CURRICULUM VITAE
MARIA ADELA GRANDO, PhD, FAMIA, FACMI
agrando@asu.edu
Associate Professor, Tenured
College of Health Solutions
Biomedical Informatics

AREAS OF SCIENTIFIC EXPERTISE
Clinical informatics, with a focus on:
- Patient-centered technology
- Mobile health
- Data privacy
- Clinical workflows

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

2022-present   **Director of Research Education**
College of Health Solutions
Arizona State University, Arizona

2021-present   **Informatics Lead, Core Faculty**
Clinical Informatics Fellowship**,** HonorHealth, Arizona

2020-present   **Associate Professor, tenured**
Biomedical InformaticCollegeege of Health Solutions
Arizona State University, Arizona
Workload= 40% research, 40% teaching, 10% service, 10% administration

2016-present   **Faculty**
Barrett, the Honors College
Arizona State University, Arizona

2014-present   **Adjunct Assistant Clinical Professor of Medicine**
Mayo Clinic College of Medicine

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, Ph.D. 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, Ph.D. 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, Ph.D. and David Glasspool, PhD
1998-2003 **Lecturer**
Universidad Nacional de Rio Cuarto, Computer Science

PUBLICATIONS
- Autor type: ‡ indicates the post-doc 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. 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. Zhao, **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. Impact factor: 2.8.
2. 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*. Available online at https://journals.sagepub.com/doi/10.1177/14604582231193519. Impact factor: 3.0.
3. 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. Impact factor: 3.0.
4. 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*. Impact factor: 0.774.
5. 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*. Impact factor: 4.39.
6. 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*. Impact factor: 4.39.

7. **M. A. Grando**, J. Ancker, D. Tao, R. Howe, C. Coonan, M. Johsn, 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. Impact factor: 7.942. **Selected for the 2022 Informatics Year in Review, American Medical Informatics Association's Annual Symposium.**

8. **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.* Impact factor: 6.317.

9. *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. Impact factor: 1.8.

10. 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. Impact factor: 4.647.

11. 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. Impact factor: 2.934.

12. **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. Impact factor: 2.934.

13. 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. Impact factor: 6.317.

14. 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.

15. **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. Impact factor: 4.046.

16. 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 Impact factor: 2.838.

17. H. Soni, **M. A. Grando***, A. Murcko, *S. Diaz*, M. Mukundan, *N. Idouraine*, G. Karway, M. Todd, D. Chern, C. Dye, M. J. Whitfiled (2019) 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. Impact factor: 6.317.

18. 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. Impact factor: 2.838.

19. J. Ivanova, **M. A. Grando***, A. Murcko, M. Saks, M. J. Whitfield, C. Dye, D. Chern (2019) Mental Health Professionals' Perceptions on Patients Control of Data Sharing. *Health Informatics Journal* 26(3):2011-2029. Impact factor: 2.934.

20. **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. Impact factor: 2.934.

21. 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. Impact factor: 1.029.

22. **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 Technolog*y 13 (6): 1142-1148. Impact factor: 2.677.

23. 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 Outco*mes 23;3(3):319-326.

24. ‡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 Informatic* 9(4):919-926. Impact factor: 2.838

25. 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.

26. ‡D. Groat, **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. Impact factor: 2.838.

27. 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 Technolog*y 12(2): 412-414. Impact factor: 2.677.

28. 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. Impact factor: 2.677.

29. **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. Impact factor: 0.986.

30. 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. Impact factor: 2.677.

31. **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. Impact factor: 2.677.

32. **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. Impact factor: 5.326.

33. **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. Impact factor: 6.317.

34. **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. Impact factor: 5.326.

35. **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. Impact factor: 5.326.

36. **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. Impact factor: 6.317.
37. **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. Impact factor: 0.658.

Journal manuscripts in-review process

38. *D. Mendoza*, I. Amanda, L. Zhao, **M. A. Grando** (2023) Knowledge-based, reusable method to create opioid and antidepressant medication code sets. *Applied Clinical Informatics.* ACCEPTED with revisions.
39. I. Amanda, S. Graffin, **M. A. Grando** (2023) Systematic Review of Data Privacy Risks in COVID-19 Apps with Digital Vaccination Certifications. *Digital Health.* ACCEPTED with revisions.
40. A. Voronov, M. Jafari, L. Zhao, Q. Hong, J. Pope, D. Chern, M. Lipman, **M. A. Grando** (2023) Pediatric Consent on FHIR. *Applied Clinical Informatics.* Impact factor: 2.47. ACCEPTED with revisions.
41. *D. Mendoza*, I. Amanda, E. Kalpas, **M. A. Grando** (2023) A knowledge-driven, generalizable and automatic method to crate medical code sets: opioid and antidepressant use cases. *Applied Clinical Informatics.* Impact factor: 2.47. ACCEPTED with revisions.
42. O. E. Goal, I. Amanda, **M. A. Grando** (2023) A Scoping Review of Healthcare Effectiveness Data and Information (HEDIS) Substance Use Disorder Measures (2023) *Substance Abuse*. Impact factor: 3.9. Under review.

