

Curriculum Vitae

PERSONAL DATA

Name: Yu-Chi Tsai

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EXPERIENCE

<i>Period</i>	<i>Institution & Department</i>	<i>Location</i>	<i>Title</i>	<i>Field</i>
Jul 2015 – Jun 2016	Division of Industrial Development, Development Center for Biotechnology	Taipei City, Taiwan	Researcher	IP & Patent assessment
Jul 2015 – May 2017	Wispro Technology Consulting Corporation	Taipei City, Taiwan	Consultant & Analyst	IP resource integration
Nov 2017 – Dec 2018	Division of Pharmaceutical Science, Center for Drug Evaluation	Taipei City, Taiwan	Reviewer	Generic drug CMC review
Feb 2019 – Present	Department of Pharmacognosy, University of Szeged	Szeged City, Hungary	Researcher fellow	Pharmacognosy study

EDUCATION

<i>Year Conferred</i>	<i>Institution & Location</i>	<i>Field of Study</i>	<i>Degree</i>
Aug 2004 – Jul 2008	China Medical University, Taiwan	Traditional Chinese medicine, Herbal and biotechnology	Bachelor
Aug 2008 – Jul 2010	Kaohsiung Medical University, Taiwan	Natural product chemistry, Pharmacognosy	Master
Aug 2010 – Jun 2015	Kaohsiung Medical University, Taiwan	Natural product chemistry, Pharmacognosy	Ph.D.
Feb 2014 – Jun 2015	University of Szeged, Hungary	Natural product chemistry	Ph.D.

RESEARCH FIELD

Natural products chemistry, Chinese herbal medicine, Botanic product, and Plant tissue culture

SPECIAL EXPERTISE

Intellectual property resource integration, and Patent layout planning and application defense.

INDUSTRIAL ARTICLES PUBLICATION

1. Sequenom 專利無效案撼動 IVD 產業及其智慧財產佈局, Commercial Times, Taiwan; 25. Sep. 2015.
2. 中医药研发热度“持续攀升”，大势下如何保护竞争优势？, Biodiscovery, China; 17. Mar. 2016.
3. 診斷方法的美國專利適格性, Economy Daily News, Taiwan; 10. Sep. 2016.

