

CURRICULUM VITAE

HERBERT FLUHR, M.D.

PERSONAL DETAILS

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Date of birth: April 5, 1978

Place of birth: Schwäbisch Hall, Germany

Nationality: German

ACADEMIC CAREER

July 2014 Postdoctoral lecture qualification (OB/GYN), Ruprecht-Karls-University of Heidelberg, Germany

October 2011 Postdoctoral lecture qualification (OB/GYN) „*The stimulation of endometrial death receptors causes differential apoptotic and non-apoptotic effects being involved in early implantation*“, Ernst-Moritz-Arndt-University of Greifswald, Germany

January 2006 Promotion „*Longitudinale Sequenzierung oligoklonaler T-Zellpopulationen in der Haut als einem wesentlichen Zielorgan der Graft-versus-Host Erkrankung nach allogener Knochenmarkstransplantation im murinen Modell*“, Eberhard-Karls-University of Tübingen, Germany

December 2005 License to practice medicine

August-September 2003 Research fellowship, Professor Dr. C. V. Rao, Department of Obstetrics and Gynecology, University of Louisville, KY, USA
„*Untersuchungen zur uterinen Expression von Leukemia inhibitory factor (LIF) und Interleukin (IL)-11 in einem LH/hCG-Rezeptor Knock-out Mausmodell*“

1998 – 2005 Eberhard-Karls-University, Tübingen, Germany
Studies of medicine

1997-1998 Alternative civilian service at the department of surgery, hospital St. Trudpert, Pforzheim, Germany

1984-1997 School (university-entrance diploma)

PROFESSIONAL EXPERIENCE

July 2014 Job specialization in special obstetrics and perinatal medicine

February 2011 Specialist/consultant in OB/GYN

since October 2013	Head of the section for special obstetrics, Department of OB/GYN, Ruprecht-Karls-University of Heidelberg, Germany
April-September 2013	Consultant in OB/GYN, Department of OB/GYN, Ruprecht-Karls-University of Heidelberg, Germany
October 2006-March 2013	Resident, Department of OB/GYN, Ernst-Moritz-Arndt-University of Greifswald, Germany
January-September 2006	Resident, Department of OB/GYN, Eberhard-Karls-University, Tübingen, Germany

PUBLICATIONS

- Schilbach K, Schick J, **Fluhr H**, Marquardt K, Wehrmann M, Schütt BS., Schlegel PG, Niethammer D, Eyrich M (2004). *Organ-specific T cell receptor repertoire in target organs of murine graft-versus-host after transplantation across minor histocompatibility antigen barriers*. Transplantation. 78, 31-40.
- Fluhr H**, Abele H, Becker S, Wallwiener D, Schauf B (2005). *Leiomyom des Ovars – ein Fallbericht*. Geburtshilfe und Frauenheilkunde. 65: 978-980.
- Fluhr H**, Krenzer S, Deperschmidt M, Zwirner M, Wallwiener D, Licht P (2006). *Human chorionic gonadotropin inhibits insulin-like growth factor binding-protein-1 and prolactin in decidualized human endometrial stromal cells*. Fertility and Sterility Vol. 86, 236-238.
- Licht P, **Fluhr H**, Neuwinger J, Wallwiener D, Wildt L (2007). *Is human chorionic gonadotropin directly involved in the regulation of human implantation?* Molecular and Cellular Endocrinology. 269: 85-92.
- Fluhr H**, Krenzer S, Stein G, Stork, Deperschmidt M, Wallwiener D, Wesselborg, Zygmunt M, Licht P (2007). *Interferon- γ and tumor necrosis factor- α sensitize primarily resistant human endometrial stromal cells to Fas-mediated apoptosis*. Journal of Cell Science 120, 4126-4133.
- Fluhr H**, Carli S, Deperschmidt M, Wallwiener D, Zygmunt M, Licht P (2008). *Differential effects of human chorionic gonadotropin and decidualization on insulin-like growth factors-I and -II in human endometrial stromal cells*. Fertility and Sterility Vol. 90, 1384-1389.
- Fluhr H**, Bischof-Islami D, Krenzer S, Licht P, Bischof P, Zygmunt M (2008). *Human chorionic gonadotropin stimulates matrix metalloproteinases-2 and -9 in cytotrophoblastic cells and decreases tissue inhibitor of metalloproteinases-1, -2 and -3 in decidualized endometrial stromal cells*. Fertility and Sterility Vol. 90, 1390-1395.
- Fluhr H**, Krenzer S, Zygmunt M (2008). *Different regulation of tissue inhibitors of metalloproteinases-1, -2, and -3 in human endometrial stromal cells during decidualization in vitro*. Reproductive Biology and Medicine Vol. 7, 169-175.
- Fluhr H**, Ramp K, Krenzer S, Licht P, Zygmunt M (2009). *Inverse regulation of the interferon- γ -receptor and its signaling in human endometrial stromal cells during decidualization*. Fertility and Sterility Vol. 91, 2131-2136.
- Fluhr H**, Sauter G, Steinmüller F, Licht P, Zygmunt M (2009). *Non-apoptotic effects of tumor necrosis factor-related apoptosis-inducing ligand on interleukin-6, leukaemia inhibitory factor, interleukin-8 and monocyte chemoattractant protein-1 vary between un-*