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. L. Zheng, B. J. Duncan, D. R. Kaufman, S. K. Furniss, **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.**
2. B. J. Duncan, D. R. Kaufman, L. Zheng, **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.
3. 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
4. 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
5. 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

6. *A. Ponnapalli*, **M. A. Grando**, A. Murcko, P. Wertheim (2018) Systematic Literature Review of Prescription Drug Monitoring Programs. AMIA Annu Symp 2018, November 3-7

7. **M. A. Grando**, A. Manataki‡, S. K. Furniss, <u>B. Duncan, A. Solomon</u>, 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

8. <u>B. Duncan, A. Solomon</u>, 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

9. <u>H. Soni</u>, **M. A. Grando***, A. Murcko, <u>M. Bayuk, P. Chandrashekar, M. Mukundan, M. Abrams, M. P. Aliste</u>, *M. Hiestand*, <u>J. Varkey, W. Zhou</u>, *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

10. **M. A. Grando**, <u>D. Groat</u>, <u>S. K. Furniss</u>, <u>J. Nowak</u>, <u>R. Gaines</u>, 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

11. 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

12. <u>S. K. Furniss</u>, 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

13. D. R. Kaufman, <u>S. K Furniss</u>, **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

14. <u>B. Lloyd, D. Groat</u>, 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

15. <u>L. Johnstun, D. Groat, A. Bhalla</u>, K. J. Peterson, J. Pathak, **M. A. Grando** (2014) Using Phenotype Portal for Checking Clinical Guideline Recommendation Compliance. AMIA Annu Symp 2014

16. 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

17. S. Farrish, **M. A. Grando** (2013) Ontological Approach to Reduce Complexity in Polypharmacy. AMIA Annu Symp 2013; 2013: 398-407

18. **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

19. **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

20. **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

21. <u>A. Maghraby</u>, 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

22. <u>A. Maghraby</u>, 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)

23. ‡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

24. A. O. Maghraby, D. Robertson, **M. A. Grando**, M. Rovatsos (2011) Bridging the Specification-Protocol Gap in Argumentation. 5th Saudi International Conference (SIC2011)

25. **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

26. **M. A. Grando**, M H. Schonenber, 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

27. **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

28. **M. A. Grando**, M H. Schonenber, W. van der Aalst (2011), Semantic Process Mining for the verification of medical recommendations. International Conference of Health Informatics HealthInf (Rome, Italy)

29. **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

30. 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

31. ‡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

32. **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

33. 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

34. **M. A. Grando**, C. Walton (2006). The MAPa Language of Agent Dialogues. Fifth International Joint Conference on Autonomous Agents & Multi Agent Systems (AAMAS06), Hakodate, (Japan): 1375 – 1377

35. G. Bel-Enguix, **M. A. Grando***, M. D. Jimenez-Lopez (2006). Distributed Protocols and Distributed Grammars: Two Theories for Agent Communication. AAMAS Workshop on Agent Communication (A.C. 2006) Japan: 35-49

36. **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

37. **M. A. Grando**, C. Walton (2006) Specifying Protocols for Knowledge Transfer and Action Restriction in Multiagent Systems. 10th International Workshop on Cooperative Information Agents (CIA2006) Edinburgh (U.K.), Lecture Notes in Artificial Intelligence 4149, Springer Verlag

38. 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

39. H. Dediu, **M. A. Grando** (2005) Eco-grammar systems as models for Parallel Evolutionary Algorithms. SAGA-2005, 3rd. Symposium on Stochastic algorithms, foundations and applications, Moscow (Russia), Proceedings SAGA-2005, Stochastic Algorithms: Foundations and Applications, Lecture Notes in Computer Science 3777 Springer: 228-238

40. 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

41. M. A. Grando, V. Mitrana (2004) A possible connection between two theories: Grammar Systems and Conpresent Programming. Grammar System Week 2004 Hungary, Proc. Grammar System Week: 200-211

42. 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)

43. 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)

44. E. Acosta, M. Uva, **M. A. Grando***, D. Riesco, N. Debnath (2002). An extension of UML Activity Graph Metamodel based on the Workflow Metamodel. 31 Argentinian Conference in Informatics (JAIIO), Argentina

Book chapters, peer-reviewed

1. 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. Rozemblum and D. Bates editors, Walter de Gruyter, ISBN-10: 1614515921

2. 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

Posters, presentations, panels, workshop and abstracts, peer-reviewed

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

2. A. Grando, M. Jafari, J. Moehrke, C. Sarabu, L. Zhao (2023). Panel on Consent Management and Enforcement Panel: Clinical and Technological Challenges and Solutions, AMIA Annual Symposium, New Orleans.

3. 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). Workshop on Accessibility in Healthcare for Improved Diversity, Equity, and Inclusion: Co-design of Person-centered Informatics Solutions, AMIA Annual Symposium, New Orleans.

4. 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.

5. 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.

6. 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.

7. 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

8. 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

9. *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

10. T. Tang, *N. Idouranie*, J. Ivanova, H. Soni, A. Murcko, **M. A. Grando**, D. Chern, C. Dye, M. J. Withfield (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

11. *S. Ponnapalli*, 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

12. 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

13. **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

14. **M. A. Grando**, M. Bayuk, D. Groat, B. Thompson (2018). MiniMed 670G: Results from a User Experience Survey. Diabetes Technology Meeting

15. **M. A. Grando**, M. Bayuk, D. Groat, B. Thompson (2018). Self-reported behaviors among insulin pump users. Diabetes Technology Meeting

16. *A. Ponnapalli*, **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**

17. 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

18. M. Wallace, B. Ruddy, H. Fields, A. Murcko, **M. A. Grando**, P. Davis, *A. Ponnapalli*, M. Buras (2018). Chronic Opioid Therapy (C.O.T.) Guideline Implementation: Stakeholder Impact. AMIA Clinical Informatics 2018

19. 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

20. 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

21. 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

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). Behavioral Health Provider Perspectives on Health Data Sharing. AMIA Annu Symp 2017

23. *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

24. 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**

25. 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

26. 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

27. 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.

