

## Alexandra Kautzky-Willer

### Key Researcher

Department of Medicine III  
Medical University of Vienna

ORCID: <https://orcid.org/0000-0002-3520-4105>

### SCIENTIFIC & ACADEMIC CAREER

- 1988: Awarded Doctor Medicinae Universae Diploma (MD): Medical school, University of Vienna, Austria
- 1996: Specialist for Internal Medicine
- 1997: Habilitation
- 1998: Awarded official title Associate Professor (a.o. Univ.-Prof.): Tenured position, Dep. of Internal Medicine III, Div. of Endocrinology and Metabolism, Medical University Vienna
- Since 2010: Professor of Gender Medicine at the Medical University Vienna, Head of the University Course Gender Medicine, Head of the Gender Medicine Unit
- 2014-2018: Deputy head of the Dep. of Internal Medicine III of the Medical University of Vienna
- Since 2018: Management Team of the Department of Medicine III and Head of the Division of Endocrinology and Metabolism of the Medical University of Vienna

### MAIN AREA OF RESEARCH

Alexandra Kautzky-Willer is Professor of Gender Medicine. She has specialized in Internal Medicine, in Endocrinology and Metabolism, and in Geriatrics and Palliative Care. Her research interests include women's and men's health, gestational diabetes, fetal programming, overweight, obesity, type 1 diabetes/autoimmunity, type 2 diabetes, metabolic syndrome, insulin resistance, beta cell function, inflammation, adipokines, endothelial dysfunction, and hormonal disorders - in general, and sex-and gender-specific aspects in particular.

### ADDITIONAL RESEARCH ACTIVITIES (10 most important)

- 2001-present: Acquisition of 23 third-party funded research grants (€ ~2.60 Mio)
- Since 2013: President of the Austrian Society of Gender-Specific Medicine
- 2017-2022: President of the International Society of Gender Medicine
- 2017-2019: President of the Austrian Diabetes Association
- 2022-2024 Vice-President of the Austrian Society of Internal Medicine

### Honors & Awards

- 2004 Joseph Hoet Research Award of the Diabetes and Pregnancy Study Group (DPSG) of the European Association for the study of diabetes (EASD)
- 2013 One of the Women Inspiring Europe (an initiative of EIGE European Institute for Gender Equality)
- 2015 Gabriele Possanner Staatspreis
- 2018 Award of the City of Vienna for Medical Sciences
- 2023 Grete Rehor Award in the category "Education, Science and the World of Work"

## 10 MOST IMPORTANT PUBLICATIONS

1. Simmons D, [...], **Kautzky-Willer A**, [...], Cheung NW TOBOGM Research Group (2023) Treatment of Gestational Diabetes Mellitus Diagnosed Early in Pregnancy. **N Engl J Med** 388(23):2132-44. doi:10.1056/NEJMoa2214956.
2. Mauvais-Jarvis F, [...], **Kautzky-Willer A**, [...], Rubin JB (2021) Sex- and Gender-Based Pharmacological Response to Drugs. **Pharmacol Rev** 73(2):730-62. doi:10.1124/pharmrev.120.000206.
3. Paolino M, [...], **Kautzky-Willer A**, Penninger JM (2021) RANK links thymic regulatory T cells to fetal loss and gestational diabetes in pregnancy. **Nature** 589(7842):442-7. doi:10.1038/s41586-020-03071-0.
4. Harreiter J, [...], **Kautzky-Willer A** (2021) Combined exenatide and dapagliflozin has no additive effects on reduction of hepatocellular lipids despite better glycaemic control in patients with type 2 diabetes mellitus treated with metformin: EXENDA, a 24-week, prospective, randomized, placebo-controlled pilot trial. **Diabetes Obes Metab** 23(5):1129-39. doi:10.1111/dom.14319.
5. Leutner M, [...], **Kautzky-Willer A** (2019) Diagnosis of osteoporosis in statin-treated patients is dose-dependent. **Ann Rheum Dis** 78(12):1706-11. doi:10.1136/annrheumdis-2019-215714.
6. Harreiter J, [...], **Kautzky-Willer A** (2019) Nutritional Lifestyle Intervention in Obese Pregnant Women, Including Lower Carbohydrate Intake, Is Associated With Increased Maternal Free Fatty Acids, 3-beta-Hydroxybutyrate, and Fasting Glucose Concentrations: A Secondary Factorial Analysis of the European Multicenter, Randomized Controlled DALI Lifestyle Intervention Trial. **Diabetes Care** 42(8):1380-9. doi:10.2337/dc19-0418.
7. Leutner M, [...], **Kautzky-Willer A** (2019) Glucagon-like peptide 1 (GLP-1) drives postprandial hyperinsulinemic hypoglycemia in pregnant women with a history of roux-en-Y gastric bypass operation. **Metabolism** 91:10-7. doi:10.1016/j.metabol.2018.10.006.
8. Harreiter J, [...], **Kautzky-Willer A** (2019) Decreased beta-cell function in breastfeeding obese and non-obese women: A prospective observational study. **Clin Nutr** 38(6):2790-2798. doi:10.1016/j.clnu.2018.11.035.
9. **Kautzky-Willer A**, Harreiter J, Pacini G (2016) Sex and Gender Differences in Risk, Pathophysiology and Complications of Type 2 Diabetes Mellitus. **Endocr Rev** 37(3):278-316. doi:10.1210/er.2015-1137.
10. Stefan N, [...], **Kautzky-Willer A**, [...], Furst-Recktenwald S (2014) Inhibition of 11beta-HSD1 with RO5093151 for non-alcoholic fatty liver disease: a multicentre, randomised, double-blind, placebo-controlled trial. **Lancet Diabetes Endocrinol** 2(5):406-16. doi:10.1016/S2213-8587(13)70170-0.