*, A. Murcko, **M. A. Grando** (2020). What is a provider? Need for a new healthcare professionals taxonomy. 2020 AMIA Annu Symp
8. *T. Tang*, *N. Idouranie*, *J. Ivanova*, *H. Soni*, A. Murcko, **M. A. Grando**, D. Chern, C. Dye, M. J. Whitfield (2019). Comparison of health care professional perspectives of patients having granular sharing control before and after focus groups. American College of Physician (A.C.P.), Annual Arizona Chapter, Tucson, Arizona
9. *S. Ponnappalli*, *A. Johnson*, *S. LaCour*, B. Ruddy, H. Fields, A. Murcko, **M. A. Grando**, P. Davis. M. Wallace (2019). Improving Delivery of Chronic Opioid Therapy (C.O.T.) in a Primary Care Internal Medicine Clinic: Quality Improvement Study. 2019 AMIA Annu Symp
10. *M.P. Aliste*, **M. A. Grando**, A. Murcko, *H. Soni*, M. Todd, *M. Mukundan*, M. Saks, C. Horrow, R. Sharp, C. Dye, D. Chern, M. J. Whitfield, M. Callesen (2019). Design and Pilot Testing of an English and Spanish Behavioral Health Patient Survey on Data Privacy. World Congress on Medical and Health Informatics (MEDINFO), Lyon, France
11. **M. A. Grando** (2019). Applying evidence-based effective teaching practices: lessons learned, AMIA Informatics Educator Forum Conference.
12. **M. A. Grando**, A. Murcko, *H. Soni*, D. Chern, C. Dye, MJ Whitfield (2018). Patient-driven, Granular Control of Sensitive Health Data: My Data Choices. American Society of Addiction Medicine Annual Conference
13. **M. A. Grando**, *M. Bayuk*, D. Groat, B. Thompson (2018). MiniMed 670G: Results from a User Experience Survey. Diabetes Technology Meeting
14. **M. A. Grando**, *M. Bayuk*, D. Groat, B. Thompson (2018). Self-reported behaviors among insulin pump users. Diabetes Technology Meeting
15. *A. Ponnappalli*, **M. A. Grando**, A. Murcko, P. Wertheim (2018). Systematic Literature Review of Prescription Drug Monitoring Programs. ASU- BMI and Mayo Clinic Employer Networking and Student Poster Competition, Scottsdale, Arizona. **ASU-BMI best poster award**
16. *A. Solomon*, B. Doebbeling, D. Kafuman, S. Furniss, **M. A. Grando**, K. Poterack, R. Helmers, M. Burton, T. Miksch, *B. Duncan*, *L. Zheng* (2018). Characterizing Workflow in E.D.s of a Health System Prior to E.H.R. Conversion. Academy Health Annual Research Meeting
17. M. Wallace, B. Ruddy, H. Fields, A. Murcko, **M. A. Grando**, *P. Davis*, *A. Ponnappalli*, M. Buras (2018). Chronic Opioid Therapy (C.O.T.) Guideline Implementation: Stakeholder Impact. AMIA Clinical Informatics 2018
18. *B. Duncan*, *L. Zheng*, B. Doebbeling, *A. Solomon*, S. Furniss, **M. A. Grando**, M. Burton, K. Poterack, T. Miksch, R. Helmers, D. Kaufman (2018). Categorization of E.H.R. Design Problems Using Usability Heuristics, AMIA Clinical Informatics 2018, May 8-10

19. L. Zheng, B. Duncan, B. Doebbeling, A. Solomon, S. Furniss, **M. A. Grando**, M. Burton, K. Poterack, T. Miksch, R. Helmers, D. Kafuman (2018). Preoperative Nursing Workflow and Problem Solving, AMIA Clinical Informatics 2018, May 8-10
20. B. Duncan, L. Zheng, B.N. Doebbeling, A. J. Solomon, S. K. Furniss, **M. A. Grando**, M. M. Burton, K. A. Poterack, T. Miksch, R. A. Helmers, D. R. Kaufman (2018). Preoperative Medication Management: Reconciling Differences across Clinical Sites. Human Factors and Ergonomic Society, Healthcare Symposium, March 26-28
21. M. Hiestand, **M. A. Grando**, A. Murcko, H. Soni, J. Varkey, C. Horrow, M. Saks, R. Sharp, M. J. Whitfield, M. Callesen, C. Dye, D. Chern (2017). Behavioral Health Provider Perspectives on Health Data Sharing. AMIA Annu Symp 2017
22. M. Hiestand, **M. A. Grando**, A. Murcko, H. Soni, J. Varkey, C. Horrow, M. Saks, R. Sharp, M. J. Whitfield, M. Callesen, C. Dye, D. Chern (2017). Data Sharing and Consent Practices of Behavioral Health Providers. Conference on Governance of Emerging Technology: Law, Policy and Ethics
23. D. Groat, H. Soni, B. Thompson, M. E. Boyle, M. Bailey, C. Cook, **M. A. Grando** (2016). Understanding Self-Management Behaviors to Improve Insulin Dosing. American Diabetes Association, 76th Scientific Sessions 2016. **Selected for ADA Moderated Session**
24. D. Groat, **M. A. Grando**, G. Wallstrom, B. Thompson, M. E. Boyle, M. Bailey, C. Cook, (2016). Retrospective Evaluation of an Evidence-based Equation for Insulin Dosing Accounting for Exercise and Alcohol. American Diabetes Association, 76th Scientific Sessions 2016
25. D. Groat, H. Soni, B. Thompson, C. B. Cook, **M. A. Grando** (2015). Characterizing Self-Management Behaviors of Type 1 Diabetes Patients on Insulin Pump Therapy. Diabetes Technology Conference 2015
26. D. Groat, H. Soni, B. Thompson, C. B. Cook, **M. A. Grando** (2015). Introducing a Method to Retrospectively Compare Insulin Dosing Recommendations. Diabetes Technology Conference 2015.
27. I. van Woerden, L. Spano, P. Nieto, D. Groat, **M. A. Grando** (2015). iDECIDE Smartphone App for Personalized Messages for Nutrition and Fitness Goals. AMIA Annu Symp 2015
28. A. Farhadi, B. Lloyd, D. Groat, ‡J. Mirkovic, C. B. Cook, **M. A. Grando** (2014). iDECIDE: A Mobile Application for Pre-Meal Insulin Dosing Using an Evidence Based Equation to Account for Patient Preferences. AMIA Annu Symp 2014
29. S. Dhamodharan, **M. A. Grando**, D. Sottara (2014). A Semantically Enhanced Clinical Rules Management Repository Prototype. AMIA Annu Symp 2014
30. A. Farhadi, B. Lloyd, D. Groat, ‡J. Mirkovic, C. B. Cook, **M. A. Grando** (2014). iDECIDE: A Mobile Application for Pre-Meal Insulin Dosing Using an Evidence Based Equation to Account for Patient Preferences. Mayo Academic Excellence Date, Scottsdale, Arizona
31. E. Bell, **M.A. Grando**, L. Ohno-Machado (2014). A Pilot Evaluation of Patient Data Sharing Preferences. AMIA Joint Summits on Translational Science 2014
32. A. Rana, **M. A. Grando**, M. Wong, E. Bell (2014). Informed Consent for clinical records and Sample use in Research. AMIA Joint Summits on Translational Science 2014
33. ‡E. C. Shenvi, **M. A. Grando**, M. L. Hilfiker, H. Kim (2013). Modeling a Decision Rule for Usage of Diagnostic Abdominal CT in Pediatric Blunt Trauma. AMIA Annu Symp 2013
34. **M. A. Grando**, E. Johnstone (2012). Informed CONsent for clinical record and Sample use in research (iCONS). Showcase for National Centers for Biomedical Computing, NIH campus, Bethesda
35. **M.A. Grando**, R. Schwab, A. Boxwala (2012). Can we facilitate research by maximizing data and biosample utility while complying with subject's consent? 2012 Advancing Ethical Research Conference
36. ‡L. Moss, **M. A. Grando** (2012). Helping a clinician understand anomalous patient responses to treatment. Symposium: Influencing People with Information (SIPI 2012), Aberdeen, Scotland

