

● **Name / Position**

Lin, Hong-Liang/ Assistant Professor

● **Office Address**

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● **The Highest Education Degree**

Ph.D. in School of Pharmacy, Taipei Medical University, Taipei, Taiwan.

● **Teaching Courses**

- Pharmaceutical Physical Chemistry
- Pharmaceutical Dosage Forms
- Industrial Pharmacy
- Drug Verification
- Special Topics on Verification and Validation of Pharmaceutical Manufacturing
- Development and Validation of Health Food
- Special Topics on Solid Dosage Forms
- Special Topics on Advanced Industrial Pharmacy

● **Research Area**

- Development and design of drug dosage form
- Drug delivery system
- Pharmaceutics
- Industrial pharmacy
- Modified release dosage forms (extended-release, prolonged-release, controlled-release, slow release and sustained-release)

● **Recent Publications**

1. **Lin Hong-Liang**, Ho Hsiu-O, Chen Chi-Chia, Yeh Ta-Shuong, Sheu Ming-Thau*. (2008) Process and formulation characterizations of the thermal adhesion granulation (TAG) process for improving granular properties. *Int. J. Pharmaceut.* 357: 206–212. [SCI]
2. **Lin Hong-Liang**, Lin Shyr-Yi, Lin Ying-Ku, Ho Hsiu-O, Lo Yo-Wen, Sheu Ming-Thau*. (2008) Release characteristics and in vitro–in vivo correlation of pulsatile pattern for a pulsatile drug delivery system activated by membrane rupture via osmotic pressure and swelling. *Eur. J. Pharm. Biopharm.* 70: 289–301. [SCI]
3. Lin Shan-Yang*, Cheng Wen-Ting, Wei Yen-Shan, **Lin Hong-liang**. (2011) DSC-FTIR microspectroscopy used to investigate the heat-induced intramolecular cyclic anhydride formation between Eudragit E and PVA copolymer. *Polym. J.* 43: 577–580. [SCI]
4. Wu Tieh-Kang, Lin Shan-Yang*, **Lin Hong-liang**, Huang Yu-Ting. (2011) Simultaneous DSC-FTIR microspectroscopy used to screen and detect the co-crystal formation in real time. *Bioorg.*

Med. Chem. Lett. 21: 3148-3151. [SCI]

5. **Lin Hong-liang**, Lin Shan-Yang*, Lin Chih-Cheng, Hsu Cheng-Hung, Wu Tieh-Kang, Huang Yu-Ting. (2012) Mechanical grinding effect on thermodynamics and inclusion efficiency of loratadine–cyclodextrin inclusion complex formation. *Carbohydr. Polym.* 87: 512-517. [SCI]
6. Zhang Gang-Chun, **Lin Hong-Liang***, Lin Shan-Yang**. (2012) Thermal analysis and FTIR spectral curve-fitting investigation of formation mechanism and stability of indomethacin-saccharin cocrystals via solid-state grinding process. *J. Pharmaceut. Biomed. Anal.* 66: 162-169. [SCI]
7. Hsu Po-Chun, **Lin Hong-Liang**, Wang Shun-Li**, Lin Shan-Yang*. (2012) Solid-state thermal behavior and stability studies of theophylline-citric acid cocrystals prepared by neat cogrinding or thermal treatment. *J. Solid State Chem.* 192: 238-245. [SCI]
8. **Lin Hong-Liang**, Zhang Gang-Chun, Hsu Po-Chun, Lin Shan-Yang*. (2013) A portable fiber-optic Raman analyzer for fast real-time screening and identifying cocrystal formation of drug-coformer via grinding process. *Microchem. J.* 110: 15-20. [SCI]
9. **Lin Hong-Liang**, Hsu Po-Chun, Lin Shan-Yang*. (2013) Theophylline-citric acid co-crystals easily induced by DSC-FTIR microspectroscopy or different storage conditions. *Asian Journal of Pharmaceutical Sciences.* 8: 19-27. [EI]
10. Lee Lin-Wen, Hung Sheng-Feng, **Lin Hong-Liang**, Ho Hsiu-O, Sheu Ming-Thau*. (2013) Development of Timely Controlled-Release Systems for Chronotherapy of Propranolol with Minimization of the pH Effect in the Simulated Gastrointestinal Medium. *J. Food Drug Anal.* 21: 115-125. [SCI]
11. **Lin Hong-Liang***, Wu Tieh-Kang, Lin Shan-Yang**. (2014) Screening and characterization of cocrystal formation of metaxalone with short-chain dicarboxylic acids induced by solvent-assisted grinding approach. *Thermochim. Acta.* 575: 313-321. [SCI]
12. **Lin Hong-Liang***, Zhang Gang-Chun, Huang Yu-Ting, Lin Shan-Yang**. (2014) An Investigation of Indomethacin–Nicotinamide Cocrystal Formation Induced by Thermal Stress in the Solid or Liquid State. *J. Pharm. Sci.* 103: 2386-2395. [SCI]
13. **Lin Hong-Liang***, Zhang Gang-Chun, Lin Shan-Yang**. (2015) Real-time co-crystal screening and formation between indomethacin and saccharin via DSC analytical technique or DSC–FTIR microspectroscopy. *J. Therm. Anal. Calorim.* 120: 679-687. [SCI]
14. Kao Chi-Yu, Huang Huai-Han, Huang Yu-Ting, **Lin Hong-Liang**, Lin Shan-Yang*. (2015) Thermoanalytical and spectroscopic studies on amorphization and phase transition of amorphous indomethacin prepared by two melt-cooling processes. *Sci. Letter. J.* , 4: 148
15. **Lin Hong-Liang**, Chi Ying-Ting, Huang Yu-Ting, Kao Chi-Yu and Lin Shan-Yang*. (2015) DSC-FTIR Combined Approaches Used to Simultaneously Prepare/Determine the Amorphous Solid Dispersions of Indomethacin/Soluplus in Real-time. *EC Pharmaceutical Science* 2.1: 183-193.
16. Lin Shan-Yang*, **Lin Hong-Liang**, Chi Ying-Ting, Huang Yu-Ting, Kao Chi-Yu, Hsieh Wei-Hsien. (2015) Thermoanalytical and Fourier transform infrared spectral curve-fitting techniques used to investigate the amorphous indomethacin formation and its physical stability in Indomethacin-Soluplus® solid dispersions. *Int. J. Pharmaceut.* 496: 457-465. [SCI]

17. Lin Shan-Yang*, **Lin Hong-Liang**, Hung Ru-Ying, Huang Yu-Ting and Kao Chi-Yu. (2015) Effect of Povacoat or Soluplus on Solid-State Characterization of Indomethacin-Nicotinamide Co-Crystal Formation. *Pharm. Anal. Acta.* 6:8 402-408.
18. Lin Shan-Yang*, **Lin Hong-Liang**, Chi Ying-Ting, Hung Ru-Ying, Huang Yu-Ting, Kao Chi-Yu, Hsieh Wei-Hsien. (2016) Povacoat affecting solid-state polymorphic changes of indomethacin after co-evaporation from different types of solvents via conventional and microwave drying techniques. *Asian Journal of Pharmaceutical Sciences.* 11(3): 376-384.[EI]
19. Wei-Hsien Hsieh*, Wen-Ting Cheng, Ling-Chun Chen, **Hong-Liang Lin** and Shan-Yang Lin*. (2017) Non-isothermal Dehydration Kinetics of Glucose Monohydrate, Maltose Monohydrate and Trehalose Dihydrate by Thermal Analysis and DSC-FTIR Study. *J. Biomed. Pharm. Sci.* 1:101.[In Press]