



Hsiu An Lee, Ph.D.

1. Postdoctoral, National Health Research Institutes - The National Institute of Cancer Research
2. Secretary General, Asia-Pacific Association for Medical Informatics
3. Secretary General, Taiwan Association for Medical Informatics

Education

Ph.D., Computer Science and Information Engineering, Tamkang University, Taipei, Taiwan

Professional Experiences

1. Secretary General, Asia-Pacific Association for Medical Informatics
2. Secretary General, Taiwan Association for Medical Informatics

Selected Publications

1. Lee, Y.-L., et al., SEMRES-A triple security protected blockchain based medical record exchange structure. *Computer Methods and Programs in Biomedicine*, 2022. 215: p. 106595.
2. Lee, Y.-L., et al., Implement an international interoperable phr by fhir—A Taiwan innovative application. *Sustainability*, 2020. 13(1): p. 198.
3. Lee, H.A., et al., Design of a vaccine passport validation system using blockchain-based architecture: development study. *JMIR Public Health and Surveillance*, 2022. 8(4): p. e32411.
4. Lee, H.A., et al., Vaccine Passport-A blockchain-based architecture for a secure, tamper-resistant, privacy-enhanced credentialing mechanism of vaccination and verification of test results. 2022.
5. Lee, H.-A., et al., Establishing a survival probability prediction model for different lung cancer therapies. *The Journal of Supercomputing*, 2020. 76: p. 6501-6514.
6. Lee, H.-A., et al., An architecture and management platform for blockchain-based personal health record exchange: development and usability study. *Journal of Medical Internet Research*, 2020. 22(6): p. e16748.
7. Lee, H.-A., et al., Global infectious disease surveillance and case tracking system for COVID-19: development study. *JMIR medical informatics*, 2020. 8(12): p. e20567.
8. Lee, H.-A., et al., Precision nutrient management using artificial intelligence based on digital data collection framework. *Applied Sciences*, 2022. 12(9): p. 4167.
9. Lee, H.-A., K.-W. Chen, and C.-Y. Hsu, Prediction model for pancreatic cancer—A population-based study from NHIRD. *Cancers*, 2022. 14(4): p. 882.
10. Lee, H.-A., L.R. Chao, and C.-Y. Hsu, A 10-year probability deep neural network prediction model for lung cancer. *Cancers*, 2021. 13(4): p. 928.
11. Aljibe, M., et al., Community of interoperability labs: Pragmatic approach to achieving interoperability, in *MEDINFO 2023—The Future Is Accessible*. 2024, IOS Press. p. 38-42.