37. ‡L. Moss, **M. A. Grando**, D. Sleeman, M. Sim, C. Gilhooly, J. Kinsella (2011) Formalizing and understanding collaborative decision making in Intensive Care Unit. Annual Scientific Meeting of the Scottish Intensive Care Society, Aberdeen (U.K.) January 2011

Articles and reports, non-peer-reviewed

1. A. C. Murcko, **M. A. Grando** (2014). 'Patient Empowerment Technology.' (2014) Round-up Volume 60 May 2014, Maricopa County Medical Society: 32-37
2. L. Ohno-Machado, ‡N. Alipanah, M. E. Day, R. El-Kareh, S. Farzaneh, P. Freeland, **M. A. Grando**, H. Kim, D. Meeker, K. Kim (2013). 'Comprehensive Inventory of Research Networks. Clinical Data Research Networks, Patient-Powered Research Networks, and Patient Registries.' Patient-Centered Outcomes Research Institute (PCORI) Report. Available at: <http://www.pcori.org/assets/2013/06/PCORI-Comprehensive-Inventory-Research-Networks-061213.pdf>

IN THE NEWS

1. 'Highlight: Women Leaders', The Women in AMIA Monthly-News Letter, November/December, Issue 10 (2020) https://www.amia.org/sites/default/files/WIA_Newsletter_Dec_2020_Issue_10.pdf
2. 'Mayo Clinic, ASU researchers create app to help manage type 1 diabetes' (2019) A.B.C. News, <https://www.abc15.com/news/region-southeast-valley/tempe/mayo-clinic-asu-researchers-create-app-to-help-manage-type-1-diabetes>
3. 'App may make diabetes self-management and personalized health care decisions earlier' (2019) Mayo Clinic, Advancing the Science <https://advancingthescience.mayo.edu/2019/06/19/app-may-make-diabetes-self-management-and-personalized-health-care-decisions-easier/>
4. 'New app for diabetes patients' (2019) PBS Arizona, <https://www.youtube.com/watch?v=ankr0-eRmMg>
5. 'Harness the Power of Information Technology to Empower your Patient.' (2016) HIMSS Asia Pacific, Member Spotlight, http://www.himssasiapac.org/sites/default/files/HIMSSAP_Exclusive_Articles_MemberSpotlight_HarnessingthePower.pdf
6. 'Creating smart health solutions with biomedical informatics.' (2014), ASU online news, Science and Tech, <https://asunews.asu.edu/20140828-biomedical-health-solutions>

ONGOING FUNDING

- 2025-2026** **A. J. and Sigismunda Palumbo Charitable Trust**
The Evidence-Based User Interface for Effective Weight Management
 Develop a patient-centered platform that uses the information of continuous ketone monitoring and a food/exercise tracking mobile app in patients to provide feedback on habits that promote effective adipose tissue loss.
 \$58,000, Role: Co-I
- 2025-2032** **NIDA Southwest Clinical Trials Node: clinical research and practice to address substance use in diverse, rural and underserved populations (2 UG1DA049468-0)**
 This award renews the Southwest Node of the NIDA Clinical Trials Network (CTN). The Southwest CTN will: i) facilitate implementation of clinical trials aimed at prevention and treatment of substance use disorders (SUD); ii) initiate and lead new trials; and iii) disseminate evidence and best practices for prevention and care of SUD.
 \$5,410,671, Role: Co-PI (PIs: Page, Grando)
- 2024-2028** **AHRQ Embedded Scholar program**
Southwest Safety Net Embedded Scientist Training and Research (SSNE-STaR) Center (P30HS029764)

Our goal is to help improve the health equity of historically disadvantaged populations with a strong commitment to the needs of Native American, Hispanic, homeless, refugee and other underserved populations by strengthening the capacity of our partner safety net healthcare organizations to generate evidence that informs practice for better health outcomes in underserved populations.

2025-2029 \$4,999,755.00, Role: Co-Director Education (PI: Rilley)

NIH T32

Comprehensive Health Analytics Training for Behavior Change Technologies (ChatBCT)

The goal is to train future behavioral and social science researchers to advance chronic disease prevention by mastering digital health technology design, adaptive intervention methods, data integration, and advanced analytics—including AI and machine learning. Through multidisciplinary mentorship, targeted coursework, and immersive research experiences, the program will prepare diverse predoctoral scholars to develop precise, personalized digital interventions for improving health outcomes.

Role: Mentor (PIs: Buman, Zadeh)

2024-2028 **NIH T32**

Interdisciplinary Systems-based Training for Precision Nutrition Program (INTERACT) (1T32DK137525)

The goal is to enhance diversity and foster workforce development for the integration and use of growing data resources to tackle complex biomedical challenges in nutrition science that traditional approaches fail to address.

Role: Mentor (PIs: Whisner, Liu)

2023-2027 **National Institute on Drug Abuse**

SHARES: Substance use HeAlth REcord Sharing (5R01DA056984)

The focus is to elucidate substance use disorder (SUD) data sharing challenges and the feasibility of automated data segmentation to improve data interoperability and health care for those with SUD.