28. 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

29. 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

30. S. Dhamodharan, **M. A. Grando**, D. Sottara (2014). A Semantically Enhanced Clinical Rules Management Repository Prototype. AMIA Annu Symp 2014

31. 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

32. E. Bell, **M.A. Grando**, L. Ohno-Machado (2014). A Pilot Evaluation of Patient Data Sharing Preferences. AMIA Joint Summits on Translational Science 2014

33. *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

34. ‡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

35. **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

36. **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

37. ‡L. Moss, **M. A. Grando** (2012). Helping a clinician understand anomalous patient responses to treatment. Symposium: Influencing People with Information (SIPI 2012), Aberdeen, Scotland

38. ‡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, **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

INVITED PRESENTATIONS

2023	CHS Health Talks, 24/7 Care Anywhere: Harnessing mobile devices and wearables to optimize treatment and prevent disease, January 19
2022	HonorHealth Clinical Informatics Fellowship. Workflow Modeling for Healthcare. December 7, Phoenix, Arizona
2022	HonorHealth Clinical Informatics Fellowship. Computer Programming Fundamentals. May 11, Phoenix, Arizona
2021	Royal College of Surgeons, Ireland. Do I want to share my sensitive health data? June 9, Ireland.
2021	HonorHealth Artificial Intelligence in Healthcare Symposium. Process Mining: How to discover processes hidden in the E.H.R. data. June 2, Phoenix, Arizona.
2020	The University of Melbourne, Center for Digital Transformation of Health. To Share or not to Share, that is the Question. October 15, Melbourne, Australia
2020	HonorHealth Epic Southwest User Group Meeting (SWUGM) 2020. How to Mine EPIC Event Logs: Mayo Clinic Experiences. February 28, Scottsdale, Arizona
2019	Keynote speaker for the 2019 FEP® (Blue Cross- Blue Shield) Technology Conference, Let's Collaborate. Clinical Informatics: How to collaborate and get value from big data. September 18, Tempe, Arizona
2019	Data-driven behavioral-change interventions to improve type 1 diabetes treatment adherence. July 29th, Mayo Clinic, Rochester, Minnesota
2019	Arizona Bioethics Network, Webinars. To Share or Not to Share (my data): That's only (part of) the question. February 20
2018	Arizona Osteopathic Medical Association (AOMA) 96th Annual Convention. Integrating

	Biomedical Informatics into the Clinical Practice: The Future is Now, 11-15 April, Scottsdale, Arizona
2017	Biomedical Ethics Program, Mayo Clinic. My Data Choices, evaluation of effective consent strategies for patients with behavioral health conditions, August 10, 2017, Rochester, Minnesota
2017	Health Information Management System Society (HIMSS) 2017, Federal Health Architecture Interoperability Showcase. Demonstration of C2Share Software, 19-23 February, Orlando, Florida
2017	Integrated Healthcare Conference, Interoperability Information Technology Solutions for Integrated Care, 7 March 7, 2017, Scottsdale, Arizona
2017	Fifth Annual Conference on Governance of Emerging Technology: Law, Policy and Ethics. Panel presentation on 'My Data Choices,' 17-19 May, Phoenix, Arizona
2017	SAMHSA Learning Collaborative on Delivering Information through Segmentation and Consent (DISC). Experiences on reusing C2Share software, 23 May, Bethesda
2017	AzHeC-SAMHSA Opioid Treatment Program SCP II Meeting. My Data Choices, 8 September, Phoenix, Arizona
2016	IKFC Clinical and Translational Science Ontology Affinity Group Workshop. Permission Ontology for informed consent and HIPAA compliance, 11-12 February, Orlando
2013	BRIGHT 2nd Biomedical Informatics Symposium. Informed Consent Management System, 20-22 August, Maputo, Mozambique
2012	Advancing Ethical Research Conference. Hot Off the Presses: Selected Posters on Innovative HRPP Programs and Research on Research Ethics. December 4-6, San Diego
2012	Marcus Evans Biobanking & Sample Management Strategies Conference. Panelist on 'Biobanking and Sample Management Strategies,' December 3-5, San Diego
2010	Technical University Eindhoven. Goal-based workflow specifications, 15 April, Eindhoven, Netherlands
2008	BioMedical Informatics Research Department, Stanford University. Petri Nets as a formalism for the study of workflow-based languages, October 30
2008	Software Systems and Processes talks, School of Informatics, Edinburgh University. PETRI NETS as a formalism for the study of workflow-based languages, October 21, Eindhoven, Netherlands
2008	VIII Congress on General Linguistics, Autonomous University of Madrid. Simulating dialogues with finite state transition systems, June 27, Madrid, Spain
2007	ForLing 2007, Workshop Non-Classical Formal Languages in Linguistics. Dialogues as extended finite transition systems, August 3, Budapest, Hungary
2007	Brooklyn College, City University of New York. Modeling human conversations: two approaches, February 23, New York
2007	Group of Mathematics and Linguistic Research (GRLMC), University Rovira i Virgili. Using Hoare logic to prove properties in grammar systems, June 12, Tarragona, Spain
2005	Centre of Information Systems and Applications, School of Informatics of the University of Edinburgh. Using L.C.C. protocol as a communication strategy in Eco-grammar systems, September 20, Edinburgh, U.K.
	Group of Mathematics and Linguistic Research (GRLMC), University Rovira i Virgili
2005	Modelling human conversation: two approaches, July 28, Tarragona, Spain

RESEARCH VISITS

2017	Mayo Clinic, Rochester (U.S.A.), Biomedical Ethics Program under the supervision of Dr. Sharp (July 10 to August 18)

2010	Technical University Eindhoven (Netherlands), Department of Mathematics and Computer Science under the supervision of Dr. Will van der Aalst (1 to 30 April)
2009	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)

VISITING MENTORED SCHOLARS

2018	Eoghan Mc Conalogue, Assistant Professor in the Department of Management, Dublin City University, Ireland
2017	Areti Manataki, Ph.D., Senior Researcher in the School of Informatics at the University of Edinburgh, United Kingdom, July-September
2017	Harri Honko, M.S.C., Tempere University of Technology, Finland, August 1 to 30

ONGOING FUNDING

2024-2028 **AHRQ Embedded Scholar program**
Southwest Safety Net Embedded Scientist Training and Research (SSNE-STaR) Center
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.
$4,999,755.00, Role Co-I

2023-2027 **National Institute on Drug Abuse**
SHARES: Substance use HeAlth REcord Sharing (2 R01 NS127170-06)
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

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 is to use mobile and wearable data to predict type 1 diabetes outcomes.
$100,000, Role: CO-I

2022-ongoing **HonorHealth, Clinical Informatics Fellowship**
Mentoring HonorHealth physicians who are pursuing the online ASU Master in Health Informatics.
$14,582.88 annually, Role: Faculty

COMPLETED FUNDING

2022-2023	**Equality Health Foundation**	
	Spanish language validation for socio-cultural risk assessment (SCRA)	

The purpose is to validate the Spanish SCRA with 300 Spanish speaker Equality Health patients.

