

08. 02. 2021

CURRICULUM VITAE

NAME Kuchler, Ulrike * 20. 1. 1978	POSITION TITLE <i>Associate Professor</i>
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EDUCATION/TRAINING			
INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
Medical University of Vienna	MD	2007	Medicine
Medical University of Vienna	DMD	2006	Dentistry

1. Education, Positions, Tasks, and Honors

1.1. Education

10/2016 Associate Professor, Medical University of Vienna
06/2015 Habilitation
2011-2013 Training in Oral Surgery and Stomatology, School of Dental Medicine, Univ. of Bern
2011 University Lecturer; Medical University of Vienna
1996-2007 *Dr. med. univ. 29. 3. 2007 (MD);* Medical University of Vienna
1999-2006 *Dr. med. dent. 6. 6. 2006 (DMD);* Medical University of Vienna

1.2. Academic positions

Current Associate Professor Medical University of Vienna (MUV)
2014, 2016, 2019 External lecturer Medical University of Vienna (MUV)
2019 Pregnancy career break (02/2019- 03/2020) (*20.03.2019)
2016 Pregnancy career break (10/2015- 03/2016) (*27.12.2015)
2014 Pregnancy career break –(04/2014- 09/2014) (*29.06.2014)
Since 10/2013 Assistant Professor at the Department of Oral Surgery (Prof. C. Ulm), 100%
Bernhard Gottlieb Universitätszahnklinik, Medical University of Vienna
10.2012- 09-2011 Assistant Doctor& Research Fellow at the Department of Oral Surgery (Prof. D. Buser)
School of Dental medicine, University of Bern Switzerland 100%
10.2011-09.2012 ITI Scholar at the Department of Oral Surgery and Stomatology (Prof. D. Buser), School of
Dental Medicine, University of Bern, Switzerland
2007- 2011 Assistant Doctor, Department of Oral Surgery (Prof. G. Watzek), School of Dental Medicine,
Medical University of Vienna, Austria 100%

1.3. Preacademic positions

2004-2005	Board member at the "Emergency Medical Service Vienna" ("Ärztfunkdienst Wien")
2000-2005	Dispatcher in the "Emergency Medical Service Vienna" ("Ärztfunkdienst Wien") 100%
1999-2003	Dental assistant in Private practice

1.4. Post-graduate courses

2014/2016	Education Mentoring Program for Students
2014/2016	Senior Mentoring Program (Mentee)
2012	Master Course in Regenerative and Esthetic Periodontal Therapy (Bern, Switzerland)
2012	Master Course in Esthetic Implant Dentistry (Bern Switzerland)
2012	Master Course in Guided Bone Regeneration (Bern, Switzerland)
2011	Medical Education at the Medical University of Vienna (Austria)
2011	Perfecting Small Group Teaching Skills (Vienna, Austria)
2011	The Art of Lecturing: Intensive course on scientific presentation (Vienna, Austria)
2011	Medical English: Lectures and Presentations (Vienna, Austria)
2011	§§ 26 und 27-Projekte (Vienna, Austria)
2010	ITI Education Week (Bern, Switzerland)
2009	7th Summer Academy of the "Deutsche Gesellschaft für Implantologie", (Kiel, Germany)
2008-2009	Curriculum for young scientists at the Medical University of Vienna (Austria)

1.5. Honors

2018	Senior Position in the "EAO Research Competition Prize 2018"
2016	Award by the Austrian Dental and Industry Society (österreich. Dentalverband "ODV Preis")
2014	"Rudolf Slavicek Prize" awarded by ÖGZMK (Austrian Dental Society)
2013	"Osteology Research Prize" 2 nd Place, International Osteology Symposium Monaco
2012	"Researcher of the month" March; awarded by the Medical University of Vienna
2010	"Basic research competition" 1 st Place at the EAO meeting, Glasgow, Scotland
2006	Best diploma work at the Dental School awarded by ÖGZMK
2002	Bank Austria Award "Innovation in education" at the MUW, Prof. F. Sterz (PI)