\$3,216,215, Role: PI

PENDING FUNDING- UNDER REVIEW

- **National Institute of Mental Health**

SEGURA (Supporting Ethical Governance and User Rights in AI Mobile Applications)

SEGURA will produce actionable guidelines and policy recommendations promoting transparent and ethical AI practices in the space of mental health apps. SEGURA will enhance data privacy and security, while supporting responsible innovation.

\$3,355,876, Role: PI

Status: submitted June 2025

- **National Institute of Diabetes and Digestive and Kidney Diseases**

SPARK-T1D: Sodium-glucose Cotransporter-2 Inhibitors Personalized Assessment of Risk using Ketone data in Type 1 Diabetes

This project will develop tools to help doctors safely prescribe sodium-glucose cotransporter-2 inhibitors (SGLT2i) by predicting who is most at risk for diabetic ketoacidosis, potentially expanding access to these life-improving medications for 1.25 million people with type 1 diabetes in the U.S.

\$3,482,375, Role: Co-PI (PIs: Forzani, Grando)

Status: submitted October 2025

- National Institute of Diabetes and Digestive and Kidney Diseases**
A Novel Needleless Wearable for Continuous Ketone Monitoring to Support Obesity and Metabolic Disease Management
 We will develop a robust sensor pad based on liquid-core microsphere technology. We will integrate the sensor pad into a wearable device designed for daily use. We will create a user-centered mobile App to support effective weight management interventions and validate the continuous needleless ketone monitoring system.
 \$3,456,765, Role: Co-PI (PIs: Forzani, Grando)
 Status: not discussed; to be resubmitted on November 2025
- National Institute of Diabetes and Digestive and Kidney Diseases**
Personalized Ketone-Guided Decision Support: Concept Demonstration for Time-Restricted Eating and Weight Loss
 This project will introduce the novel, non-invasive, personalized Ketogenesis Responsive Eating System based on DermPad - the first needleless, continuous ketone monitor using skin acetone—integrated with a machine learning–driven clinical decision support system for obesity and overweight.
 \$3,278,946, Role: Co-PI (PIs: Forzani, Grando)
 Status: scored impact factor 46, 45 percentiles; to be resubmitted on February 2026

COMPLETED FUNDING

- 2023-2024 Mayo Clinic & ASU Alliance for Health Care Collaborative Research Seed Grant Machine Learning Design to Predict and Manage Postprandial Hyperglycemia in Patients with Type 1 Diabetes**
 In collaboration with the Mayo Clinic Arizona, Department of Endocrinology, the goal was to use mobile and wearable data to predict type 1 diabetes outcomes.
 \$100,000, Role: Co-I (PIs: Zadeh, Thompson)
- 2020-2024 Arizona Partnership for Economic Innovation (AZPEI) Blockchain Applied Research Lab (BARC)**
 The ASU Blockchain Research Lab’s mission was to advance the research and development of blockchain-based technologies in the areas of healthcare, business, finance, economics, mathematics, computer science, and all other areas of potential impact. The goal was to partner with industry leaders to solve real-world problems.
 \$1,400,000, Role: Co-I (PI: Boscovic)
- 2022-2024 HonorHealth, Clinical Informatics Fellowship**
 Mentoring HonorHealth physicians who are pursuing the online ASU Master in Health Informatics.
 \$14,582.88 annually, Role: Faculty (Director: Norquist)
- 2022-2023 Equality Health Foundation Spanish language validation for socio-cultural risk assessment (SCRA)**
 The purpose was to validate the Spanish SCRA with 300 Spanish speaker Equality Health patients.
 \$48,804, Role: Co-PI (PIs: Murcko, Grando)
- 2020-2021 Women in the American Medical Informatics Association, Seed Grant American Medical Informatics Association Podcasts**
 The aims were to produce podcasts for the American Medical Informatics Association (AMIA) that (1) attract people from underrepresented groups into the biomedical informatics field (2) can be used in multipurpose settings, such as education (3) add

- underrepresented groups to the AMIA/biomedical informatics pipeline (4) teach practical aspects of biomedical informatics.
\$5,000, Co-PI (PIs: Grando, Harman, Ross)
- 2016-2021 National Institute of Mental Health**
My Data Choices, evaluation of effective consent strategies for patients with behavioral health conditions (R01MH108992)
The goal was to improve the understanding of behavioral health patients' and surrogates' data sharing preferences for care and for research and support those choices with an informed consent tool. I received a one-year non-cost extension (2020-2021).
\$2,063,956, Role: PI
- 2017-2019 Mayo Clinic Office of Information and Knowledge Management**
ROOT (Registry Of Operations and Tasks)
\$815,000, Role: Co-I
- 2018 ASU and Mayo Clinic Research Accelerator Grant 2018 for Collaborative Health Care Delivery Science**
Data-driven behavioral-change individualized interventions to improve type 1 diabetes treatment adherence
\$219,679, Role: Co-PI (PIs: Grando, Thompson)
- 2017 Mayo Clinic-ASU Alliance Fellowship**
Expenses support for a 6-weeks research visit to Mayo Clinic, Biomedical Ethics Program, Rochester.
\$5,072, Role: Fellow
- 2014-2016 National Library of Medicine**
Patient-centered decision support based on device data (I DECIDE) (R21LM011667)
\$275,000, Role: PI
- 2012-2013 National Heart Lung and Blood Institute**
iDASH: integrating Data for Analysis, Anonymization, and Sharing, Ethics Complement (1U54HL108460 S1)
Role: Postdoctoral fellow
- 2012-2013 Patient-Centered Outcomes Research Institute (PCORI) (PCOInvNtw2012)**
Comprehensive Repository of Research Networks
Role: Postdoctoral fellow
- 2012 Engineering and Physical Sciences Research Council (EPSRC), UK**
Computer-based modelling for safe intra-hospital patient transfers
£10,563, Role: Co-PI (PIs: Grando, Fleuriot)
- 2011-2013 National Heart Lung and Blood Institute**
iDASH: integrating Data for Analysis, Anonymization, and Sharing (1U54HL108460)
Role: Postdoctoral fellow
- 2011-2012 The clinical decision support consortium for AHRQ CDS Research (HHS290200810010)**
Role: Postdoctoral fellow
- 2009 Engineering and Physical Sciences Research Council (EPSRC), UK**
Travel grant
- 2007 Ministry of Education and Science of Spain**
Travel grant
- 2006-2007 Ministry of Education and Science of Spain**

- 2005 Travel grant
Ministry of Education and Science of Spain
Travel grant
- 2005-2008 **Ministry of Education and Science of Spain**
PhD research fellowship, Role: PI
- 2003-2004 **Rovira I Virgili University, Spain**
PhD research fellowship, Role: PI