$101,609, Role: CO-PI

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.
$2,063,956, PI: 25%

2018-2019   **Mayo Clinic AZ Center for the Science of Health Care Delivery and ASU Research Acceleration Grant**
Data-Driven Behavioral-Change Individualized Interventions to Improve Type 1 Diabetes (T1D) Treatment Adherence
Design and implement at the Mayo Clinic, personalized educational interventions to improve type 1 diabetes medication management
$348,226, Role: PI

2017-2019   **Mayo Clinic Office of Information and Knowledge Management**
ROOT (Registry Of Operations and Tasks)
$815,000, Co-I

2017   **Mayo Clinic-ASU Alliance Fellowship**.
Expenses support a 6-week research visit to Mayo Clinic, Biomedical Ethics Program, Rochester.
$5,072, Role: PI

2014-2016   **National Library of Medicine**
Patient-centered decision support based on device data (IDECIDE) (R21LM011667)
$275,000, Role: PI

2012   **Engineering and Physical Sciences Research Council (EPSRC), UK**
Computer-based modeling for safe intra-hospital patient transfers
£10,563, Role: Co-PI

2012-2013   **Patient-Centered Outcomes Research Institute (PCORI) (PCOInvNtw2012)**
Comprehensive Repository of Research Networks
Role: Postdoctoral fellow

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 (HHSA290200810010)**
Role: Postdoctoral fellow

2009   **Engineering and Physical Sciences Research Council (EPSRC), U.K.**
Travel grant

2007   **Ministry of Education and Science of Spain**
Travel grant

2006-2007	**Ministry of Education and Science of Spain**	
	Travel grant	
2005	**Ministry of Education and Science of Spain**	
	Travel grant	
2005-2008	**Ministry of Education and Science of Spain**	
	Ph.D. research fellowship	
2003-2004	**Rovira I Virgili University, Spain**	
	Ph.D. research fellowship	

HONORS AND AWARDS

2024- present	SHIFT Consortium, Patient Engagement Lead
2023	Fellow of the American College of Medical Informatics (ACMI)
2023	Inaugural Fellow of the ASU Center for Health, Information and Research (CHIR)
2023	Outstanding Faculty Mentor Master's Mentor ASU Graduate College
2022	Best paper "Design and Evaluation of a Women Informatics Leadership Development Program", Informatics Papers in Review, AMIA Annual Symposium
2021	Fellow of the American Medical Association
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
2019-2023	Nomination for the Best Faculty Mentor Award, ASU College of Health Solutions
2019	Trainee, AMIA Women in Leadership Training 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

SCIENTIFIC MEMBERSHIPS AND AFFILIATIONS

2015-present	Healthcare Information and Management Systems Society (HIMSS), Arizona Chapter
2012-present	American Medical Informatics Association (AMIA)

CHS AFFINITY NETWORKS

2019-present	Biomedical Informatics Affinity Network, Co-investigator

COURSES TAUGHT AT ASU

Period	*Type*	*Course*	*Credits*
2023 Spring	In-person, graduate	Health Informatics (BMI 601)	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 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

Period	*Type*	*Course*	*Credits*
2020 Fall	In-person, graduate	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

Faculty Name	*Position*	*Training Period*
Laurel Bruce	Clinical Assistant Professor, Speech and Hearing Science, CHS	2021- present

POSTDOCTORATES MENTORED

Faculty Name	*Position*	*Training Period*
Mengyi Wei	Posdoctoral fellow, for the SHARES grant	2023- present

Ph.D. STUDENTS MENTORED

Role	Trainee Name	Institution	Training Period	Current job
Member	Asiful Arefeen	ASU	2023-present	N.A.
Member	Kailey Love	ASU	2022-present	N.A.
Chair	George Karway	ASU	2019-2022	Postdoctorate Fellow, Barrow Neurological Institute
Chair	Benjamin Duncan	ASU	2018-2021	Specialist, Regulatory Affairs and Human Factors, West Pharmaceutical Services
Chair	Hiral Soni	ASU	2016-2020	Innovation Associate, doxy.me
Chair	Danielle Groat	ASU	2015-2017	Assistant Professor, Intermountain Healthcare
Co-chair	Stephanie Furniss	ASU	2015-2017	Data Science Manager, ASU
Co-chair	Ashwag Omar Maghraby	Edinburgh University	2011-2013	Assistant Professor, Computer Science, Umm Al-Qura University, Saudi Arabia
Co-chair	Shahriar Bijani	Edinburgh University	2010	Assistant Professor, Head of Computer Science Department, Shahed University

MEDICAL DOCTOR STUDENTS AND CLINICAL INFORMATICS FELLOWS MENTORED

Role	Program	Trainee Name	Training Period
Co-chair	Clinical Informatics Fellowship, HonorHealth	Kumar Nagarjan, MD	2023-present
Co-chair	Clinical Informatics Fellowship, HonorHealth	Collin Pitts, MD	2023-present
Co-chair	Clinical Informatics Fellowship, HonorHealth	Ben Gifford, DO	2022-present
Co-chair	Clinical Informatics Fellowship, HonorHealth	Lin Zhao, MD	2022-present
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
Chair	Research Distinction Track, College of Medicine, University of Arizona	Tianyu Tang, MD student	2018-2020

