

## Prof. Dr. Ruth Grümmer

### Publications

1. Petri T, Dankert D, Demond H, Wennemuth G, Horsthemke B, Grümmer R (2019): **In vitro postovulatory oocyte aging affects H3K9 trimethylation in two-cell embryos after IVF.** Ann Anat, in press.
2. Koch Y, Wimberger P, Grümmer R (2018): **HCG induces decidualization of ectopic human endometrium more effectively than forskolin in an in-vivo endometriosis model.** Exp. Biol. Med., in press
3. Petersen R, Grümmer R, Jendrossek V, Sauerwein W, Schara U (2018): **Mentoring in a Medical Faculty - Chance for Organisational Learning.** Int. J. of Learning and Change, in press
4. Demond H, Dankert D, Grümmer R, Horsthemke B (2017) **Preovulatory oocyte aging in mice affects fertilization rate and embryonic genome activation.** bioRxiv doi: 10.1101/209437
5. Demond H, Trapphoff T, Dankert D, Heiligentag M, Grümmer R, Horsthemke B, Eichenlaub-Ritter U (2016): **Preovulatory aging in vivo and in vitro affects maturation rates, abundance of selected proteins, histone methylation pattern and spindle integrity in murine oocytes.** PLOS One, 2016 Sep 9;11(9):e0162722
6. T. Trapphoff, M. Heiligentag, D. Dankert, H. Demond, D. Deutsch, T. Fröhlich, G. J. Arnold, R. Grümmer, B. Horsthemke, U. Eichenlaub-Ritter (2016) **Postovulatory aging affects dynamics of mRNA, expression and localization of maternal effect proteins, spindle integrity and pericentromeric proteins in mouse oocytes.** Human Reproduction 31(1): 133-149.
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12. Grümmer, R. (2013)  
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14. Hoyer C, Vogt MA, Zaun G, Zahedi Y, Maderwald S, Ladd ME, Winterhager E, Grümmer R, Gass P: (2012)  
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