JOURNAL PUBLICATION LIST

1. Tsong-Long Hwang, Chih-Hao Hung, Ching-Yun Hsu, Yin-Ting Huang, **Yu-Chi Tsai**, and Pei-Wen Hsieh* **2013**. “Design and synthesis of tryptophan containing dipeptide derivatives as formyl peptide receptor 1 antagonist.”, *Organic & Biomolecular Chemistry*, *11*, 3742-3755. (SCI).
2. Hui-Chun Wang*, Chin-Chung Wu, Ti-Sheng Cheng, Ching-Ying Kuo, **Yu-Chi Tsai**, Shang-Yu Chiang, Teng-Song Wong, Yang-Chang Wu, and Fang-Rong Chang* **2013**, “Active constituents from *Liriope platyphylla* root against cancer growth in vitro.”, *Evidence-Based Complementary and Alternative Medicine*, *2013*, Article ID 857929.(SCI)
3. **Yu-Chi Tsai**, Shang-Yu Chiang, Mohamed El-Shazly, Chin-Chung Wu, Ludger Beerhues, Wan-Chun Lai, Shou-Fang Wu, Ming-Hong Yen, Yang-Chang Wu,* and Fang-Rong Chang* **2013**, “The oestrogenic and anti-platelet activities of dihydrobenzofuroisocoumarins and homoisoflavonoids from *Liriope platyphylla* roots.”, *Food Chemistry*, *140*, 305-314.(SCI)
4. Wan-Chun Lai, Yang-Chang Wu, Balázs Dankó , Yuan-Bin Cheng , Tusty-Juan Hsieh, Chi-Ting Hsieh, **Yu-Chi Tsai**, Mohamed El-Shazly, Ana Martins, Judit Hohmann, Attila Hunyadi,* and Fang-Rong Chang* **2014**. “Bioactive constituents of *Cirsium japonicum* var. *australe*.”, *Journal of Natural Products*, *77*, 1624-1631. (SCI).
5. Yuan-Bin Cheng, Chih-Chin Lan, Wei-Chun Liu, Wan-Chun Lai, **Yu-Chi Tsai**, Michael Y. Chiang, Yang-Chang Wu,* and Fang-Rong Chang* **2014**. “Kuroshines A and B, new alkaloids from *Zoanthus kuroshio*.”, *Tetrahedron Letters*, *55*, 5369-5372. (SCI).
6. Tsurng-Juhn Huang,* **Yu-Chi Tsai**, Shang-Yu Chiang, Guei-Jane Wang, Yu-Cheng Kuo, Yi-Chih Chang, Yi-Ying Wug, Yang-Chang Wu* **2014**. “Anti-viral effect of a compound isolated from *Liriope platyphylla* against hepatitis B virus *in vitro*.”, *Virus Research*, *192*, 16-24. (SCI).
7. **Yu-Chi Tsai**, Chia-Chun Hsu, Mohamed El-Shazly, Shang-Yu Chiang, Chau-Chung Wu, Chin-Chung Wu, Wan-Chun Lai, Ming-Hong Yen, Yang-Chang Wu,* and Fang-Rong Chang* **2015**, “Phytochemicals and estrogen-receptor agonists from the aerial parts of *Liriope platyphylla*.”, *Molecules*, *20*, 6844-6855. (SCI).
8. Hui-Chun Wang,* Fang-Rong Chang, Tzu-Jung Huang, Ching-Ying Kuo, **Yu-Chi Tsai**, and Chin-Chung Wu* **2015**, “(-)-Liriopein B suppresses breast cancer progression via inhibition of multiple kinases.”, *Chemical Research in Toxicology*, *28*, 897-906. (SCI).