HONORS AND AWARDS

- 2026 Complylight selected for the 2026 NIDA “\$100,000 Start an SUD Startup” Challenge
- 2025 Complylight selected as “Most innovative” Massachusetts eHealth Initiative
- 2025 Nominated for the AMIA Board of Directors
- 2025 Selection for the Babson College’s NIDA Substance Use Disorder Sprint Program, Kerry Murphy Healy Center for Health Innovation and Entrepreneurship
- 2025 Selection for the NSF I-Corps Aspire Program
- 2023 Fellow of the American College of Medical Informatics (FACMI)
- 2023 Inaugural Fellow of the ASU Center for Health, Information and Research (CHIR)
- 2023 Outstanding Faculty Mentor Master’s Mentor ASU Graduate College
- 2022 Selected paper “Design and Evaluation of a Women Informatics Leadership Development Program” for Informatics Papers in Review, AMIA Annual Symposium
- 2021 Fellow of the American Medical Association (FAMIA)
- 2021-present Editorial Board, Artificial Intelligence in Medicine
- 2021-present Editorial Board, Journal of Biomedical Informatics
- 2021-2023 Associate Editor, Health Informatics Journal
- 2019-2021 Nomination for the Outstanding Faculty Mentor Award, ASU Graduate College
- 2019-2024 Nomination for the Best Faculty Mentor Award, ASU College of Health Solutions
- 2019 Trainee, AMIA Women in Leadership Training Program (1 year program)
- 2017 Faculty of the year, ASU College of Health Solution
- 2016 Best poster award, 'Understanding Self-Management Behaviors to Improve Insulin Dosing,' American Diabetes Association Conference
- 2015 ASU Devils' Advocates Apple Polisher award, for commitment and dedication to students
- 2012 Best poster award, 'Can we facilitate research by maximizing data and biosample utility while complying with subject's consent?' Advancing Ethical Research Conference
- 2009 PhD Excellent Cum Laude, University Rovira i Virgili
- 2001 Best Master in Computer Science student, Universidad Nacional de Rio Cuarto

RESEARCH VISITS

- 2024 Cedars-Sinai, Department of Computational Biomedicine, Los Angeles under the supervision of Dr. Graciela Gonzalez (April 1 to May 30)
Mayo Clinic, Rochester (U.S.A.), Biomedical Ethics Program under the supervision of Dr. Sharp (July 10 to August 18)
- 2017 Technical University Eindhoven (Netherlands), Department of Mathematics and Computer Science under the supervision of Dr. Will van der Aalst (1 to 30 April)
- 2010 Rovira i Virgili University (Spain), under the supervision of Dr. Gemma Bel-Enguix (16 to 22 December)

- 2008** BioMedical Informatics Research Department, Stanford University (U.S.A.), under the supervision of Mor Peleg, Ph.D. (27 to 31 October)
- 2007** Centre for Intelligent Systems and Applications, School of Informatics, Edinburgh University (United Kingdom), under the supervision of David Robertson, Ph.D. (October to November)
- 2006** Department of Computer and Information Science, Brooklyn College, City University of New York (U.S.A.), supervised by Simon Parsons, Ph.D. (August 2006 to January 2007)
- 2005** Centre for Intelligent Systems and Applications, School of Informatics, Edinburgh University (United Kingdom), under the supervision of David Robertson, Ph.D. (September to December)

MEMBERSHIPS AND AFFILIATIONS

- 2023-present** ASU Graduate Faculty Mentor Academy
- 2022-present** ASU Faculty Women of Color Caucus
- 2015-present** Healthcare Information and Management Systems Society (HIMSS), Arizona Chapter
- 2012-present** American Medical Informatics Association (AMIA)

COURSES TAUGHT AT ASU

<i>Period</i>	<i>Type</i>	<i>Course</i>	<i>Credits</i>
2026 Fall	Online, undergraduate	Health Informatics (BMI 201)	3
2025 Spring	Online, undergraduate	Health Informatics (BMI 201)	3
2025 Fall	Online, undergraduate	Health Informatics (BMI 201)	3
2024 Spring	Sabbatical	No teaching	NA
2023 Fall	In-person, graduate	Health Informatics (BMI 601)	3
2023 Fall	Online, graduate	Applied Project (BMI 593)	3
2023 Spring	Online, graduate	Applied Project (BMI 593)	3
2022 Fall	Online, graduate	Applied Project (BMI 593)	3
2022 Fall	In-person, graduate	Health Informatics (BMI 601)	3
2022 Spring	Online, graduate	Applied Project (BMI 593)	3
2021 Fall	In-person, graduate	Health Informatics (BMI 601)	3
2021 Spring	Online, graduate	Applied Project (BMI 593)	3
2020 Fall	In-person, graduate	Health Informatics (BMI 601)	3
2019 Spring	Personal Leave	No teaching	NA
2019 Fall	In-person & online, graduate	Health Informatics (BMI 601)	3
2019 Spring	Online, graduate	Health Informatics (BMI 601)	3
2019 Spring	In-person, graduate	Applied Project (BMI 593)	3
2018 Fall	In-person & online, graduate	Fundamentals of Health Informatics (BMI 601)	3
2017 Spring	In-person & online, graduate	Fundamentals of Health Informatics (BMI 601)	3
2016 Fall	In-person & online, graduate	Fundamentals of Health Informatics (BMI 601)	3
2016 Spring	In-person, undergraduate	Introduction to Clinical Informatics (BMI 201)	3
2016 Spring	Online, graduate	Fundamentals of Health Informatics (BMI 601)	3
2015 Spring	In-person, undergraduate	Introduction to Clinical Informatics (BMI 201)	3

2015 Spring	In-person, graduate	Biomedical Informatics Symposium (BMI 570)	1
2014 Fall	In-person, graduate	Biomedical Informatics Symposium (BMI 570)	1
2014 Spring	In-person, graduate	Clinical Decision Support (BMI 506)	3

COURSES CREATED AT ASU

<i>Period</i>	<i>Type</i>	<i>Course</i>	<i>Credits</i>
2020 Fall	In-person, undergraduate	App Development for Clinical and Population Health (BMI 310)	3
2016 Fall	Hybrid, graduate	Fundamentals of Health Informatics (BMI 601) * First hybrid course in the College of Health Solutions, ASU	3
2016 Spring	Online, graduate	Fundamentals of Health Informatics (BMI 601)	3
2015 Spring	In-person, undergraduate	Introduction to Clinical Informatics (BMI 201)	3
2014 Spring	In-person, graduate	Clinical Decision Support (BMI 506)	3