MASTER STUDENTS MENTORED AT ASU

Role	Program	Trainee Name	Training Period	Research Project
Chair	BMI	Daniel Mendoza	2023-2024	SHARES
Chair	BMI	Hannah Kaufman	2023-2024	SHARES
Chair	BMI	Anton Voronov	2023	Pediatric Consents on FHIR

Chair	BMI	Maheswari Eluru	2023	Resarch 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	My Data Choices
Chair	Biomedical Informatics	Ipsha Banerjee	2022	My Data Choices
Chair	Health Informatics	Jennifer Afuakwa	2021	Review and assessment of smartphone applications for COVID-19
Chair	Biomedical Informatics	Tina Kaing	2021	My Data Choices
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

Co-chair	BMI	Nassim Idouraine	2018	My data Choices
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	My Data Choices
Chair	BMI	Wentao Zhou	2017	My Data Choices
Chair	BMI	Marcela Aliste Gomez	2017	My Data Choices
Chair	BMI	Patricia Davis	2016	Understanding Arizona's controlled substance prescription drug monitoring program
Chair	BMI	Hiral Soni	2016	iDECIDE
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 AT ASU

Role	Program	Trainee Name	Year	Research Project
Chair	BMI	Hannah Kaufman	2023	SHARES
Co-chair, Barret Honor[1]	Computer Science	Alexander Van Bussum	2023	Jenny Co's Blockchain

---

[1] Barrett Honors is a special program that requires a thesis defense.

Chair, Barret Honor	BMI	Daniel Mendoza	2023	SHARES
Chair	BMI	Hunter Dyer	2020	My Data Choices
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 Ponnapallli	2018	Controlled substance prescription drug monitoring programs
Chair, Barret Honors	BMI	Megan Hiestand	2018	My Data Choices
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

OTHER TEACHING & PEDAGOGICAL CONTRIBUTIONS

2022   *Invited Speaker:*'Patient-Controlled Granular Data Sharing of Medical Records' for BMI 461 undergraduate, in-person course, ASU

2021   *Invited Speaker:*'To Share or not to Share? That is the Question' for BMI 461 undergraduate, in-person course, ASU

2020   *CHS teaching peer review:* review of POP 100 course and outcome report

2020   *Invited Speaker:* 'Behavioral Health Professionals' Views on Granular Data Sharing' for BMI 570 graduate, in-person course, ASU

2020   *Invited Speaker:* 'Team Work Approach to Improve Type 1 Diabetes Treatment Adherence' for BMI 332 graduate, in-person course, ASU

2018-2020   *Invited Speaker:*'Data-Driven Behavioral-Change Interventions to Improve Type 1 Diabetes Treatment Adherence' for BMI 461 undergraduate, in-person course, ASU

2016 -2017   *Invited Speaker*: 'Introduction to the Unified Modeling Language' for BMI 332 graduate, in-person course, ASU

2016   *Invited Speaker*: 'Introduction to Workflow Modelling,' for BMI 221 undergraduate, in-person course, ASU

2015   *Invited Speaker*: 'A light introduction to Consumer Health Informatics,' for BMI 101 undergraduate, in-person course, ASU

2014-2015   *Invited Speaker*: 'How to build your own Clinical Decision Support System?' for BMI 501 graduate, in-person course, ASU

2014   *Invited Speaker*: 'A light introduction to Consumer Health Informatics,' for BMI 101 undergraduate, in-person course, ASU

2012   *Invited Speaker:* 'Introduction to Knowledge Representation,' 'Introduction to Ontologies' for graduate, in-person course on Clinical Decision Support, Division Biomedical Informatics, University of California, San Diego

2012

2012	*Invited Speaker*: 'Introduction to Protege and O.W.L.' for graduate, in-person course on Modeling clinical data and knowledge for computation, Division Biomedical Informatics, University of California, San Diego
2012	*Supervision of San Diego Super Computer summer intern*. Division of Biomedical Informatics, University of California, San Diego
2010	*Supervision of iDASH graduate summer intern*. Division of Biomedical Informatics, University of California, San Diego
	Supervision of San Diego Super Computer summer interns. Division of Biomedical Informatics, University of California, San Diego
2009	*Invited speaker*: 'Contributions of Formal Language to the Theory of Dialogues' for in-person course Introduction to Language and Computation, an undergraduate degree in Linguistics, Rovira i Virgili University, Spain
2002	*Teaching Assistant*: Introduction to programming and Advanced programming, undergraduate, in-person courses in Computer Science, UNRC, Argentina
1998-2001	*Tutor of undergraduate courses:* Introduction to programming, Advanced programming, Data Bases, and Algebra, for the undergraduate, in-person courses in Computer Science, UNRC, Argentina

AWARDS RECEIVED BY MENTORED STUDENTS

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 Ponnapalli (undergraduate)

2018	American Medical Informatics Ph.D. Dissertation Award, nomination from the ASU Department of Biomedical Informatics, Daniel Groat
2018	Arizona Chapter of Health Information and Management Systems Society, best biomedical informatics student in Arizona, Hiral Soni
2016	ASU Outstanding Graduate Student, Daniel Groat
2016	American Diabetes Association Conference, poster selected for a moderated session, Danielle Groat
2015	Arizona Chapter of Health Information and Management Systems Society, best biomedical informatics student in Arizona, Danielle Groat

