Shunchang Li

Ph.D in Exercise Physiology; Professor at Chengdu Sport University

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ACADEMIC AND RESEARCH CAREER

- 2017.09 - present Professor

  Institute of Sports Medicine and Health, Chengdu Sport University, China

- 2007.07 – 2017.08 Associated Professor

  School of Physical Education, Xichang College, China

EDUCATION

- 2014.09 – 2015.09 Joint Ph.D in Exercise Physiology

  University of British Columbia, Vancouver, Canada

- 2013.09 – 2017.07 Ph.D in Exercise Physiology

  Beijing Sport University, Beijing, China

  Ph.D thesis: *Effects and mechanisms of endurance and resistance training on cardiac structure and function in diabetic rats.*

- 2005.09 – 2007.06 Master in Exercise Physiology

  Chengdu Sport University, Chengdu, China

  Master thesis: *The establishment of exercise-induced myocardial stunning model of rats with repeated exhaustive exercise on treadmill.*

MEMBERSHIP IN SCIENTIFIC ORGANIZATIONS

- **Member** Exercise Physiology and Biochemistry Branch of the Chinese Society of Sports Science
- **Academic and Technical Leader Reserve Candidate** Department of Human Resources and Social Security of Sichuan Province
- **Youth editorial board member** Journal of Chengdu Sport University
- **Guest associate editor** Frontier in Physiology & Frontier in Sports and Active Living

GRANTS

- 2020.01 – 2023.12 National Natural Science Foundation of China (NO:319774)

  The Role of NRG1-ErbB4-C/EBpβ in Exercise Mimetic MOTS-c Induced Physiological Cardiac Remodeling

- 2018.06 – 2021.05 Sichuan Science and Technology Program (NO:2018JY0499)

  The role of mitochondria-secreted polypeptide MOTS-c in exercise improving cardiac function in diabetes

RESEARCH INTEREST

- The Molecular Mechanism of Exercise Health Promotion
- Exercise mimetics
- Theory and Application of Physical Exercise to Promote Heart Health

PUBLICATIONS

1. **Shunchang Li**; Wang Manda, Ma Jiacheng, Pang Xiaoli, Yuan Jinghan, Pan Yanrong, Fu Yu, Laher Ismail. MOTS-c and Exercise Restore Cardiac Function by Activating of NRG1-ErbB Signaling in Diabetic Rats[J]. Frontiers in Endocrinology, 2022, 13: 812032.
2. Jinghan Yuan, Manda Wang, Yanrong Pan, Min Liang, Yu Fu, Yimei Duan, Mi Tang, Ismail Laher, **Shunchang Li***. The mitochondrial signaling peptide MOTS-c improves myocardial performance during exercise training in rats[J]. Scientific reports, 2021;11(1):20077.
3. Babatunde Fasipe; **Shunchang Li**; Ismail Laher. Harnessing the cardiovascular benefits of exercise: Are Nrf2 activators useful? [J]. Sports Medicine and Health Science, 2021,3(2):70-79.
4. **Shunchang Li**; Ismail Laher. Rethinking "Exercise is Medicine" [J]. Excli Journal,2020,19:1169-1171.
5. **Shunchang Li**; Min Liang; Yanrong Pan; Manda Wang; Derun Gao; Huayu Shang; Quansheng Su; Ismail Laher. Exercise Modulates Heat Shock Protein 27 Activity in Diabetic Cardiomyopathy [J]. *Life Sciences*. 2020, 243:117251.
6. **Shunchang Li**; Min Liang; Yanrong Pan; Manda Wang; Derun Gao; Huayu Shang; Quansheng Su; Ismail Laher. Effect of Aerobic Exercise on Cardiac Diastolic Dysfunction: Role of Heat Shock Protein 27[J]. *Medicine and Science in Sports and Exercise*, 2020, 52(7):564.
7. **Shunchang Li**; Min Liang; Derun Gao; Quansheng Su; Ismail Laher. Changes in Titin and Collagen Modulate Effects of Aerobic and Resistance Exercise on Diabetic Cardiac Function [J]. *J Cardiovasc Transl.* **2019**, 12(5):404-414.
8. **Shunchang Li**; Min Liang; Derun Gao; Quansheng Su; Ismail Laher. Effects of Aerobic and Resistance Training on Diabetic Heart Function Roles of Titin and Collagen [J]. *Medicine and Science in Sports and Exercise*, 2019, 51(6):328.
9. **Shunchang Li**, Laher Exercise mimetics: Running without the map. [J] *Clinical Pharmacology & Therapeutics.* 2017, 10(2): 188-190.
10. **Shunchang Li,** I Laher. Response to "PPARδ modulation by GW501516: An unsuccessful exercise mimetic". *Clin Pharmacol Ther* [J], 2017, 102(3):396.
11. **Shunchang Li**, Laher I. Exercise pills: At the Start Line. [J] *Trends Pharmacol Sci*.2015, 36(12):906-917.