

Li-Hsing Tex Chi, D.D.S., Ph.D.

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Citizenship: Taiwan

Director (April 2021 - present)

Division of Oral and Maxillofacial Surgery, Department of Dentistry,
Wan Fang Hospital, Taipei Medical University

Attending physician (Jan. 2002 - present)

Division of Oral and Maxillofacial Surgery, Department of Dentistry,
Taipei Medical University Hospital
Taipei, Taiwan



Research interests

Biostatistics with R/Python/C++ for survival analyses and deep learning, biomedical informatics; cancer research in vitro and in vivo; mindfulness meditation, laser acupuncture; forensic medicine.

Education

Taipei Medical University and Academia Sinica Taipei, Taiwan
The Ph.D. Program for Translational Medicine Feb. 2013 – Jan. 2022
Mentors: Professors Yu-Chuan (Jack) Li, Michael Hsiao, Alexander T.H Wu.

Taipei Medical University Taipei, Taiwan
MS in Biomedical Informatics Sep. 2011 – Jan. 2013
Mentor: Professor Yu-Chuan (Jack) Li.

Taipei Medical University Taipei, Taiwan
BS in Dentistry Sep. 1988 – Jun. 1994

Honors and award

Best Paper Presentation Award - 3rd Prize, at Translational Medicine Program Retreat (Academia Sinica, Taiwan) 2017

Presentation

A Transcriptomic Analysis of Head and Neck Squamous Cell Carcinomas for Prognostic Indications Sep. 10, 2021

The 8th Annual Academic Achievements Presentation of Translation Medicine Degree Program

Global Proteomics-based Identification and Validation of Thymosin Beta-4 X-Linked as a Prognostic Marker for Head and Neck Squamous Cell Carcinoma Sep. 6, 2017

The 4th Translational Medicine Program Retreat, Taipei, Taiwan.

Silencing JARID1B Suppresses Oncogenicity, Stemness and Increases Radiation Sensitivity in Head and Neck Squamous Cell Carcinoma Sep. 4, 2015

The 2nd Annual Retreat of the Translational Medicine Degree Program, Kaohsiung, Taiwan.

Glucose Transporter 4, encoded by gene SLC2A4, as a Prognostic Marker for Head and Neck Squamous Cell Carcinoma Sep. 19, 2014
The 1st Annual Retreat of the Translational Medicine Degree Program, Taipei, Taiwan.

A Summary of International Partnership for Health Informatics Education 2012
IPHIE2012 Master class training of Health Informatics, University Of Minnesota, Twin Cities, MN, U.S.A.

Recurrent Ameloblastic Carcinoma ex Ameloblastoma of Maxilla - A case report June 2005
ICOMS – 17th International Conference on Oral and Maxillofacial Surgery, Vienna, Austria.

Skills

Programming
Proficient in: R, Python/PyTorch.
Familiar with: Matlab, SAS, C++.

Languages
Chinese, English (fluent)

Service and outreach by TMU

Royal Health Mission in the Kingdom of Eswatini, southern Africa Sep. 2014 – Sep. 2019
attending physician working at the Manzana Clinic.

Missão Médica de Taiwan em São Tomé e Príncipe, west Africa Nov. 2010 – Jan. 2012
attending physician working at hospital central em São Tomé e Príncipe.

Taiwan Medical Mission in the Kingdom of Swaziland, southern Africa May 2009 – Nov. 2010
attending physician working at the Mbabane Government Hospital.

Professional memberships

Taiwanese Association of Oral and Maxillofacial Surgeons (TAOMS) Jan. 2002 – Present
Taiwan Society of Forensic Medicine (TSFM) 2022-
Taiwan Society for Integration of Chinese and Western Medicine (CWM) 2019-

Chinese Medical Association of Acupuncture (CMAA, Taiwan)	2019-
Taiwan Biophysics Society	2014-

References

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 School of Dentistry, Taipei Medical University
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 Oral and Maxillofacial Surgery, Department of Dentistry, Taipei Medical Uni-
 versity Hospital, Taipei, Taiwan
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Professor Yu-Chuan Jack Li, M.D., Ph.D.
 Professor
 Professional Master Program for Artificial Intelligence in Medicine, Taipei
 Medical University, Taipei, Taiwan
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Professor Michael Hsiao, D.V.M., Ph.D.
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Associate Professor Alexander T.H Wu, Ph.D.
 Associate Professor
 The Ph.D. Program for Translational Medicine, College of Medical Science and
 Technology, Taipei Medical University, Taipei, Taiwan
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Publications