PEDAGOGICAL SCHOLAR CONTRIBUTIONS

2020	Panelist, "Training Women for Leadership in Informatics and Digital Health: A Report from the Inaugural Women in AMIA Leadership Program," AMIA Annual Symposium, November 14-18, Virtual Event
2019	Session Chair, "Improving Graduate Education in Health Informatics," AMIA Informatics Educator Forum Conference, June 18-20, St Louis, Missouri
2019	Panelist, "Informatics for Undergraduates: View from the Trenches," AMIA Informatics Educator Forum Conference, June 18-20, St Louis, Missouri
2019	Poster on "Applying evidence-based effective teaching practices: lessons learned," AMIA Informatics Educator Forum Conference, June 18-20, St Louis, Missouri
2018-present	ASU representative, AMIA Full Academic Forum Member Program for the Professional Master's Educators group
2018	Session chair, "Strategies for Curriculum Development" panel, AMIA Informatics Educator Forum, June 20, New Orleans, Louisiana
2018	Panel chair, "How to better prepare informatics students to succeed in the workforce?", AMIA Informatics Educator Forum, June 19, New Orleans, Louisiana
2018	Program Committee, AMIA Informatics Educator Forum

PEDAGOGICAL & CURRICULUM DEVELOPMENT TRAINING

2022	ASU Teacher Talk, Academic Integrity, November 17, 60 minutes
2022	ASU Remote, The Connected Faculty Summit, two days
2022	Health Informatics Accreditation Program Training, CAHIIM, 130 minutes
2021	Recording Effective Microlectures, ACUE online, 60 minutes
2021	Planning and Facilitating Quality Online Discussions, ACUE online, 60 minutes
2021	Examining and Mitigating Implicit Bias, ACUE online, 60 minutes
2020	VoiceThread in Canvas, ASU Online, 90 minutes
2019- 2022	American Medical Informatics Association (AMIA) Linking Informatics and Education Academic Forum Conference (LIEAF), 1 to 2 days (depending on the year)
2018	Effective Teaching Practices Certification, ACUE, six months online course
2018	Canvas Training, ASU College of Health Solutions, 3 hours in-person
2016	Teaching Internship and Best Practices in University Teaching (EXW 784), ASU College of Health Solutions, one-semester in-person course

SERVICE

Journal Editorial Services

2023	Guest Editor, Special Issue on Human-Centered Artificial Intelligence, Journal of Artificial Intelligence in Medicine- Impact factor 5.326
2022-present	Editorial Board, Journal of Artificial Intelligence in Medicine- Impact factor 5.326

2022-present Editorial Board, Journal of Biomedical Informatics – Impact factor 6.317 (#3 journal out of 30 in Medical Informatics)
2021-2023 Associate Editor, Health Informatics Journal –Impact factor 2.932

Journal Reviewer
- American Journal of Drug and Alcohol Abuse
- Applied Clinical Informatics
- Applied Sciences
- Data
- Endocrine and Metabolic Science
- Health Informatics
- Hispanic Healthcare International
- Health Affairs
- Journal of the American Medical Informatics Association
- Journal of Artificial Intelligence in Medicine
- Journal of Biomedical Informatics
- Journal of Computers in Biology and Medicine
- Journal of Computer Methods and Programs in Biomedicine
- Journal of Multidisciplinary Healthcare
- New England Journal of Medicine

International and National Committees
2023 American Medical Informatics Association (AMIA), Consumer and Pervasive Health Informatics Working Group, member at large
2021 International Medical Informatics Association (IMIA) Yearbook of Medical Informatics, reviewer
2020-2022 American Medical Informatics (AMIA), Best Paper Award Committee
2018-present American Medical Informatics Association (AMIA), Academic Forum
2016-2022 American Medical Informatics Association (AMIA), Consumer and Pervasive Health Informatics Working Group, Clinical Decision Support Working Group and Mental Health Working Group, member

International and National Scientific Events
2023 Panelist and Moderator, Consent Management and Enforcement Panel, Clinical and Technological Challenges and Solutions, American Medical Informatics Association Annual Symposium
2023 Program committee, Global Health, 12 International Conference on Global Health Challenges, Porto, Portugal.
2023 Program committee, HEALTHINFO 2023, Eight International Conference on Informatics and Assistive Technologies for Health-Care, Medical Support and Wellbeing, Valencia, Spain.
2023 Program committee, 21st International Conference of Artificial Intelligence in Medicine (AIME 2023), Portoroz, Slovenia
2023 Program committee, 13th International Workshop on Knowledge Representation for Health Care (KR4H2023), Portoroz, Slovenia
2023

	Program committee, Fifteenth International Conference on eHealth, Telemedicine, and Social Medicine (eTELEMED 2023), Venice, Italy
2022	Program committee, HEALTHINFO 2022, Seventh International Conference on Informatics and Assistive Technologies for Health-Care, Medical Support and Wellbeing, October 16-20, Lisbon, Portugal
2022	Program committee, 10th International Conference on Global Health 2022, Valencia, Spain, November 13-17
2022	Senior program committee, International Conference on Artificial Intelligence in Medicine (AIME 2022), Halifax, Canada, June 14-17
2021	Program committee, HEALTHINFO 2021, Sixth International Conference on Informatics and Assistive Technologies for Healthcare, Medical Support and Wellbeing, October 3-2, Barcelona, Spain
2021	Program committee, 9th International Conference on Global Health 2021, Barcelona, Spain, October 3-7
2021	Program committee, Thirteenth International Conference on eHealth, Telemedicine, and Social Medicine (eTELEMED 2021), Nice, France.
2021	Doctoral consortium reviewer, International Conference on Artificial Intelligence in Medicine (AIME 2021), Porto, Portugal, June 16-19
2021	Program committee, International Conference on Artificial Intelligence in Medicine (AIME 2021), Porto, Portugal, June 16-19
2020	Senior program committee, International Conference on Artificial Intelligence in Medicine (AIME 2020), Minneapolis, U.S.A., August 26-29
2020	Program committee, HealthInfo 5th International Conference on Informatics and Assistive Technologies for Healthcare, Medical Support and Wellbeing, Porto, Portugal, October 18-22
2019	Program committee, 8th International Conference on Global Health 2019, Porto, Portugal, September 22-26
2019	Program committee, HealthInfo 2019, 4th International Conference on Informatics and Assistive Technologies for Health-Care, Medical Support and Wellbeing, Valencia, Spain, November 24-28
2019	Scientific Program Committee, American Medical Informatics Association (AMIA) 2019 Annual Symposium, Washington, November 16-20
2019	Technical program committee, Eleventh International Conference on eHealth, Telemedicine, and Social Medicine (eTELEMED 2019), Athens, Greece, February 24 - 28
2019	Program committee, Artificial Intelligence in Medicine Conference (AIME 2019), Poznan, Poland, June 26-29
2018	Program committee, 7th International Conference on Global Health 2018, Athens, Greece, November 18-22 Program committee, 10th International Conference on eHealth, Telemedicine, and Social Medicine (eTELEMED) 2018, Rome, Italy, March 25-29
2017	Program committee, 6th International Conference on Global Health 2017, Barcelona, Spain, November 12-16
2017	Program committee, HealthInfo 2017, 2th International Conference on Informatics and Assistive Technologies for Health-Care, Medical Support and Wellbeing, Athens, Greece, October 8-12
2015	Program committee, Artificial Intelligence in Medicine Conference (AIME 2017), Vienna, Austria, June 21-24

