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Citizenship: Taiwan

Attending physician (April 2022 - present)

Director (April 2021 - March 2022)

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



Speciality An advance visit team in the Republic of Somaliland (June 2022 –)
Oral and Maxillofacial Surgery

Research interests Biostatistics with R/Python/C++ for survival analyses and deep learning,
biomedical informatics; cancer research in vitro and in vivo; mindfulness med-
itation, 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 Carcino-
mas 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 (annually visit).

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

Associate Professor Yun-Ho Lin, D.D.S., M.S.

Vice Director

School of Dentistry, College of Oral Medicine, Taipei Medical University,
Taipei, Taiwan

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Professor Sheng-Yang Lee, D.D.S., Ph.D.

Professor

School of Dentistry, Taipei Medical University

Director

Department of Dentistry, Wan Fang Hospital, Taipei Medical University,
Taipei, Taiwan

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Assistant Professor Chia-Yu Wu, D.D.S., Ph.D.

Assistant Professor

School of Dental Technology, Taipei Medical University

Director

Department of Dentistry, Taipei Medical University Hospital, Taipei, Taiwan

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Assistant Professor Bou-yue Peng, D.D.S., M.S.

Assistant Professor

School of Dentistry, Taipei Medical University

Director

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

E-mail: jack@tmu.edu.tw

Professor Michael Hsiao, D.V.M., Ph.D.

Research Fellow

Genomics Research Center, Academia Sinica, Taipei, Taiwan
E-mail: mhsiao@gate.sinica.edu.tw

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
E-mail: chaw1211@tmu.edu.tw

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://jhonline.biomedcentral.com/articles/10.1186/s13045-016-0372-0>.
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<http://rdcu.be/vb1R>.
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- [7] W.-M. W.-M. Chang, Y.-F. Y.-F. Lin, C.-Y. C.-Y. Su, H.-Y. H.-Y. H.-Y. Peng, Y.-C. Chang, T.-C. T.-C. Lai, G.-H. G.-H. G.-H. Wu, Y.-M. Y.-M. Hsu, L.-H. Chi, J.-R. J.-R. Hsiao, C.-L. C.-L. Chen, J.-Y. J.-Y. Chang, Y.-S. Shieh, M. Hsiao, and S.-G. S.-G. Shiah, “Dysregulation of RUNX2/activin-A axis upon miR-376c downregulation promotes lymph node metastasis in head and neck squamous cell carcinoma,”

- eng, *Cancer Research*, vol. 76, no. 24, pp. 7140–7150, Dec. 2016, ISSN: 1538-7445 (Electronic). DOI: [10.1158/0008-5472.CAN-16-1188](https://doi.org/10.1158/0008-5472.CAN-16-1188).
- [8] W. R. Hao, Y. H. Hsu, K. C. Chen, H. C. Li, U. Iqbal, P. A. Nguyen, C. W. Huang, H. C. Yang, P. Lee, M. H. Li, S. L. Hlatshwayo, Y. C. Jack Li, and W. S. Jian, “LabPush: A pilot study of providing remote clinics with laboratory results via short message service (SMS) in Swaziland, Africa - A qualitative study,” *Computer Methods and Programs in Biomedicine*, vol. 118, no. 1, pp. 77–83, 2015, ISSN: 18727565. DOI: [10.1016/j.cmpb.2014.10.005](https://doi.org/10.1016/j.cmpb.2014.10.005). [Online]. Available: <http://dx.doi.org/10.1016/j.cmpb.2014.10.005>.
 - [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).
 - [12] W.-S. Jian, M.-H. Hsu, H. Sukati, S. Syed-Abdul, J. Scholl, N. Dube, C.-K. Hsu, T.-j. Wu, V. Lin, T. Chi, P. Chang, Y.-C. Li, L.-H. Chi, P. Chang, and Y.-C. Li, “LabPush: a pilot study of providing remote clinics with laboratory results via short message service (SMS) in Swaziland, Africa,” eng, *PloS one*, vol. 7, no. 9, C. Shiff, Ed., e44462, Sep. 2012, ISSN: 1932-6203 (Electronic). DOI: [10.1371/journal.pone.0044462](https://doi.org/10.1371/journal.pone.0044462). [Online]. Available: <http://dx.plos.org/10.1371/journal.pone.0044462>.
 - [13] H.-C. C. Cheng, L.-H. H. Chi, J.-Y. Y. Wu, T.-T. T. Hsieh, and B.-Y. Y. Peng, “Blindness and basal ganglia hypoxia as a complication of Le Fort I osteotomy attributable to hypoplasia of the internal carotid artery: a case report,” eng, *Oral surgery, oral medicine, oral pathology, oral radiology, and endodontics*, vol. 104, no. 1, e27–33, Jul. 2007, ISSN: 1528-395X (Electronic). DOI: [10.1016/j.tripleo.2007.01.016](https://doi.org/10.1016/j.tripleo.2007.01.016).
 - [14] J.-Y. Wu, L.-H. Chi, B.-Y. Peng, and Y.-H. Lin, “Maxillary Ameloblastic Carcinoma—A Case Report,” *Journal of Chinese Oral and Maxillofacial Surgery*, vol. 18, no. 2, pp. 131–140, 2007.
 - [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.