1.6 Tasks

2019/2020	Member of the EAO Affiliation Subcommittee for Education in Implant dentistry
2018-2020	Head of Austrian Oral Surgery Society OCMR (Orale Chirurgie Medizin und Radiologie) www.ocmr.at
2018	Chair of the Accreditation Process "Dental Medicine" nominates by the AAQ (Schweizerische Agentur für Akkreditierung und Qualitätssicherung)
2014 - 2016	Founding Member & Organizing Committee of the EACH Meeting (Research & Friendship between the 3 countries E= (Espagna), A= (Austria), CH= (Switzerland))

2. Scientific impact and list of publications

2.1. Collaboration Partners national and international (1/2021)

MUV: Department of Dermatologie (Assoz. Prof. PD Dr. Mildner M., Dr Strobl J.)

Department of Neuroimmunology (Univ.-Prof.PhD Adameyko I.)

Department of Orthopedics and Trauma Surgery, Karl Chiari Lab for Orthopaedic Biology,
(Assoz. Prof. Mag. Tögel S., Dr. Alphonsus J)

International: Department of Histology and Embryology, Faculty of Medicine, Masaryk University, Brno, Czech Republic (Dr. Krivanek J.)

Department of Periodontology, Research Institute for Periodontal Regeneration, College of Dentistry, Yonsei University, Seoul, Korea (Prof. Lee J.S)

Clinic of Reconstructive Dentistry, Center of Dental Medicine, University of Zurich, Zürich, Switzerland (Dr. Strauss F.J.)

2.2. Peer-reviewed publications (1/2021)

1. Kuchler U, Heimel P, Stähli A, Strauss FJ, Luza B, Gruber R. Impact of DBBM Fragments on the Porosity of the Calvarial Bone: A Pilot Study on Mice. *Materials (Basel)*. 2020 Oct 23;13(21):4748.
2. Krivanek J, Soldatov RA, Kastriti ME, Chontorotzea T, Herdina AN, Petersen J, Szarowska B, Landova M, Matejova VK, Holla LI, Kuchler U, Zdrilic IV, Vijaykumar A, Balic A, Marangoni P, Klein OD, Neves VCM, Yianni V, Sharpe PT, Harkany T, Metscher BD, Bajénoff M, Mina M, Fried K, Kharchenko PV, Adameyko I. Dental cell type atlas reveals stem and differentiated cell types in mouse and human teeth. *Nat Commun*. 2020 Sep 23;11(1):4816.
3. Feher B, Lettner S, Heinze HG, Karg F, Ulm CW, Gruber R, Kuchler U. An advanced prediction model for postoperative complications and early implant failure" in its current form for publication in *Clinical Oral Implants Research*. Accepted Paper: 10.07.2020
4. Feher B, Gruber R, Gahleitner A, Celar A, Necsea PL, Ulm C, Kuchler U. Angular changes in implants placed in the anterior maxillae of adults: a cephalometric pilot study. *Clin Oral Investig*. 2020 Jul 13. doi: 10.1007/s00784-020-03445-8. Online ahead of print.PMID: 32661606
5. Strauss FJ, Kuchler U, Kobatake R, Heimel P, Tangl S, Gruber R. Acid bone lysates reduce bone regeneration in rat calvaria defects.*J Biomed Mater Res A*. 2020 Jun 30. doi: 10.1002/jbm.a.37050. Online ahead of print.PMID: 32608132
6. Bertl K, Ebner M, Knibbe M, Pandis N, Kuchler U, Ulm C, Stavropoulos A. How old is old for implant therapy in terms of early implant losses? *J Clin Periodontology* 2019 Dec;46(12):1282-1293. doi: 10.1111/jcpe.13199. Epub 2019 Nov 8.
7. Kuchler U, Dos Santos GM, Heimel P, Stähli A, Strauss FJ, Tangl S, Gruber R. DBBM shows no signs of resorption under inflammatory conditions. An experimental study in the mouse calvaria. *Clin Oral Implants Res*. 2020 Jan;31(1):10-17. doi: 10.1111/clr.13538. Epub 2019 Sep 30.
8. Wagner T, Beer L, Gschwandtner M, Eckhart L, Kalinina P, Laggner M, Ellinger A, Gruber R, Kuchler U, Golabi B, Tschachler E, Mildner M. The differentiation-associated keratinocyte protein cornifelin contributes to cell-cell adhesion of epidermal and mucosal keratinocytes.*J Invest Dermatol*. 2019 May 23. pii: S0022-202X(19)31569-6. doi: 10.1016/j.jid.2019.04.019. Epub ahead of print
9. Kuchler U, Rybaczek T, Dobask T, Heimel P, Tangl S, Klehm J, Menzel M, Gruber R. Bone-conditioned medium modulates the osteoconductive properties of collagen membranes in a rat calvaria defect model. *Clin Oral Implants Res*. 2018 Apr;29(4):381-388. doi: 10.1111/clr.13133. Epub 2018 Feb 16.

