Jia-Feng Wu, MD, Ph.D.

Personal Statement:

Dr Wu's research interests focus on the pediatric liver diseases, inflammatory bowel diseases, viral hepatitis, and gastrointestinal motility disorder. Dr Wu's researches cover the natural course and genetic background of pediatric liver diseases, inflammatory bowel diseases, host factors and host-viral interactions on the natural course of chronic hepatitis infection from children to adults in HBV and signal analysis of high resolution manometry. He has been actively engaged in many global clinical trials on the anti-viral therapy of chronic hepatitis B infected children and biologics in inflammatory bowel diseases. He has served as a reviewer for more than 30 international scientific journals and internal medical congress, and published more than 110 peer-reviewed articles.

Education and Training:

1992-1999	M.D., Collage of Medicine, National Taiwan University, Taipei, Taiwan
2000-2005	Pediatric Residency, National Taiwan University Hospital (NTUH), Taipei, Taiwan
2004-2005	Fellow in Pediatric Gastroenterology and Nutrition, NTUH, Taipei, Taiwan
2004-2006	M.M.Sc., Collage of Medicine, National Taiwan University, Taipei, Taiwan
2006-2010	Ph.D., Collage of Medicine, National Taiwan University, Taipei, Taiwan
2009	Visiting Doctor, Gastrointestinal Motility Laboratory, Medical University of South Carolina, Charleston City, United State
2017	Visiting Doctor, Inflammatory Bowel Disease Center, Northwestern Memorial Hospital, Chicago, United State

Positions and Employment

2016-	Deputy Secretary-general, Taiwan Society of Pediatric Gastroenterology, Hepatology and Nutrition (TSPGHAN), Taiwan
2019-	Professor, Department of Pediatrics, Collage of Medicine, National Taiwan University, Taipei, Taiwan
2019-	Secretary-general, Taiwan Society of Inflammatory Bowel Disease (TSIBD), Taiwan
2019-	Scientific committee member of Endoscopy committee, Asian Pan-Pacific Society of Pediatric Gastroenterology, Hepatology and Nutrition (APPSPGHAN)

Honors

2006	Outstanding Research Paper Award, 20th Professor Juei-Low Sung Research Foundation
2009	Young Investigator Award, Asian Pacific Digestive Week Congress (***APDW***)
2010	Outstanding Researcher Award, Asian Congress of Pediatric Infectious Disease (***ACPID***)
2011	Best Poster Presentation Award, International Congress of Tropical Pediatrics (***ICTP***)
2012	Young Investigator Award, World Congress of Pediatric Gastroenterology, Hepatology and Nutrition Congress (***WCPGHAN***)
2014	Young Investigator Award, Academic Congress of Taiwan Pediatric Association (***TPA***)
2014	Ta-You Wu Memorial Award, Ministry of Science and Technology (***MOST***)
2016	Outstanding Research Paper Award, Taiwan Association for the Study of the Liver (***TASL***)
2017, 2019	First Prize of the Poster Distinction Award, Taiwan Digestive Disease Week Congress (***TDDW***)
2018	Young Investigator Award, Asian Pacific Association for the Study of the Liver Congress (***APASL***)
2018	TienTe Lee Young Investigators Award for Medical and Pharmacological Technologies
2019	Oral Presentation Award, 19th Annual Academic Congress of Taiwan Society of Pediatric Gastroenterology, Hepatology and Nutrition (***TSPGHAN***), Taipei, Taiwan

Featured publications

1. **Wu JF**, Wu TC, Chen CH, et al. Serum levels of interleukin 10 and 12 predict early, spontaneous hepatitis B virus e antigen seroconversion. *Gastroenterology.* 2010;138:165-172.
2. **Wu JF**, Tsai WY, Hsu HY, et al. Effect of puberty onset on spontaneous hepatitis B virus e antigen seroconversion in men. *Gastroenterology.* 2010;138:942-948.

3. **Wu JF**, Hsu WC, Tseng PH, et al. Combined multichannel intraluminal impedance and pH monitoring assists the diagnosis of sliding hiatal hernia in children with gastroesophageal reflux disease. *J Gastroenterol.* 2013;48:1242-1248.
4. **Wu JF**, Lee CH, Chen HL, Ni YH, Hsu HY, Sheu JC, Tsuei DJ, Chang MH. Copy number variations in hepatoblastoma associate with unique clinical features. *Hepatol Int.* 2013;7:208-214.
5. **Wu JF**, Ni YH, Chen HL, Hsu HY, Chang MH. The impact of hepatitis B virus precore/core gene carboxyl terminal mutations on viral biosynthesis and the host immune response. *J Infect Dis.* 2014;209:1374-1381.
6. **Wu JF**, Tsai WY, Tung YC, et al. Role of serum dehydroepiandrosterone sulfate level on the clearance of chronic hepatitis B virus infection. *J Gastroenterol.* 2014;49:900-906.
7. **Wu JF**, Hsu HY, Chiu YC, et al. The effects of cytokines on spontaneous hepatitis B surface antigen seroconversion in chronic hepatitis B virus infection. *J Immunol.* 2015;194:690-696.
8. **Wu JF**, Chiu YC, Chang KC, et al. Predictors of hepatitis B e antigen-negative hepatitis in chronic hepatitis B virus infected patients from childhood to adulthood. *Hepatology.* 2016;63:74-82.
9. **Wu JF**, Chang HH, Lu MY,et al. Prognostic roles of pathology markers immunoexpression and clinical parameters in hepatoblastoma. *J Biomed Sci.* 2017; 24: 62.
10. **Wu JF**, Lee CS, Lin WH, et al. Transient elastography is useful in diagnosing biliary atresia and predicting prognosis after hepatoportoenterostomy. *Hepatology* 2018;68:616-624
11. **Wu JF**, Song SH, Lee CS, Chen HL, Ni YH, Hsu HY, Wu TC, Chang MH. Clinical predictors of liver fibrosis in patients with chronic hepatitis B virus infection from children to adults. *J Infect Dis.* 2018;217:1408-1416
12. **Wu JF**, Jeng YM, Chen HL, Ni YH, Hsu HY, Chang MH. Quantification of serum matrix metallopeptide 7 levels may assist in the diagnosis and predict the outcome for patients with biliary atresia. *J Pediatr.* 2019; 208: 30-37.
13. **Wu JF**, Chang KC, Ni YH, Hsu HY, Chang MH. Impacts of the percentage of basal core promoter mutation on the progression of liver fibrosis after hepatitis B e antigen seroconversion. *J Infect Dis.* 2021;223:1381-1389.
14. **Wu JF**, Tsai IJ, Tong TW, et al. Pressure-impedance analysis: Assist the diagnosis and classification of ineffective esophageal motility disorder. *J Gastroenterol Hepatol.* 2020; 35: 1317-1324.
15. Boo YA, Chang MH, Jeng YM, Peng SF, Hsu WM, Lin WH, Chen HL, Ni YH, Hsu HY, **Wu JF**. Diagnostic performance of transient elastography in biliary atresia among infants with cholestasis. *Hepatol Commun.* 2021; 5:882-890. (corresponding author)