differentiated and decidualized human endometrial stromal cells. Fertility and Sterility Vol. 92, 1420-1423.

Fluhr H, Spratte J, Ehrhardt J, Steinmüller F, Licht P, Zygmunt M (2010). *Heparin and low-molecular-weight heparins modulate the decidualization of human endometrial stromal cells.* Fertility and Sterility Vol. 93, 2581-2587.

Fluhr H, Spratte J, Zygmunt M (2010). *Endometriale Rezeptivität – molekulare und klinische Aspekte.* Frauenarzt Nr. 51, 226-230.

Fluhr H, Spratte J, Heidrich S, Ehrhardt J, Steinmüller F, Zygmunt M (2011). *Heparin inhibits interferon- γ signaling in human endometrial stromal cells by interference with the cellular binding of interferon- γ .* Fertility and Sterility Vol. 95 (4): 1272-1277.

Fluhr H, Wenig G, Spratte J, Heidrich S, Ehrhardt J, Zygmunt M (2010). *Non-apoptotic Fas-induced regulation of cytokines in undifferentiated and decidualized human endometrial stromal cells depends on caspase-activity.* Molecular Human Reproduction Vol. 17 (2): 127-134.

Fluhr H, Spratte J, Heidrich S, Ehrhardt J, Greinacher A, Zygmunt M (2011). *The molecular charge and size of heparins determine their impact on the decidualization of human endometrial stromal cells.* Molecular Human Reproduction, Vol. 17 (6): 354-359.

Fluhr H, Seitz T, Zygmunt M (2012). *Heparins modulate the IFN- γ -induced production of chemokines in human breast cancer cells.* Breast Cancer Research and Treatment, Vol. 137 (1): 109-118.

Spratte J, Meyer zu Schwabedissen H, Endlich N, Zygmunt M, **Fluhr H** (2012). *Heparin inhibits TNF- α signaling in human endometrial stromal cells by interaction with NF- κ B.* Molecular Human Reproduction, Vol. 19 (4): 227-236.

Fluhr H, Spratte J, Bredow M, Heidrich S, Zygmunt M (2013). *Constitutive activity of Erk1/2 and NF- κ B protects human endometrial stromal cells from death receptor-mediated apoptosis.* Reproductive Biology 13: 113-121.

Spratte J, Schönborn M, Treder N, Bornkessel F, Zygmunt M, **Fluhr H** (2015). *Heparin modulates chemokines in human endometrial stromal cells by interaction with TNF- α and thrombin.* Fertility and Sterility Vol. 103 (5): 1363-1369.

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