10. Kuchler U, Rudelstorfer MC, Barth B, Tepper G, Lidinsky D, Heimel P, Watzek G, Gruber R Crestal sinus augmentation with BMP-2: clinical and radiographic outcomes after two years of a pilot Trial accepted in International Journal of Oral Maxillofacial Implants. 10.09.2016
11. Kuchler U, Chappuis V, Bornstein MM, Siewczyk M, Gruber R, Maestre L, Buser D. Development of Implant Stability Quotient values of implants placed with simultaneous sinus floor elevation - results of a prospective study with 109 implants. Clin Oral Implants Res. 2016 Jan 16. doi: 10.1111/clr.12768. [Epub ahead of print]
12. Chappuis V, Cavusoglu Y, Gruber R, Kuchler U, Buser D, Bosshardt DD, Osseointegration of Zirconia in the Presence of Multinucleated Giant Cells. Clin Implant Dent Relat Res. 2015 Sep 17. doi: 10.1111/cid.12375. [Epub ahead of print]
13. Rybacek T, Tangl S, Dobsak T, Gruber R, Kuchler U, The effect of parathyroid hormon on osseointegration in insulin-treated diabetic rats, Implant Dent. 2015 Aug;24(4):392-6. doi: 10.1097
14. Kuchler U, Chappuis V, Gruber R, Lang NP, Salvi GE, Immediate implant placement with simultaneous guided bone regeneration in the esthetic zone: 10-year clinical and radiographic outcomes. Epub in Clin Oral Implants Res 22.04.2015 Clin Oral Implants Res. 2016 Jan 16. doi: 10.1111
15. Bornstein MM, Engel-Brügger O, Janner S, Kuchler U, Chappuis V, Jacobs R, Buser D (2015), Indications and Frequency for the Use of Cone Beam Computed Tomography for Implant Treatment Planning in a Specialty Clinic Int J Oral Maxillofac Implants. Sep-Oct;30(5):1076-83
16. Kuchler U, Keibl C, Fügl A, Schwarze UY, Tangl S, Agis H, Gruber R (2015), Dimethylxaloylglycine lyophilized onto bone substitutes increase vessel area in rat calvarial defects. Clin Oral Implants Res. May;26(5):485-91
17. Engel Brügger O, Bornstein M.M., Kuchler U, Janner S, Buser D (2015), Implant Therapy in a Surgical Specialty Clinic: A Retrospective Analysis of Patients, Indications, Surgical Procedures, Risk Factors and Early Failures, Int J Oral Maxillofac Implants. Jan-Feb;30(1):151-60
18. Brolese E, Buser D, Kuchler U, Schaller B, Gruber R (2015), Human bone chips release of sclerostin and FGF-23 into the culture medium: an invitro pilot study Clin Oral Implants Res. Oct;26(10):1211-4
19. Kuchler U*, Schwarze UY*, Dobsak T, Heimel P, Bosshardt D, Kneissel M, Gruber R. (2014) *Contributed equally; Dental and periodontal phenotype in sclerostin knockout mice Int J Oral Sci. 2014 Jun;6(2):70-6. doi: 10.1038
20. Kuchler U, Schmid C, Buser D, Gruber R. (2014) The shape of a bone scraper: an in vitro pilot study using porcine bone chips. Int J Oral Maxillofac Surg. Jul;43(7):879-82.
21. Kuchler U, von Arx T (2014), Horizontal ridge augmentation in conjunction with or prior to implant placement in the anterior maxilla: a systematic review. International Journal of Oral Maxillofacial Implants. 29 Suppl:14-24
22. Kuchler U, Luvizuto ER, Munoz F, Hofbauer J, Watzek G, Gruber R (2013). Bone healing around titanium implants in two rat colitis models. Clin Oral Implants Res 24:224-229.
23. Kuchler U, Pflugstner G, Busenlechner D, Dobsak T, Reich K, Heimel P, Gruber R. (2013). Osteocyte lacunar density and area in newly formed bone of the augmented sinus. Clin Oral Implants Res 24:285-289..
24. Bornstein MM, Al Nawas B, Kuchler U, Tahmaseb A (2013). Consensus Statements and Recommended Clinical Procedures Regarding Contemporary Surgical and Radiographic Techniques in Implant Dentistry. Int J Oral Maxillofac Implants. 29 Suppl:78-82
25. Braut V, Bornstein MM, Kuchler U, Buser D (2013). Bone dimensions in the posterior mandible. A retrospective radiographic study using CBCT. Part 2 - Analysis of edentulous sites. . manuscript 1895 - Decision - International Journal of Periodontics & Restorative Dentistry
26. Buser D, Chappuis V, Kuchler U, Bornstein MM, Wittneben JG, Buser R et al. (2013). Long-term Stability of Early Implant Placement with Contour Augmentation. J Dent Res. Dec;92 (12 Suppl):176-82