9. Yuan-Bin Cheng, Yi-Hong Tsai, I-Wen Lo, Chen-Chang Haung, **Yu-Chi Tsai**, Ludger Beerhues,

- Mohamed El-Shazly, Ming-Feng Hou, Shyng-Shiou Yuan, Chin-Chung Wu, Fang-Rong Chang,* Yang-Chang Wu,* **2015**, “Pandalisines A and B, novel indolizidine alkaloids from the leaves of *Pandanus utilis*.”, *Bioorganic & Medicinal Chemistry Letters*, 25, 4333-4336. (SCI).
10. **Yu-Chi Tsai**, Wan-Chun Lai, Mohamed El-Shazly, Shang-Yu Chiang, Yang-Chang Wu,* and Fang-Rong Chang* **2015**, “A cross-kingdom assay model for evaluating estrogenic activity: application of transgenic *Arabidopsis thaliana* callus.” *Plant Cell, Tissue and Organ Culture*, 123, 427-433. (SCI).
 11. **Yu-Chi Tsai**, Meng-Lun Yu, Mohamed EL-Shazly, Ludger Beerhues, Yuan-Bin Cheng, Lei-Chin Chen, Tsong-Long Hwang, Hui-Fen Chen, Yu-Ming Chung, Ming-Feng Hou, Yang-Chang Wu,* and Fang-Rong Chang,* **2015**, “Alkaloids from *Pandanus amaryllifolius*: Isolation and their plausible biosynthetic formation.”, *Journal of Natural Products*, 70, 2346-2354. (SCI).
 12. Yu-Ming Hsu, Wan-Chun Lai, Chi-Ying Li, Yu-Hsuan Lan, **Yu-Chi Tsai**, Attila Hunyadi, Ming-Feng Hou, Shyng-Shiou Yuan, Yang-Chang Wu,* Fang-Rong Chang,* **2016**, “Estrogenic and anti-estrogenic constituents of *Erythrina caffra*.”, *Natural Product Communications*, 11, 1099-1102. (SCI).
 13. Halima MeriemIssaadi, **Yu-Chi Tsai**, Fang-Rong Chang, Attila Hunyadi,* **2017**, “Centrifugal partition chromatography in the isolation of minor ecdysteroids from *Cyanotis arachnoidea*.”, *Journal of Chromatography B*, 1054, 44-49. (SCI).
 14. Yuan-Bin Cheng, Hao-Chun Hu, **Yu-Chi Tsai**, Shu-Li Chen, Mohamed El-Shazly, Maribel G. Nonato, Yang-Chang Wu,* Fang-Rong Chang,* **2017**, “Isolation and absolute configuration determination of alkaloids from *Pandanus amaryllifolius*.”, *Tetrahedron*, 73, 3423-3429. (SCI).
 15. **Yu-Chi Tsai**, Judit Hohmann, Mohamed El-Shazly, Li-Kwan Chang, Balázs Dankó, Norbert Kúsz, Chi-Ting Hsieh, Attila Hunyadi,* and Fang-Rong Chang,* **2020**, “Bioactive constituents of *Lindernia crustacea* and its anti-EBV effect via Rta expression inhibition in the viral lytic cycle.”, *Journal of Ethnopharmacology*, 250, 112493. (SCI).
 16. Javad Mottaghipisheh, Norbert Kúsz, Judit Hohmann, **Yu-Chi Tsai**, and Dezső Csupor,* **2020**, “Isolation of secondary metabolites from the Iranian medicinal plant *Eremurus persicus*.”, *Zeitschrift für Naturforschung C* (published online ahead of print 2020), 000010151520200059. doi: <https://doi.org/10.1515/znc-2020-0059> (SCI).

