

## Songying Zhang - CV

1. **Higher education qualification:** Bachelor of Zhejiang Medical University, China.
2. **Master degree:** OB&Gyn, Medical School, Zhejiang University, China.
3. **Doctoral degree:** PhD, OB&Gyn, Medical School, Zhejiang University, China.
4. **Current position:** Professor, Chief Physician, Doctoral Supervisor. Associate Dean, Director of Obstetrics and Gynecology, and Director of Reproductive Center of Sir Run Run Shaw Hospital, School of Medicine, affiliated to Zhejiang University, China.
5. **Representative Grants:**
  - 2020/01-2023/12 – National Natural Science Foundation of China, 81971358, “EZH2/IGFBP4/IGFs Axis Regulates Oxidative Stress Response in Ovarian Granulosa Cell and Participates in Infertility Patients with endometriosis” RMB¥550,000, Project leader
  - 2018/12-2021/12 – National Key Research and Development Programs, 2018YFC1004800, “Study of Reproductive Dysfunction and Fertility Remodeling”, RMB¥18,340,000, Project leader
  - 2017/01-2020/12 – Science and Technology Department of Zhejiang Province, 2017C03022, “Research on key technologies for the safety and sub-generation health of mothers at an advanced age- Prediction and prevention and control techniques for recurrent abortion in elderly reproductive women”, RMB¥3,370,000, Project leader
6. **Representative Publications:**
  - Lin X, Dai Y, Tong X, Xu W, Huang Q, Jin X, Li C, Zhou F, Zhou H, Lin X, Huang D, **Zhang S<sup>#</sup>**. Excessive oxidative stress in cumulus granulosa cells induced cell senescence contributes to endometriosis-associated infertility. *Redox Biol.* 2020;30:101431.
  - Xin L, Lin X, Pan Y, Zheng X, Shi L, Zhang Y, Ma L, Gao C, **Zhang S<sup>#</sup>**. A collagen scaffold loaded with human umbilical cord-derived mesenchymal stem cells facilitates endometrial regeneration and restores fertility. *Acta Biomater.* 2019.
  - Zhu H, Pan Y, Jiang Y, Li J, Zhang Y, **Zhang S<sup>#</sup>**. Activation of the Hippo/TAZ pathway is required for menstrual stem cells to suppress myofibroblast and inhibit transforming growth factor beta signaling in human endometrial stromal cells. *Hum Reprod.* 2019.
  - Dai Y, Lin X, Xu W, Lin X, Huang Q, Shi L, Pan Y, Zhang Y, Zhu Y, Li C, Liu L, **Zhang S<sup>#</sup>**. MiR-210-3p protects endometriotic cells from oxidative stress-induced cell cycle arrest by targeting BARD1. *Cell Death Dis.* 2019;10(2):144.
  - Lin X, Zhang Y, Pan Y, He S, Dai Y, Zhu B, Wei C, Xin L, Xu W, Xiang C, **Zhang S<sup>#</sup>**. Endometrial stem cell-derived granulocyte-colony stimulating factor attenuates endometrial fibrosis via sonic hedgehog transcriptional activator Gli2. *Biol Reprod.* 2018;98(4):480-490.
  - Lin X, Dai Y, Xu W, Shi L, Jin X, Li C, Zhou F, Pan Y, Zhang Y, Lin X, **Zhang S<sup>#</sup>**. Hypoxia Promotes Ectopic Adhesion Ability of Endometrial Stromal Cells via TGF-beta1/Smad Signaling in Endometriosis. *Endocrinology.* 2018;159(4):1630-1641.