CHS FACULTY MENTORED

<i>Faculty Name</i>	<i>Position</i>	<i>Training Period</i>
Laurel Bruce	Clinical Assistant Professor, Speech and Hearing Science, CHS	2021- present
Tiffany Lemon	Assistant Professor, Biomedical Informatics, CHS	2024- present

POSTDOCTORATES MENTORED

<i>Trainee Name</i>	<i>Position</i>	<i>Training Period</i>
Taylor Young, PhD	Fellow, AHRQ SSNE-STaR	2025- present
Mengyi Wei, PhD	Postdoctoral fellow, SHARES grant	2023- 2025

FOREIGN VISITING SCHOLARS MENTORED

<i>Scholar</i>	<i>Position and University</i>	<i>Year</i>
Eoghan Mc Conalogue, PhD	Assistant Professor in the Department of Management, Dublin City University, Ireland	2018
Areti Manataki, PhD	Senior Researcher in the School of Informatics at the University of Edinburgh, United Kingdom	2017
Harri Honko, MSC	Tempere University of Technology, Finland	2017

MEDICAL DOCTORS MENTORED

<i>Role</i>	<i>Program</i>	<i>Trainee Name</i>	<i>Training Period</i>
Co-chair	Clinical Informatics Fellowship, HonorHealth	Kumar Nagarjan, MD	2023
Co-chair	Clinical Informatics Fellowship, HonorHealth	Collin Pitts, MD	2023-2024
Co-chair	Clinical Informatics Fellowship, HonorHealth	Ben Gifford, DO	2022-2024
Co-chair	Clinical Informatics Fellowship, HonorHealth	Lin Zhao, MD	2022-2024
Co-chair	Clinical Informatics Fellowship, HonorHealth	Ali Ali, MD	2021-2023

Co-chair	Clinical Informatics Fellowship, HonorHealth	Sanah Ali, MD	2021-2023
Co-chair	Clinical Informatics Fellowship, HonorHealth	Edward Kalpas, MD	2021
Co-chair	Clinical Informatics Fellowship, HonorHealth	Meghan Morris, MD	2021

Ph.D. STUDENTS MENTORED

Role	Trainee Name	Training Period	Thesis	Current job
Member	Asiful Arefeen	2023-present	Toward AI-Driven Behavioral Interventions in Digital Twin Systems for Improved Health Outcomes	N.A.
Chair	George Karway	2019-2022	Methods to Define and Measure Granular Data Sharing	Postdoctorate Fellow, Barrow Neurological Institute
Chair	Benjamin Duncan	2018-2021	Navigational Complexity Framework for EHR-mediated Workflow in PeriOp Care	Senior Human Factor Engineer, Geilo
Chair	Hiral Soni	2016-2020	Informatics Approaches to Understand Data Sensitivity Perspectives of Patients with Behavioral Health Conditions	Senior Research Associate, Doxy.me
Chair	Danielle Groat	2015-2017	iDECIDE: An Evidence-based Decision Support System for Improving Postprandial Blood Glucose by Accounting for Patient's Preferences	Assistant Professor, Intermountain Healthcare
Co-chair	Stephanie Furniss	2015-2017	Modeling clinicians' cognitive and collaborative work in post-operative hospital care	Data Science Manager, ASU

MEDICAL DOCTOR STUDENTS MENTORED

Role	Program	Trainee Name	Training Period
Chair	Research Distinction Track, College of Medicine, University of Arizona	Signe Langsetmo	2024-2024
Chair	Research Distinction Track, College of Medicine, University of Arizona	Tianyu Tang	2018-2020

MASTER STUDENTS MENTORED

Role	Program	Trainee Name	Training Period	Research Project
Chair	BMI	Santhoskumar Rajeshkannan	2025-present	Ethical AI: Assessment of AI-based Mental Health Chatbots
Chair	BMI	Afsheen Tajummal	2025-present	FUTURE AI Framework Assessment

Chair	BMI	Reid Cooper	2025-2026	NSF-ICorps Interviews with Domain Experts on Sensitive Medical Record Sharing
Chair	BMI	Rahma Alifia	2024-present	FHIR-based Digital Health Consent Resources
Chair	BMI	Abhishek Singh Dhadwal	2024-present	FHIR-based Patient-Controlled Medical Record Sharing
Chair	BMI	Sai Jahnvi Vemula	2024-2025	SHARES Provider Focus Groups
Co-chair	BMI	Sai Prathyusha Nookala	2024-2025	SHARES Provider Focus Groups
Co-chair	BMI	Dharma Teja Bhattu	2024-2025	SHARES Provider Focus Groups
Chair	BMI	Martha Kaiser	2024	FHIR Granular Data Segmentation
Co-chair	BMI	Kyler Hurlock	2024	Validation of a Culturally Appropriate Socio-cultural Risk Assessment in Spanish-Speaking Communities
Chair	BMI	Daniel Mendoza	2024	Opioid and Antidepressant Value Sets
Chair	BMI	Hannah Kaufman	2024	The Impact of Contextual Information on Physician's Categorizations of Sensitive Data
Chair	BMI	Anton Voronov	2023	Pediatric Consents on FHIR
Chair	BMI	Maheswari Eluru	2023	Research Consents on FHIR
Chair	Health Informatics	Ali Ali	2023	Duplicate therapy medication alerts quality improvement
Chair	Biomedical Informatics	Savannah Griffin	2023	Systematic review of Android mobile apps for COVID-19 vaccination
Chair	Biomedical Informatics	Isca Amanda	2023	Systematic review of iOS mobile apps for COVID-19 vaccination
Chair	Health Informatics	Oliver Goal	2023	HEDIS metrics for substance use disorder treatment
Chair	Biomedical Informatics	Rishika Sharma	2022	Text-message intervention for remote hypertension monitoring
Chair	Biomedical Informatics	Venkata Pragada	2022	Physicians Differ in their Perceptions of Sensitive Medical Records: Interview Study
Chair	Biomedical Informatics	Ipsha Banerjee	2022	Physicians Differ in their Perceptions of Sensitive Medical Records: Survey and Interview Study
Chair	Health Informatics	Jennifer Afuakwa	2021	Review and assessment of smartphone applications for COVID-19