ACADEMIC AND RELATED PAPERS ON CONFERENCES

1. **Yu-Chi Tsai**, Wan-Chun Lai, Ying-Chi Du, Ya-Ting Tsui, Shou-Fang Wu, Chia-Lin Lee, Yu-Ming Chung, Yang-Chang Wu,* and Fang-Rong Chang* **2009**. “Chemical constituents and phytoestrogens from the seeds of *Cuscuta chinensis*.”, The 24th Symposium on Natural Products, May 2-3, Kaohsiung, Taiwan.
2. **Yu-Chi Tsai**, Wan-Chun Lai, Ying-Chi Du, Shou-Fang Wu, Chia-Lin Lee, Yang-Chang Wu,* and Fang-Rong Chang* **2010**. “Three new lignans and phytoestrogens from the seeds of *Cuscuta chinensis*.” The 25th Symposium on Natural Products, Nov 5-7, Pingtung, Taiwan.

3. Shang-Yu Chiang, **Yu-Chi Tsai**, Wan-Chun Lai, Ying-Chi Du, Shou-Fang Wu, Yang-Chang Wu,* and Fang-Rong Chang* **2010**. “Chemical constituents and bioactivities from the subterranean part of *Liriope platyphylla*.” The 25th Symposium on Natural Products, Nov 5-7, Pingtung, Taiwan.
4. Mohamed El-Shazly, Ying-Chi Du, **Yu-Chi Tsai**, Wan-Chun Lai, Shu-fen Tu, Yang-Chang Wu,* and Fang-Rong Chang,* **2011**. “New extraction and separation process for the large-scale production of withanolides from *Physalis peruviana*.” The 26th Symposium on Natural Products, Oct 29-30, Taichung, Taiwan.
5. **Yu-Chi Tsai**, Shang-Yu Chiang, Mohamed El-Shazly, Chin Chung Wu, Ludger Beerhues, Wan-Chun Lai, Shou-Fang Wu, Ming-Hong Yen, Yang-Chang Wu,* and Fang-Rong Chang* **2012**. ”The estrogenic and antiplatelet activities of dihydrobenzofuroisocoumarins and homoisoflavonoids from the roots of *Liriope platyphylla*.” The 27th Symposium on Natural Products, Oct 6-7, Kaohsiung, Taiwan.
6. Mohamed El-Shazly, Abdel Nasser B. Singab, Ying-Chi Du, Mei-Chin Lu, Kuei-Hung Lai, **Yu-Chi Tsai**, Balaji D. Barve, Michal Korinek, Shu-fen Tu, Yi-Hong Tsai, Wan-Chun Lai, Meng-Chi Ho, Yu-Ming Chung, Chien-Kei Wei, Da-Wei Chuang, Chi-Ting Hsieh, Shou-Fang Wu, Chiao-Ting Yen, Fang-Rong Chang,* and Yang-Chang Wu* **2012**. “Evaluation of the biological activities and bio-activity guided isolation of *Thunbergia laurifolia* areal parts.” The 27th Symposium on Natural Products, Oct 6-7, Kaohsiung, Taiwan.
7. Meng-Lun Yu, **Yu-Chi Tsai**, Mohamed EL-Shazly, Chyi-Jia Wang, Michal Korinek, Bing-Hung Chen, Fang-Rong Chang,* and Yang-Chang Wu* **2012**. “Studies on the chemical constituents and bioactivities of *Pandanus amaryllifolius* Roxb. aerial part.” 2012 Annual Congress of the Pharmaceutical Society of Taiwan, Nov 25-26, Taichung, Taiwan.
8. Mohamed El-Shazly, Jing-Ru Liou, Ying-Chi Du, Da-Wei Chuang, Michal Korinek, Balaji D. Barve, Kuei-Hung Lai, Yu-Ming Hsu, Yu-Ming Chung, **Yu-Chi Tsai**, Fang-Rong Chang,* and Yang-Chang Wu* **2013**. “Isolation and synthesis of anti-inflammatory compounds from *Lawsonia inermis*.” International Conference of Traditional and Complementary Medicine on Health, May 24-26, Taipei, Taiwan.
9. **Yu-Chi Tsai**, Meng-Lun Yu, Lei-Chin Chen, Mohamed EL-Shazly, Tsong-Long Hwang, Yuan-Bin Cheng, Hui-Fen Chen, Yu-Ming Chung, Chen-Chang Huang, Yang-Chang Wu,* and Fang-Rong Chang* **2013**. “New alkaloids and bioactivities of *Pandanus amaryllifolius* aerial part.” International Conference and Exhibition on Nutraceuticals and Functional Foods, November 5-9, Taipei, Taiwan.
10. **Yu-Chi Tsai**, Meng-Lun Yu, Mohamed El-Shazly, Yuan-Bin Cheng, Ming-Feng Hou, Fang-Rong Chang,* and Yang-Chang Wu* **2014**. “Stereoisomers Separation and Configurational Revision of 6Z-Pandamarilactonines.” Trends in Natural Products Research-Young Scientists Meeting, June 23-25, Olomouc, Czech Republic.

11. Yu-Che Chuang, Yuan-Bin Cheng, Yu-Ming Hsu, **Yu-Chi Tsai**, Kuei-Hung Lai, Shih-Ting Huang, Chy-Jia Wang, Ming-Yuan Hung, Fang-Rong Chang, and Yang-Chang Wu* **2014**. “Chemical constituents from *Juncus effusus* Pith.” The 29th Symposium on Natural Products, Sep 27-28, Kaohsiung, Taiwan.
12. Balázs Kovács¹, Tivadar Kiss, Boglárka Csupor-Löffler, Elek Ferencz, Norbert Kúsz, **Yu-Chi Tsai**, Judit Hohmann, and Dezső Csupor, **2019**. “Isolation of sesquiterpene lactones from common ragweed (*Ambrosia artemisiifolia* L.)” Trends in Natural Products Research-PSE Young Scientists Meeting, June 19-22, Budapest, Hungary.
13. Javad Mottaghipisheh, Norbert Kúsz, Judit Hohmann, **Yu-Chi Tsai**, and Dezső Csupor, **2019**. “Isolation and structural elucidation of secondary metabolites from *Eremurus persicus*” Trends in Natural Products Research-PSE Young Scientists Meeting, June 19-22, Budapest, Hungary.