2015	Program committee, Artificial Intelligence in Medicine Conference (AIME 2015), Pavia, Italy, June 17-20
2014	Program committee, 6th International Workshop on Knowledge Representation for Health Care (KR4HC'14). Vienna, Austria, July 21
2014	Program committee, 7th International Workshop on Process-oriented Information Systems in Healthcare (ProHealth'14). Haifa, Israel, September
2013	Program committee, Artificial Intelligence in Medicine Conference (AIME 2013), Murcia, Spain, May 29-June 1
2013	Program committee, 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
2012	Program committee, 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
2011	Program committee, Artificial Intelligence in Medicine Conference (AIME 2011) Slovenia, July 2-7
2011	Organizing committee, 3nd International Workshop on Knowledge Representation for Health-Care (KR4HC), Slovenia, 2-6 July
2011	Organizing committee, 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
2010	Organizing committee, 2nd International Workshop on Knowledge Representation for Health-Care (KR4HC), 19th European Conference on Artificial Intelligence (ECAI 2010) Lisbon, Portugal, August 16
2010	Session chair, International Conference on Health Informatics (HealthInf 2010) Rome, Italy, January 26-29
2008-2011	Organizer of the Centre of Information Systems and Applications (CISA) weekly seminars, School of Informatics of the University of Edinburgh, November 2008 - February 2011
2007	Organizing committee, 1st International Conference on Language and Automata Theory and Applications LATA, March 29- April 4, 2007, Tarragona, Spain
2007-2008	Organizer of the Ph.D. School in Formal Languages and Applications weekly seminars, University Rovira i Virgili

International and National Conference Reviewer

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
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

2011	IEEE International Conference on Healthcare Informatics, Imaging, and Systems Biology (HISB 2011), San Jose, US
2010	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
2009	2th Conference on Artificial Intelligence in Medicine (AIME'09), Verona, Italy

International and National Grant Reviewer

2023- present	AHRQ Health Care Research Training (HCRT) study section, permanent member
2023	AHRQ Office of Extramural Research, Education and Priority Populations (OEREP), special emphasis panel
2022	NIH Center for Scientific Review, Special Emphasis Panel
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
2016	Juvenile Diabetes Research Foundation (JDRF)
2012	Netherlands Organization for Scientific Research

International and National Expert Consultant

2023	SHIFT Delphi Process. Expert Consultant on Equitable Interoperability
2022	AHRQ, Clinical Decision Support Innovation Collaborative, Expert Consultant on Standard and Regulatory Framework for Patient-Centered Clinical Decision Support

ASU Committees

2023- present	Grant Review Committee, ASU College of Health Solutions, Member
2022- 2024	Committee of Committees, ASU College of Health Solutions, Chair
2022-2023	JEDI Student Faculty Policy Committee, ASU College of Health Solutions
2022- present	CAHIIM Accreditation Committee for the CHS Master in Health Informatics Program
2022- present	BMI Academic Program Committee, ASU Biomedical Informatics Program
2021-2023	ASU University Senate Student-Faculty Policy Committee
2021	Research Day Planning Committee, ASU College of Health Solutions
2020-2022	Senator for the College of Health Solutions, ASU
2019-2021	Student Admission Committee for Biomedical Informatics, ASU College of Health Solutions
2019-2021	Committee of Committees, ASU College of Health Solution, member
2019-present	Biomedical Informatics/Biomedical Diagnostics Faculty Meeting, ASU College of Health Solutions
2018-2021	Faculty Service, ASU College of Health Solution
2018-2021	Fellowship Review Committee, ASU Graduate College
2018	Success Hub Research, ASU College of Health Solutions
2018-2019	Faculty Recruitment Committee, ASU Biomedical Informatics
2016-2017	Faculty Recruitment Committee, ASU Department Biomedical Informatics, Chair
2014-2017	Standards and Grievances Committee, ASU College of Health Solutions
2014-2016	Faculty Recruitment Committee, ASU Department of Biomedical Informatics
2014	Academic Program Committee, ASU Department of Biomedical Informatics