27. Kuchler U, Luvizuto ER, Tangl S, Watzek G, Gruber R (2011a). Short-term teriparatide delivery and osseointegration: a clinical feasibility study. *J Dent Res* 90:1001-1006.
28. Kuchler U, Spilka T, Baron K, Tangl S, Watzek G, Gruber R (2011). Intermittent parathyroid hormone fails to stimulate osseointegration in diabetic rats. *Clin Oral Implants Res* 22:518-23.
29. Glösel B, Kuchler U, Watzek G, Gruber R (2010). A review of dental implant rat research models simulating osteoporosis or diabetes. *Int J Oral Maxillofac Implants* 25:516-24.
30. Gahleitner A, Kuchler U, Homolka P, Heschl J, Watzek G, Imhof H (2008). High-resolution CT of transplanted teeth: imaging technique and measurement accuracy. *Eur Radiol* 18:2975-2980.

3. Research Funding – Conflict of Interest

3.1. Research Funding as principal investigator (PI)

Medical scientific Fund of the Mayor of the City of Vienna: #15147

Kuchler (PI) – 2016 Project Amount: 5.000-€

Österreichische Nationalbank Jubiläumsfonds: #13869

Kuchler (PI)- 2010 Project Amount: 33.000.-€

Medical scientific Fund of the Mayor of the City of Vienna: #09022

Kuchler (PI) – 2009 Project Amount: 16.000.-€

Osteology Foundation Project: #08-12

Kuchler (PI) – 2009 Project Amount: 33.000.-€

3.2. Research Funding as Co- principal investigator (Co-PI)

Osteology Foundation Project: #14-126

Kuchler (Co-PI)- 2015 Project Amount 75.000CHF (PI Gruber R.)

AP0074OFF

“Resorption of bone substitutes in an inflammatory environment: a preclinical study”

Herzfeld Foundation Project

Kuchler (Co-PI) – 2015 Project Amount: 30.000 € (PI Gruber R.)

AP0069OFF

“Influence of bone conditioned medium on graft consolidation in aged rats”

ITI Foundation Project: #RCL 1085- 2015

Kuchler (Co-PI) – 2015 Project Amount: 37.368.-€ (PI Agis H.)

“Functionalizing of biomaterials with the secretome of hypoxia-conditioned oral cells to overcome compromised healing”

ITI Foundation Project: #RCL 653- 2010

Kuchler (Co-PI) – 2010 Project Amount: 45.000.-€ (PI Gruber R.)

Title: “Hypoxia-mimetic agents - New strategies to stimulate angiogenesis and graft consolidation.”

3.3 ITI Scholarship 2011-2012 University of Bern Switzerland Amount 40 000CHF

3.4 Studies supported by Osstell Company AB, Göteborg, Sweden, Institut Straumann AG, Basel



Vienna , 08.02.2021

Assoz. Prof. Ulrike Kuchler