

ASSOC. PROF. DR. ENIKŐ KÁLLAY

Dept. Pathophysiology and Allergy Research, Medical University of Vienna,
Währinger Gürtel 18-20, A-1090 Vienna, Austria.

<https://www.meduniwien.ac.at/hp/ipa/forschung/forschungsgruppen/kallay-enikoe-tumour-pathology/>

RESEARCH PROFILE

To understand and unveil biochemical and molecular mechanisms of the anti-tumourigenic effects of vitamin D and dietary calcium for colon cancer prevention. To identify premalignant and early malignant markers of colorectal tumours.

To study site- and gender-specificities of human colorectal cancer.

To examine calcium-dependent anti-tumourigenic molecular mechanisms and the role of the calcium sensing receptor (CaSR) in colon carcinogenesis.

To find means to induce the expression of the intestinal CaSR by nutritional factors, such as vitamin D, high protein diet.

To investigate genetic and epigenetic effects of vitamin D as physiological defence against colon, prostate, mammary tumour progression.

EDUCATION

1981	MSc in biology	University of Bucharest
1999	PhD. in biochemistry	University of Vienna
2004	Habilitation for Experimental Pathology	Medical University of Vienna

PROFESSIONAL EXPERIENCE

1981-1999	Researcher	Research Station for Animal Breeding; Romania
1992-2007	Researcher	Department Pathophysiology, Medical University of Vienna
2007-2008	Marie Curie Fellow	University of Oxford, UK
2008-2012	Assistant Prof.	Department Pathophysiology, Medical University of Vienna
2012 -	Associate Prof.	Dept. Pathophysiol. & Allergy Res., Medical Univ. Vienna

FUNDING AGENCY

FUNDING AGENCY	PERIOD	TITLE
FWF	2017-2021	"Loss of the calcium-sensing receptor in colorectal tumourigenesis: a major event or another collateral damage? (P29948-B28)
Horizon2020 / MSCA / ITN	2016-2020	Coordinator: Calcium Sensing Receptor (CaSR) Therapeutics for non-communicable diseases. (675228)
FWF	2014-2018	Ca ²⁺ signalling in BRAF mutant tumors: therapeutic resistance and drug combinations. (I 1662-B13)
WWTF	2013-2018	Dietary vitamin D, a powerful weapon in the war against colorectal cancer.

EU: FP7 / ITN	2011-2014	Coordinator: The role of the Calcium Sensing Receptor (CaSR) in health and diseases, implications for translational medicine. (Multifaceted CaSR) (FP7-264663)
Herzfelder'sche Familienstiftung	2010-2012	Is the calcium sensing receptor a tumour suppressor in colorectal cancer?
FWF	2009-2013	Is cyp24a1 a proto-oncogene? A novel role for the catabolic vitamin D ₃ hydroxylase in colorectal tumourigenesis (P22200).
MEIF-CT-2007	2007-2008	Role of the calcium-sensing receptor in preventing colonic hyperproliferation (041276), fellow at Oxford University
Austrian National Bank	2002-2004	Oral calcium and colorectal cancer prevention: mechanisms of action in an animal model (9335):

PUBLICATIONS

Publications	68
H-index	30
Citations	2253

TEACHING EXPERIENCE:

Teaching at the Medical University of Vienna: lectures, seminars, support of PhD students. Mentor in the “**Frauen.netz.werk Medizin**” Program of the Medical University of Vienna.

MEMBERSHIPS:

Austrian Society for Bone and Mineral Research; International Bone and Mineral Society; Austrian Society for Endocrinology and Metabolism; Austrian Biochemical Society; European Calcium Society; European Calcified Tissue Society. American Association for Cancer Research (Women in Cancer Research); European Association for Cancer Research

AWARDS:

Bristol-Myers Squibb Oncology Travel Award; at the Annual Meeting of the AACR, Washington D.C. 1996.
Poster award of the ASBMR. at the Int. Conference: Progress in Bone and Mineral Research, Vienna, 1998.
Int. Society for Preventive Oncology Travel Grant Award at the Int. Symposium on Predictive and Preventive Oncology, Nice, 1998.

AD HOC REVIEWER FOR:

Cancer Research, Clinical Cancer Research, Cancer Letters, FEBS Letters, Experimental Gerontology, Journal of Pharmacy and Pharmacology, Journal of the Pancreas, Journal of Endocrinology, Endo, Endocrine Connections, European Journal of Pharmacology, Molecular Cancer Therapeutics, Journal of Steroid Biochemistry and Molecular Biology, Molecular Nutrition & Food Research, Oncotarget, PLoS One, Molecular and Cellular Endocrinology, Frontiers in Physiology, BMC Cancer, Cancer Medicine, Clinical Colorectal Cancer, Biochim Biophys Acta Molecular Research, Brit. J. Cancer.

World Cancer Research Fund, The Research Foundation – Flanders, Anniversary Fund of the Austrian National Bank. Belgian Foundation Against Cancer, Cancer Research UK, European Commission (FP7-PEOPLE; Horizon 2020 Marie Skłodowska Curie Actions).

EXTERNAL REVIEWER (OPPONENT) OF THESIS EXAMS IN:

Portugal (University of Porto)

Belgium (University of Leuven)

Vienna (University of Vienna)

United Kingdom (Cardiff University, Manchester University)

France (University of Picardie Jules Verne, Amiens)

Finland (University of Eastern Finland, Kuopio)