INCLUSION & DIVERSITY

2023	Led the Workshop on Accessibility in Healthcare for Improved DEI, Co-design of Person-centered Informatics Solutions, American Medical Informatics Association Annual Symposium
2023	Led the ASU Senate revision and approval of the ASU ACD 304-10 Course Syllabus policy to include recommended text on diversity, equity, and inclusion
2023	Panelist, Women's Leadership Programs in the US, Australia, and UK: Success, Sustainability, and Scope, MEDINFO Conference, Australia, Sydney
2021-2023	ASU, CHS Justice, Equity, Diversity and Inclusion Council member with a focus on supporting students on JEDI issues
2021	ASU, CHS Biomedical Informatics Research Symposium, invited speaker for Inclusion of Behavioral Health Patients in Informatics
2021	Argentine Congress in Informatics and Health invited speaker for: Women in Informatics, We Need You!
2021	American Medical Informatics Association (AMIA) panelist for Women in AMIA-led Podcast and Focus on Diversity: Past, Present, and Future
2021	Enhanced Grant Writing Coaching Intervention for a Diverse Biomedical Workforce, National Research Mentoring Network (MRMN) Mock Review Session, reviewer
2021	American Medical Informatics Association (AMIA) Women in Leadership Training, Steering committee, American Medical Informatics Association (AMIA) Women in Informatics
2021-2022	FYInformatics Podcast Host, American Medical Informatics Association (AMIA) Women in Informatics
2021-present	ASU Faculty Women of Color Caucus, member
2020-2022	American Medical Informatics Association (AMIA) Women in Informatics, Networking, Mentoring and Life Cycle Committee, member
2020-2022	American Medical Informatics Association (AMIA) virtual event on "Career Development for Women," organizer
2020	American Medical Informatics Association (AMIA) Women in Leadership Training, videos to promote women in leadership

STUDENT RETENTION & RECRUITMENT

2023-present	ASU Graduate Faculty Mentor Academy, member
2022	CHS Faculty Engagement Event, Highland High School STEM Club, November 17
2022-present	Students of Biomedical Informatics (SOBMI) Student Group at CHS, Mentor-Mentee Program, mentor
2022	Students of Biomedical Informatics (SOBMI) Student Group at CHS, After the Degree, panelist
2021	Research Day, College of Health Solutions, organizing committee
2021	American Medical Informatics Association (AMIA) Virtual Informatics Summit, A Journey through the Pathways of AMIA Q&A Session for Students, panelist
2020	Biomedical Informatics Research Day, College of Health Solutions, organizing committee
2019	Students of Biomedical Informatics (SoBMI), College of Health Solutions, panelist on BMI research opportunities
2019	College of Health Solutions, student recruitment activity representing biomedical informatics program, June 28

2018	American Medical Informatics Association (AMIA) Informatics Educator Forum videos to promote ASU biomedical informatics programs: What do you enjoy most about BMI?, What will you do with BMI? American Medical Informatics Association (AMIA) Annual Symposium, student recruitment booth
2017-2019	Interview of prospective BMI Ph.D. students
2018- present	Health Current Summit and Trade Show, representative for biomedical informatics
2017	Annual Biomedical Research Conference for Minority Students (ABRCMS), judge
2016-2017	Florence Crittenton, INSPIRE speaker and role model for female students
2015	Kids Health Fair, volunteer as a Spanish translator
2014	Mountain Pointe High School, Women's Mentor Day, speaker
2014	Grace Hopper Conference, Women in Computer Science, student recruitment booth
2013	

ACADEMIC & PROFESSIONAL DEVELOPMENT

2023	American Medical Informatics Annual Symposium, November 11-15 (5 days)
2023	International Medical Informatics Conference, July 8-12 (5 days)
2023	Contexture, Arizona Health Information Exchange Summit and Trade Show, October 3 (1 day)
2022	NIH Grants Conference, December 6 and 7 (2 days)
2022	ASU Data Conference, November 1 and 2 (2 days)
2022	Contexture, Arizona Health Information Exchange Summit and Trade Show, September 19 and 20 (2 days)
2022	NIH Data Management and Sharing Policy Webinar Series, August 11 and September 22 (2 days)
2022	Health Information Management Systems Society (HIMSS) Annual Conference, March 14 to 18 (4 days)
2022	Medical Informatics Europe (MIE) Conference, May 27 to 30 (4 days)
2021	CHS Fast Healthcare Interoperability Resource (FHIR) Workshop, March 12 (1 day)
2020	American Medical Informatics (AMIA) Virtual Informatics Summit, March 23-26 (4 days)
2019-2020	American Medical Informatics (AMIA) Women in Leadership Program (12 months)
2019	Dissemination and Implementation Research Program, Arizona Biomedical Research Commission (ABRC), Arizona Department of Health Services (12 months)
2018	Research and Scholarship Group, ASU College of Health Solutions (4 months)
2017	Qualitative Data Analysis: The Basics, ASU Institute of Social Science Research (1 day)
2016	Academic Personnel Search Workshop, ASU Vice Provost for Academic Personnel (3 hours)
2016	Introduction to F.D.A. Investigational Device Exemption, ASU Office of Knowledge Enterprise Development (1 day)
2016	Workshop on University Promotion and Tenure Track Discussion, ASU Faculty Women's Association (2 hours)
2015	NIH Writing Conference, ASU Office of Knowledge Enterprise Development (1 day)

2012	Introduction to Biomedical Ontology for Clinical and Translational Research, The National Center for Biomedical Ontology (2 days)
2012	Introduction to Clinical Environments, Division of Biomedical Informatics, University of California, San Diego (4 months)
2012 **2012**	Statistics, Division of Biomedical Informatics, University of California San Diego (4 months)
2012	Intelligent Decision Support Systems: theory, algorithms, and applications, Advanced Course in Artificial Intelligence '09, United Kingdom (4 months)
2009	Software testing, Computer Science Department, UNRC, Argentina (1 day)
	Integration of formal methods in the process of software development, Computer Science Department, UNRC, Argentina (1 day)
2009	Verification of sequential and concurrent programs, Computer Science Department, UNRC, Argentina (1 day)
2003	Concurrent programming, Computer Science Department, UNRC, Argentina (1 day)
2002	Computational Complexity, Computer Science Department, UNRC, Argentina (1 day)
2001	Program calculus, Computer Science Department, UNRC, Argentina (1 day)
1999	Introduction to computability, Computer Science Department, UNRC, Argentina (1 day)
1998	Temporal logics and their applications in Computer Science, IV Argentinean Congress of Computer Science CACIC, Neuquen, Argentina (1 day)

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