- [1] L.-H. Chi, "Global Transcriptomics and Proteomics Analyses for Biomarker Identification and Validation in Head and Neck Squamous Cell Carcinoma," English, Ph.D. dissertation, Taipei Medical University, Taipei, 2022, p. 252. [Online]. Available: <https://hdl.handle.net/11296/gp643b>.
- [2] L.-H. Chi, A. T. Wu, M. Hsiao, and Y.-C. C. J. Li, "A Transcriptomic Analysis of Head and Neck Squamous Cell Carcinomas for Prognostic Indications," *Journal of Personalized Medicine*, vol. 11, no. 8, p. 782, Aug. 2021, ISSN: 2075-4426. DOI: [10.3390/jpm11080782](https://doi.org/10.3390/jpm11080782). [Online]. Available: <https://www.mdpi.com/2075-4426/11/8/782>.
- [3] L.-H. Chi, A. T. H. Wu, M. Hsiao, and Y.-C. J. Li, "A Global Genome-Wide Scan with Optimal Cutoff Mining for Emerging Biomarkers in Head and Neck Squamous Cell Carcinoma," *Research Square [Preprint Server]*, 2020, ISSN: 2693-5015. DOI: [10.21203/rs.3.rs-80673/v1](https://doi.org/10.21203/rs.3.rs-80673/v1). [Online]. Available: <https://doi.org/10.21203/rs.3.rs-80673/v1>.
- [4] Y.-C. Chang, L.-H. Chi, W.-M. Chang, C.-Y. Su, Y.-F. Lin, C.-L. Chen, M.-H. Chen, P. M.-H. Chang, A. T. H. Wu, and M. Hsiao, "Glucose transporter 4 promotes head and neck squamous cell carcinoma metastasis through the TRIM24-DDX58 axis," eng, *Journal of Hematology & Oncology*, vol. 10, no. 1, p. 11, Dec. 2017, ISSN: 1756-8722. DOI: [10.1186/s13045-016-0372-0](https://doi.org/10.1186/s13045-016-0372-0). [Online]. Available: <http://jhoonline.biomedcentral.com/articles/10.1186/s13045-016-0372-0>.
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<http://rdcu.be/vb1R>.
- [6] Y.-C. Chan, C.-W. Chen, M.-H. Chan, Y.-C. Chang, W.-M. Chang, L.-H. Chi, H.-M. Yu, Y.-F. Lin, D. P. Tsai, R.-S. Liu, and M. Hsiao, "MMP2-sensing up-conversion nanoparticle for fluorescence biosensing in head and neck cancer cells," eng, *Biosensors & bioelectronics*, vol. 80, pp. 131–139, Jun. 2016, ISSN: 1873-4235 (Electronic). DOI: [10.1016/j.bios.2016.01.049](https://doi.org/10.1016/j.bios.2016.01.049).
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- [9] C.-Y. Su, Y.-P. Liu, C.-J. Yang, Y.-F. Lin, J. Chiou, L.-H. Chi, J.-J. Lee, A. T. H. Wu, P.-J. Lu, M.-S. Huang, and M. Hsiao, "Plasminogen Activator Inhibitor-2 Plays a Leading Prognostic Role among Protease Families in Non-Small Cell Lung Cancer," eng, *PloS one*, vol. 10, no. 7, e0133411, 2015, issn: 1932-6203 (Electronic). DOI: [10.1371/journal.pone.0133411](https://doi.org/10.1371/journal.pone.0133411).
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- [11] C.-K. Fan, L.-W. Lee, C.-W. Liao, Y.-C. Huang, Y.-L. Lee, Y.-T. Chang, A. d. S. R. J. da Costa, V. Gil, L.-H. Chi, T. Nara, A. Tsubouchi, and O. P. Akinwale, "Toxoplasma gondii infection: relationship between seroprevalence and risk factors among primary schoolchildren in the capital areas of Democratic Republic of Sao Tome and Principe, West Africa.," eng, *Parasites & vectors*, vol. 5, p. 141, Jul. 2012, issn: 1756-3305 (Electronic). DOI: [10.1186/1756-3305-5-141](https://doi.org/10.1186/1756-3305-5-141).
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- [15] L.-H. Chi, Y.-H. Li, T.-K. Liu, and B.-Y. Peng, "Squamous Cell Carcinoma Metastasized to Cervical Lymph Nodes from an Occult Oral Primary - A case Report," *Journal of Chinese Oral and Maxillofacial Surgery*, vol. 13, no. 1, pp. 26–39, 2002.