

I am Hong-Lu Diao, a Ph.D. student in Lab of Molecular Reproduction and Development. My advisor is Dr. Zeng-Ming Yang. I am very interested in the post-doctoral position in your lab.

My current research focuses on the expression, regulation and function of implantation-related molecules in mouse uterus during early pregnancy. Pseudopregnancy, delayed implantation, steroid hormonal treatment, artificial decidualization and culture of mouse uterine cells are used in my projects. I am familiar with *in situ* hybridization, immunohistochemistry, Western Blot, Northern Blot and semi-quantative RT-PCR. Additionally, I am good in mouse and rat surgical techniques, like ovariectomy, castration, embryo transfer, and intrauterine injection.

Attached please find my resume. I have published 10 papers in peer-reviewed journals, one as first author, 4 as second author and 5 as third author. My recent two manuscripts will be soon submitted to *Endocrinology* and *Biology of Reproduction*, respectively. I hope that my background can meet your requirements for the post-doctoral position in your lab.

I will graduate this July and receive my PhD by then. I will be available by this August. If you need further information, please let me know. Your consideration and help will be greatly appreciated.

Sincerely yours,

Hong-Lu Diao

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