Chair	Biomedical Informatics	Tina Kaing	2021	Evaluating perceptions and preferences on granular data sharing in patients with behavioral health conditions
Chair	Biomedical Informatics	Alexandra Kassis	2021	Workflow-Driven Microarray Laboratory Information System at a Biotech Startup
Chair	Biomedical Informatics	Alexander Alvarez	2021	Implement and evaluation of online scheduling in a podiatric group
Chair	Biomedical Informatics	Amna Fares	2021	Metrics and reporting for machine-assisted utilization management program
Chair	Biomedical Informatics	Basam Alasaly	2021	Medical devices digital twins and their supply chain management on the blockchain
Member	Computer Science	Kaushal Mhalgi	2021	Medical devices digital twins and their supply chain management on the blockchain
Chair	Health Informatics	Osa Crago	2020	Clinical trial recruitment app design
Chair	Health Informatics	Jason Bryan	2020	Blockchain-based system for inventory and traceability with application in medical device supply chain management
Chair	Computer Science	Manish Vishnoi	2020	MedFabri4Me: Blockchain-based patient-centric Electronic Health Record system
Chair	Computer Science	Aditya Deotale	2020	Automatic discovery of patient perioperative clinical pathways from event logs
Co-chair	BMI	Duncan Benjamin	2018	ROOT: Navigational Complexity in PeriOp Care
Co-chair	BMI	Nassim Idouraine	2018	What is a provider? Addressing the taxonomy conundrum
Chair	BMI	George Karway	2018	Comparing survey and app data to understand type 1 diabetes self-management behaviors
Chair	BMI	Krystal Corrette	2018	Interview analysis of personalized type 1 diabetes interventions
Chair	BMI	Mike Bayuk	2018	Personalized type 1 diabetes interventions
Co-chair	BMI	Madhumita Mukundan	2018	Patient data categorization based on provider perspective
Chair	BMI	Wentao Zhou	2017	My Data Choices electronic consent engine
Chair	BMI	Marcela Aliste Gomez	2017	Design and Pilot Testing of an English and Spanish Behavioral Health Patient Survey on Data Privacy

Chair	BMI	Patricia Davis	2016	Understanding Arizona's controlled substance prescription drug monitoring program
Chair	BMI	Hiral Soni	2016	Self-management behaviors in adults on insulin pump therapy: What are patients really doing?
Co-chair	BMI	Freeman Jabari	2016	Evaluation of Thiopurine-TPMT pharmacogenomics rule and alert, Mayo Clinic experience
Chair	BMI	Srividya Mahankali	2016	Study to elicit behavioral health patients' and providers' opinions on health records consent
Chair	BMI	Varun Datt	2016	Drug5Rights: improving medication administration workflow
Chair	BMI	Satya Vemparala	2016	EverydayParenting: mobile application for parents
Chair	BMI	Danielle Groat	2015	Comparison of two tools, Phenotype Portal and PROM, for retrospectively checking clinical guideline compliance
Co-chair	BMI	Craig Cott	2015	A cognitively-driven, knowledge-based E.H.R. user interface design for outpatient psychiatry
Co-chair	BMI	Sahithya Dhamodharan	2015	A semantically enhanced clinical decision support artifact management repository prototype

UNDERGRADUATE STUDENTS MENTORED

<i>Role</i>	<i>Program</i>	<i>Trainee Name</i>	<i>Year</i>	<i>Research Project</i>
Co-chair, Barret Honor	BMI	Sanyam Paresh Shah	2024	Bioinformatics Poems
Chair	BMI	Hannah Kaufman	2023	Design of physician survey to assess the impact of context on data sensitivity categorizations
Co-chair, Barret Honor	Computer Science	Alexander Van Bussum	2023	Jenny Co's blockchain for genetic medical record sharing
Chair, Barret Honor	BMI	Daniel Mendoza	2023	A knowledge-driven, generalizable and automatic method to create medication code sets: opioid and antidepressant use cases
Chair	BMI	Hunter Dyer	2020	My Data Choices, recruitment of study participants
Chair, Barret Honor	BMI	Tina Kaing	2019	iDECIDE
Chair, Barret Honors	BMI	Idouraine Nassim	2018	My Data Choices

Chair	BMI	Hyo (Patrick) Kwon	2018	My Data Choices
Chair, Barret Honors	BMI	Aditya Ponnappalli	2018	Controlled substance prescription drug monitoring programs
Chair, Barret Honors	BMI	Megan Hiestand	2018	Behavioral health providers perspectives on health data sharing
Co-chair	BMI	Joshi Rajan	2015	Integration of Title 42 Code of Regulations Part 2 in Arizona's health information exchange
Co-chair	BMI	Emanuel Becquer	2015	Health plan participation and value proposition in Arizona's health information exchange

AWARDS RECEIVED BY MENTORED STUDENTS

- 2025** Herbold ASU A. Fulton Schools of Engineering Engineering Scholarship (\$10,000), Abhishek Singh Dhadwal
- 2023** Invited presentation for the Health Level 7 (HL7) Work Group Meeting in Phoenix, Maheswari Eluru
- 2023** Mayo Clinic and Barrett the Honors Special Research Student Appointment, Aishwarya Potturu
- 2022** American Medical Informatics Association (AMIA) Career Hub. Selected talk “A Shift from Peer Reviews to Public Review”, Venkata Sai Visalakshi Pragada
- 2022** American Medical Informatics Association Leadership and Educational Award Donation (LEAD) Fund Trainee Scholarship Award, Venkata Sai Visalakshi Pragada
- 2022** ASU Outstanding Graduate Student, George Karway
- 2022** ASU University Graduate Fellowship, George Karway
- 2021** ASU Outstanding Graduate Student, Basam Alasaly
- 2021** ASU University Graduate Fellowship, Benjamin Duncan
- 2021** ASU University Graduate Fellowship, George Karway
- 2021-2022** Journal of the American Medical Informatics Association (JAMIA) Student Editorial Board, George Karway
- 2021** American Medical Informatics Ph.D. Dissertation Award, selected as one of the six best biomedical informatics Ph.D. thesis in United States, Hiral Soni
- 2020** Nomination for the best student paper at the American Medical Informatics Association Annual Symposium, Lu Zheng
- 2020** ASU Outstanding Graduate Student, Hiral Soni
- 2020** Fulbright Study Abroad Program award, Megan Hiestand
- 2019** Community Choice Award at the NuCypher + CoinList Spring Hackathon, Manish Vishnoi
- 2019** ASU Biological Sciences nomination for the 2019 Council of Graduate Schools ProQuest Ph.D. Distinguished Dissertation Awards, Danielle Groat. Appeared in the ASU News: <https://graduate.asu.edu/node/484>
- 2019** ASU University Graduate Fellowship, Hiral Soni
- 2018** ASU BMI and Mayo Clinic Employer Networking and Student event, best poster, Aditya Ponnappalli (undergraduate)
- 2018** American Medical Informatics Ph.D. Dissertation Award, nomination from the ASU Department of Biomedical Informatics, Daniel Groat
- 2018**

