

Ingrid Wei Zhang, MD

1 | General information:

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Current position: Resident - Internal Medicine, Department of Hepatology and Gastroenterology, Charité – Universitätsmedizin Berlin, Campus Virchow-Klinikum (CVK)

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2 | Academic education

Since 2019 PhD studies in Medicine and Translational Research, University of Barcelona, Spain (Supervisor: Joan Clària Enrich)

2007 – 2014 Heidelberg University School of Medicine, Germany; Université Montpellier 1 Medical School, France

3 | Advanced academic qualifications:

2017 MD thesis “*Analysis of the subcellular localisation and functional role of Acyl-CoA-Synthetase 4*”, Gastroenterology, Infectious Diseases, Intoxication, Internal Medicine IV, Heidelberg University School of Medicine (Supervisor: Joachim Füllekrug)

4 | Postgraduate professional career:

Since 2022 BIH Clinician Scientist, Charité – Universitätsmedizin Berlin

2019 – 2021 Postdoctoral fellow, Institut d’Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS), Barcelona, Spain

5 | Other:

Awards/Honors

- Sheila Sherlock Post-graduate Fellowship (EASL International Liver Foundation) 2019

6 | Selected publications:

1. Casulleras M, Flores-Costa R, Duran-Güell M, **Zhang IW**, López-Vicario C, Curto A Fernández J, Arroyo V, Clària J. Albumin Lipidomics Reveals Meaningful Compositional Changes in Advanced Cirrhosis and Its Potential to Promote Inflammation Resolution. **Hepatol Commun** 2022
2. **Zhang IW**, López-Vicario C, Duran-Güell M, Clària, J. Mitochondrial Dysfunction in Advanced Liver Disease: Emerging Concepts. **Front Mol Biosci** 2021; 8
3. **Zhang IW**, Curto A, López-Vicario C, Casulleras M, Duran-Güell M, Flores-Costa R, Colsch B, Aguilar F, Aransay AM, Lozano JJ, Hernández-Tejero M, Toapanta D, Fernández J, Arroyo V, Clària J. Mitochondrial dysfunction governs immunometabolism in leukocytes of patients with acute-on-chronic liver failure. **J Hepatol** 2021; 1-14
4. Clària J, Curto A, Moreau R, Colsch B, López-Vicario C, Lozano JJ, Aguilar F, Castelli FA, Fenaille, F Junot C, **Zhang I**, Vinaixa M, Yanes O, Caraceni P, Trebicka J, Fernández J, Angeli P, Jalan R, Arroyo V. Untargeted Lipidomics Uncovers Lipid Signatures Distinguishing Severe versus Moderate Forms of Acutely Decompensated Cirrhosis. **J Hepatol** 2021; 75(5):1116-1127
5. Kalveram L, Schunck WH, Rothe M, Rudolph B, Lodenkemper C, Holzhütter G, Henning S, Bufler P, Schulz M, Meierhofer D, **Zhang IW**, Weylandt KH, Wiegand S, Hudert CA. Regulation of the Cytochrome

- P450 Epoxyeicosanoid Pathway Is Associated with Distinct Histologic Features in Pediatric Non-Alcoholic Fatty Liver Disease. **Prostaglandins Leukot Essent Fatty Acids** 2021; 164, 102229
6. Casulleras M, **Zhang IW**, López-Vicario C, Clària J. Leukocytes, Systemic Inflammation and Immunopathology in Acute-on-Chronic Liver Failure. **Cells** 2020; 9, 2632
 7. Leineweber CG, Pietzner A, **Zhang IW**, Blessin UB, Rothe M, Schott E, Schebb NH, Weylandt KH. Assessment of the Effect of Sorafenib on Omega-6 and Omega-3 Epoxyeicosanoid Formation in Patients with Hepatocellular Carcinoma. **Int J Mol Sci** 2020; 21, 1–11
 8. Poppelreuther M, Sander S, Minden F, Dietz MS, Exner T, Du C, **Zhang I**, Eehalt F, Knüppel L, Domschke S, Badenhop A, Staudacher S, Eehalt R, Stremmel W, Thiele C, Heilemann M, Füllekrug J. The Metabolic Capacity of Lipid Droplet Localized Acyl-CoA Synthetase 3 Is Not Sufficient to Support Local Triglyceride Synthesis Independent of the Endoplasmic Reticulum in A431 Cells. **Biochim Biophys Acta Mol Cell Biol Lipids** 2018; 1863, 614–624
 9. Schmöcker C*, **Zhang IW***, Kiesler S, Kassner U, Ostermann AI, Steinhagen-Thiessen E, Schebb NH, Weylandt KH. Effect of Omega-3 Fatty Acid Supplementation on Oxylipins in a Routine Clinical Setting. **Int J Mol Sci** 2018, 19, 1–12
 10. Küch EM*, Vellaramkalayil R*, **Zhang I***, Lehnen D, Brügger B, Stremmel W, Eehalt R, Poppelreuther M, Füllekrug J. Differentially Localized Acyl-CoA Synthetase 4 Isoenzymes Mediate the Metabolic Channeling of Fatty Acids towards Phosphatidylinositol. **Biochim Biophys Acta Mol Cell Biol Lipids** 2014, 1841, 227–239

*contributed equally