

# WALTRAUD THERESIA BRANDL, BSc MSc

---

## INFORMATION

+43 316 385 124 76

[waltraud.brandl@medunigraz.at](mailto:waltraud.brandl@medunigraz.at)

*health professional register* 19-GBR-086923

*date of birth* 14/01/1994 | *nationality* Austria

---

## ACADEMIC EDUCATION

2016 – 2019 University of applied science Joanneum Graz, Mass spectrometrie and molecular analytic, **MSc**

2013 – 2016 University of applied science Joanneum Graz, Biomedical science, **BSc**

2008 – 2013 Higher vocational school of economics, Ried i. I., **A-level**

---

## WORK EXPERIENCE

*Since Mai '18* **Biomedical scientist**  
Department of Obstetrics and Gynaecology, Med-Uni Graz

*Feb'18 – Dez'18* **Master internship**  
Department of Obstetrics and Gynaecology, Med-Uni Graz

*Jun'16 – Aug'17* **Biomedical scientist**  
Institution for morphological analysis and human genetic, Graz

*Mai/June'16* **Biomedical scientist, internship**  
Transfusion medicine, LKH Graz

*April'16* **Biomedical scientist, internship**  
Institution of Pathology, Innsbruck

*Oct'15 – Feb'16* **Biomedical scientist, bachelor internship**  
Department of Obstetrics and Gynaecology, Med-Uni Graz

*June'15* **Biomedical scientist, internship**  
Department of Hospital Hygiene and Microbiology, LKH Graz

*September'14* **Biomedical scientist, internship**  
Central laboratory, Barmherzigen Schwestern Ried i.I.

---

## CURRENT PROJECT

### **Transplacental migration of melanoma cells**

*Group leader: Assoz. Prof. Priv.-Doz. Mag. Dr.rer.nat. Christian Wadsack  
Univ.-Prof.in Priv.-Doz.in Dr.in med.univ. Erika Richtig*

### **Isolation and characterization of extracellular vesicle from human placenta**

*Group leader: Assoz. Prof. Priv.-Doz. Mag. Dr.rer.nat. Christian Wadsack*

---

## CO-AUTHOR

- Jantscher-Krenn E, Teichler C, **Brandl W**, Schönbacher L, Köfeler H, Desoye G, Van Poppel M: *The association of Human Milk Oligosaccharides with glucose metabolism in pregnant women at risk for gestational diabetes. The American Journal of Clinical Nutrition*. Published: 2019 September. doi:10.1093/ajcn/nqz202
  - Hirschmugl B, **Brandl W**, Csapo B, Van Poppel M, Köfeler H, Desoye G, Wadsack C, Jantscher-Krenn E: *Evidence of Human Milk Oligosaccharides in Cord Blood and Maternal-to-Fetal Transport across the Placenta*. *Nutrients*, 11(11), 2640. Published: November 2019. doi:10.3390/nu11112640
  - Cvitic S, Strutz J, Appel HM, Weiß E, **Brandl W**, Thüringer A, Bernhart EM, Lassance L, Wadsack C, Schlieffsteiner C, Sreckovic I, Kashofer K, Hiden U: *Sexual dimorphism of miRNA signatures in fetoplacental endothelial cells is associated with altered barrier function and actin organization*. *Clin Sci (Lond)*. 2020 Jan 17;134(1):39-51. doi: 10.1042/CS20190379
  - Elisa Weiß, Hannah M. Berger, **Waltraud T. Brandl**, Jasmin Strutz, Birgit Hirschmugl, Violeta Simovic, Carmen Tam-Ammersdorfer, Silviya Cvitic and Ursula Hiden: *Maternal Overweight Downregulates MME (Nepriylsin) in Feto-Placental Endothelial Cells and in Cord Blood*. *Int. J. Mol. Sci.* 2020, 21, 834. doi:10.3390/ijms21030834
- 

## MASTER THESIS

Cord Blood Human Milk Oligosaccharides alter Feto-Placental Angiogenesis in Gestational Diabetes

*Supervisor: Mag.pharm. Dr.rer.nat. Evelyn Jantscher-Krenn*

---

## BACHELOR THESIS

Analysis of Human Milk Oligosaccharides in Maternal Serum

*Supervisor: Mag.pharm. Dr.rer.nat. Evelyn Jantscher-Krenn*

---

## SKILLS

Very good laboratory skills	IT-skills	languages
<ul style="list-style-type: none"><li>• Plan and carry out experiments independently on Experimenten</li><li>• Lab organization</li><li>• Cell culture:<ul style="list-style-type: none"><li>- isolation and cultivation of feto-placental endothelial cells</li><li>- angiogenesis assays</li><li>- cultivation of melanoma cells</li><li>- Co-culture</li></ul></li><li>• Histology</li><li>• Immunological stainings</li><li>• Immunological methods</li><li>• Protein analysis</li><li>• HMO analysis</li><li>• HPLC</li></ul>	Microsoft Office 365 SAP Graphpad Prism SPSS	English: B2 Italian: A1

## HOBBIES

Team sport, handicraft work, gardening, bicycle, cooking

---