- 2016** Arizona Chapter of Health Information and Management Systems Society, best biomedical informatics student in Arizona, Hiral Soni
- 2016** ASU Outstanding Graduate Student, Daniel Groat
- 2015** American Diabetes Association Conference, poster selected for a moderated session, Danielle Groat
- Arizona Chapter of Health Information and Management Systems Society, best biomedical informatics student in Arizona, Danielle Groat

SERVICE

Journal Editorial Services

- 2022-present** Journal of Artificial Intelligence in Medicine, *editorial board*
- 2022-2025** Journal of Biomedical Informatics, *editorial board*
- 2021-2023** Health Informatics Journal, *associate editor*

International and National Expert Advisor

- 2025** AHRQ Clinical Decision Support Innovation Collaborative (CDSiC) with focus on Patient-Centered Clinical Decision Support
- 2024- present** Reporting of Studies Conducted using Observational Routinely-collected Data (RECORD), Machine Learning and AI Group, Canadian Institutes of Health Research, *advisor*
- 2024** Maryland Department of Health, Abortion Care Diagnosis, Procedure, and Medication Code Technical Guidance Document, *advisor*
- 2024-present** National SHIFT Consortium, Patient-Centered Clinical Decision Support (PC CDS), Clinical Terminology Workgroup, *chair*
- 2023- present** SHIFT Delphi Process on Patient-Controlled Granular Data Sharing, *expert member*
- 2023** Consumer and Pervasive Health Informatics Workgroup, American Medical Informatics Association (AMIA), *member at large*
- 2023-2024** Mayo Clinic and ASU MedTech Accelerator, *advisor*
- 2022** AHRQ Clinical Decision Support Innovation Collaborative (CDSiC), Patient Centered Clinical Decision Support, *advisor*
- 2018-present** Master in Informatics Academic Forum, American Medical Informatics Association (AMIA), *ASU lead*

American College of Medical Informatics (ACMI) Leadership Positions

- 2024-2025** Annual Retreat, *steering committee*

American Medical Informatics (AMIA) Leadership Positions

- 2026** AMIA Annual Symposium, *Vice Chair*
- 2025** Strategic Planning Task Force, *elected member*
- 2021-2022** Women in Leadership Training, Women in AMIA, *steering committee*
- 2021-2023** For Your Informatics (FYI) Podcast, *steering committee and podcast host*
- 2020-2022** Career Development for Women committee, Women in AMIA, *chair*

International and National Scientific Events

- 2025** AMIA Annual Summit, *scientific program committee member*
- 2023** Global Health, 12 International Conference on Global Health Challenges, Porto, Portugal, *program committee*
- 2023** HEALTHINFO 2023, Eight International Conference on Informatics and Assistive Technologies for Health-Care, Medical Support and Wellbeing, Valencia, Spain, *program committee*
- 2023** 21st International Conference of Artificial Intelligence in Medicine (AIME 2023), Portoroz, Slovenia, *program committee*
- 2023** 13th International Workshop on Knowledge Representation for Health Care (KR4H2023), Portoroz, Slovenia, *program committee*
- 2023** Fifteenth International Conference on eHealth, Telemedicine, and Social Medicine (eTELEMED 2023), Venice, Italy, *program committee*
- 2022** HEALTHINFO 2022, Seventh International Conference on Informatics and Assistive Technologies for Health-Care, Medical Support and Wellbeing, October 16-20, Lisbon, Portugal, *program committee*
- 2022** 10th International Conference on Global Health 2022, Valencia, Spain, November 13-17, *program committee*
- 2022** International Conference on Artificial Intelligence in Medicine (AIME 2022), Halifax, Canada, June 14-17, *senior program committee*
- 2021** HEALTHINFO 2021, Sixth International Conference on Informatics and Assistive Technologies for Healthcare, Medical Support and Wellbeing, October 3-2, Barcelona, Spain, *program committee*
- 2021** 9th International Conference on Global Health 2021, Barcelona, Spain, October 3-7, , *program committee*
- 2021** Thirteenth International Conference on eHealth, Telemedicine, and Social Medicine (eTELEMED 2021), Nice, France, *program committee*
- 2021** International Conference on Artificial Intelligence in Medicine (AIME 2021), Porto, Portugal, June 16-19, *doctoral consortium reviewer*
- 2021** International Conference on Artificial Intelligence in Medicine (AIME 2021), Porto, Portugal, June 16-19, *program committee*
- 2020** International Conference on Artificial Intelligence in Medicine (AIME 2020), Minneapolis, U.S.A., August 26-29, *senior program committee*
- 2020** HealthInfo 5th International Conference on Informatics and Assistive Technologies for Healthcare, Medical Support and Wellbeing, Porto, Portugal, October 18-22, Senior *program committee*
- 2019** 8th International Conference on Global Health 2019, Porto, Portugal, September 22-26, *program committee*
- 2019** HealthInfo 2019, 4th International Conference on Informatics and Assistive Technologies for Health-Care, Medical Support and Wellbeing, Valencia, Spain, November 24-28, *program committee*
- 2019** American Medical Informatics Association (AMIA) 2019 Annual Symposium, Washington, November 16-20, *scientific program committee*
- 2019** Eleventh International Conference on eHealth, Telemedicine, and Social Medicine (eTELEMED 2019), Athens, Greece, February 24 -28, *technical program committee*
- 2019** Artificial Intelligence in Medicine Conference (AIME 2019), Poznan, Poland, June 26-29, *program committee*

- 2018** 7th International Conference on Global Health 2018, Athens, Greece, November 18-22, ,
program committee
- 2018** 10th International Conference on eHealth, Telemedicine, and Social Medicine (eTELEMED) 2018, Rome, Italy, March 25-29, *program committee*
- 2018** AMIA Informatics Educator Forum, *program committee*
- 2017** 6th International Conference on Global Health 2017, Barcelona, Spain, November 12-16,
program committee
- 2017** HealthInfo 2017, 2th International Conference on Informatics and Assistive Technologies for Health-Care, Medical Support and Wellbeing, Athens, Greece, October 8-12, *program committee*
- 2017** Artificial Intelligence in Medicine Conference (AIME 2017), Vienna, Austria, June 21-24
Program committee, Artificial Intelligence in Medicine Conference (AIME 2015), Pavia, Italy, June 17-20, *program committee*
- 2014** 6th International Workshop on Knowledge Representation for Health Care (KR4HC'14).
Vienna, Austria, July 21, *program committee*
- 2014** 7th International Workshop on Process-oriented Information Systems in Healthcare (ProHealth'14). Haifa, Israel, September, *program committee*
- 2013** Artificial Intelligence in Medicine Conference (AIME 2013), Murcia, Spain, May 29-June 1, *program committee*
- 2013** 6th International Workshop on Process-oriented Information Systems in Healthcare & 5th International Workshop on Knowledge Representation for Health Care (ProHealth'13 / KR4HC'13). Murcia, Spain, June 1, *program committee*
- 2012** 5th International Workshop on Process-oriented Information Systems in Healthcare & 4th International Workshop on Knowledge Representation for Health Care (ProHealth'12 / KR4HC'12). Tallinn, Estonia, September 13, *program committee*
- 2011** Artificial Intelligence in Medicine Conference (AIME 2011) Slovenia, July 2-7, *program committee*
- 2011** 3rd International Workshop on Knowledge Representation for Health-Care (KR4HC), Slovenia, 2-6 July, *organizing committee*
- 2011** ProHealth 2011, 4th International Workshop on Process-oriented Information Systems in Healthcare, 9th International Conference on Business Process Management (BPM'11) Clermont-Ferrand, France, August 29, *organizing committee*
- 2010** 2nd International Workshop on Knowledge Representation for Health-Care (KR4HC), 19th European Conference on Artificial Intelligence (ECAI 2010) Lisbon, Portugal, August 16, *organizing committee*
- 2010** International Conference on Health Informatics (HealthInf 2010) Rome, Italy, January 26-29, *session chair*
- 2008-2011** Centre of Information Systems and Applications (CISA) weekly seminars, School of Informatics of the University of Edinburgh, November 2008 - February 2011, *organizer*
- 2007** 1st International Conference on Language and Automata Theory and Applications LATA, March 29- April 4, 2007, Tarragona, Spain, *organizing committee*
- 2007-2008** Ph.D. School in Formal Languages and Applications weekly seminars, University Rovira i Virgili, *organizer*
- International and National Conference Reviewer*
- 2021** Yearbook of Medical Informatics, International Medical Informatics Association (IMIA)
- 2020-2022** American Medical Informatics Association (AMIA) Best Paper Award
- 2019** American Medical Informatics Association (AMIA) Clinical Informatics Conference, Seattle

- 2018** American Medical Informatics Association (AMIA) Year in Review, Consumer and Pervasive Health Informatics Working Group
- 2016-2017** Annual Biomedical Research Conference for Minority Students (ABRCMS)
- 2015-present** American Medical Informatics Association (AMIA) Annual Summit
- 2015** 15th Conference of Artificial Intelligence in Medicine (AIME), Pavia, Italy
- 2013** American Medical Informatics Association (AMIA) Summit on Clinical Research Informatics, San Francisco, US
- 2013-present** World Congress on Medical and Health Informatics (MEDINFO)
- 2012** 14th Conference of Artificial Intelligence in Medicine (AIME), Murcia, Spain
- 2012** American Medical Informatics Association (AMIA) Annual Symposium poster judge, Chicago, US
- 2012** IEEE International Conference on Healthcare Informatics, Imaging, and Systems Biology (HISB 2011), San Jose, US
- 2011** 13th World Congress on Medical and Health Informatics (MEDINFO), Cape Town, South Africa
- 2010** 8th International Conference on Practical Applications of Agents and Multi-Agent Systems (PAAMS 2010), Special Sessions and Workshops, Salamanca, Spain
- 2010**
- 2009** 2th Conference on Artificial Intelligence in Medicine (AIME'09), Verona, Italy

International and National Grant Reviewer

- 2025** NIH Small Business Innovation Research (SBIR) and Small Business Technology Transfer Research (STTR), *ad hoc member*
- 2025** NIH Special Emphasis Panel (SEP) on clinical data management, clinical informatics, and digital health, *co-chair and ad hoc member*
- 2023- 2025** AHRQ Health Care Research Training (HCRT) study section, *permanent member*
- 2023** AHRQ Office of Extramural Research, Education and Priority Populations (OEREP), special emphasis panel, *ad hoc member*
- 2022** NIH Center for Scientific Review, special emphasis panel, *ad hoc member*
- 2021- 2023** NIH Clinical Data Management and Analysis (CDMA) study section, *ad hoc member*
- 2020** NIH Biomedical Computing and Health Informatics study section, *ad hoc member*
- 2019** NIDA R43/R44 Blockchain Technology to Improve Substance Use Disorder Care, *ad hoc member*
- 2019** AHRQ R03 study section, *ad hoc member*
- 2019** Juvenile Diabetes Research Foundation (JDRF), *ad hoc member*
- 2016** Netherlands Organization for Scientific Research, *ad hoc member*
- 2012**

ASU Committees

- 2023- present** Grant Review Committee, ASU College of Health Solutions, *member*
- 2022- 2025** Committee of Committees, ASU College of Health Solutions, *chair*
- 2022-2023** JEDI Student Faculty Policy Committee, ASU College of Health Solutions, *member*
- 2022- 2025** CAHIIM Accreditation Committee for the CHS Master in Health Informatics Program, *member*
- 2022- present** BMI Academic Program Committee, ASU Biomedical Informatics Program, *member*
- 2021-2023** ASU University Senate Student-Faculty Policy Committee, *member*
- 2021** Research Day Planning Committee, ASU College of Health Solutions, *member*
- 2020-2022**

2019-2021	Senator for the ASU College of Health Solutions, <i>senator</i> . Lead the approval of ASU ACD 304-10 Course Syllabus policy to include recommended text on diversity, equity, and inclusion
2019-2021	Student Admission Committee for Biomedical Informatics, ASU College of Health Solutions, <i>member</i>
2019-present	Committee of Committees, ASU College of Health Solution, <i>member</i> Biomedical Informatics/Biomedical Diagnostics Faculty Meeting, ASU College of Health Solutions, <i>member</i>
2018-2021	Faculty Service, ASU College of Health Solution, <i>member</i>
2018	Fellowship Review Committee, mem, <i>member</i>
2018-2019	Success Hub Research, ASU College of Health Solutions, <i>member</i>
2016-2017	Faculty Recruitment Committee, ASU Biomedical Informatics, <i>member</i> Faculty Recruitment Committee, ASU Department Biomedical Informatics, <i>chair</i>
2014-2017	Standards and Grievances Committee, ASU College of Health Solutions, <i>member</i>
2014-2016	Faculty Recruitment Committee, ASU Department of Biomedical Informatics, <i>member</i>
2014	Academic Program Committee, ASU Department of Biomedical Informatics, <i>member</i>

LANGUAGES

- Spanish – native speaker
- English - fluent
- Catalan - good