

Dr. med. VICTORIA STARY, PhD

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APPOINTMENTS

Since Jan. 2024	Position as Board-certified General Surgeon
Full-time research position, Department of General Surgery, Medical University of Vienna, Vienna, Austria	
Sep. 2023 – Dec. 2023	Residency
Department of General Surgery, Medical University of Vienna, Vienna, Austria	
Sep. 2022 – Aug. 2023	Physician Researcher Pathway
Full-time research position, Medical University of Vienna, Vienna, Austria	
Dec. 2020 – Aug. 2022	Maternity Leave
Feb. 2015 – Nov. 2020	Residency
Department of General Surgery, Medical University of Vienna, Vienna, Austria	
Nov. 2014 – Jan. 2015	Residency
Department of Anesthesiology, Herz-Jesu Krankenhaus, Vienna, Austria	
Aug. 2010 – Aug. 2011	Research Fellowship
Cardiovascular Research Group, Massachusetts General Hospital, Harvard Medical School, Boston, MA, USA	

EDUCATION

June 2025	PhD (UN094)
At the Crossroads of Innate and Adaptive Immunity in the Gastrointestinal Tract - Medical University of Vienna, Vienna, Austria	
Supervisor: Univ.-Prof. Dipl.-Ing. Dr. Hannes Stockinger, Center for Pathophysiology, Infectiology and Immunology, Institute for Hygiene and Applied Immunology	
Dec. 2023	Board-certified General Surgeon
Sep. 2015	Dr. med. (Doctoral Degree)
SERCA2a Upregulation Ameliorates Cellular Alternans Induced by Metabolic Inhibitions - Charité, Medical University, Berlin, Germany	
2007-2014	Medical School
Charité, Medical University, Berlin, Germany	

AWARDS (short list)

July 2021	Researcher of the Month
Medical University Vienna, Vienna, Austria	
June 2021	ACO-ASSO Prize
For the publication: Short-course radiotherapy promotes pro-inflammatory macrophages via extracellular vesicles in human rectal cancer. J Immunother Cancer. 2020	
June 2021	Poster Award, PhD Symposium
The role of $\gamma\delta$ T cells in colorectal cancer	

GRANTS

June 2023	Medical-Scientific Fund of the Mayor of Vienna, Margaretha Hehberger-Krebsforschungsfond (58.000 Euro)
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Co-dependency of B cells and NK cells in human colorectal cancer

Feb. 2019 **Ingrid Shaker Nessmann Grant (20.000 Euro)**

$\gamma\delta$ T cells in human colorectal cancer: regulatory control of the tumor microenvironment?

Ingrid Shaker Nessmann Grant

Sep. 2018 **Georg Stumpf Stipend (10.000 Euro)**

Austrian Society of Surgical Oncology (ACO-ASSO)

The relevance of checkpoint receptors on NK cells of human colorectal cancer

June 2018 **CCC Grant (50.000 Euro)**

Comprehensive Cancer Center Vienna, Forschungsförderung der Initiative Krebsforschung

Tumor-associated macrophages in the context of the leukocytic infiltration in irradiated human rectal cancer and 3D co-culture models

Oct. 2017 **Travel Grant**

Travel expenses covered for Tumورimmunology Course, Naples, Italy

Oct. 2013 **PROMOS Scholarship (600Euro)**

Deutscher Akademischer Austauschdienst (DAAD) - for a subinternship at Johns Hopkins

Hospital, Baltimore, USA

Aug. 2012 **Scholarship Doctoral Thesis (500Euro)**

Ärztefinanzzentrum, Berlin, Germany

July 2011 **Scholarship Research USA (6.000 Euro)**

Stiftung Charité, Berlin - for a research fellowship at Massachusetts General Hospital, Boston, USA

CLINICAL EXPERIENCE (short list)

Dec. 2013 – Feb. 2014 **General, Visceral and Transplant Surgery**

Virchow-Klinikum Charité, Berlin, Germany

Oct. 2013 – Dec. 2013 **Transplant Surgery und Orthopaedic Surgery**

Johns Hopkins Hospital, Baltimore, USA

July 2013 – Oct. 2013 **Radiology**

Virchow-Klinikum Charité, Berlin, Germany

Feb. 2013 – June 2013 **Internal Medicine**

Universitätsspital Zurich, Switzerland

MEMBERSHIPS

Austrian Society for Surgery, ÖGCH

Austrian Society of Surgical Oncology, ACO-ASSO

Austrian Society for Immunology and Allergology, ÖGAI

Next Generation Immunologists, NGI

Society for Natural Immunity, SNI

European Crohn's and Colitis Organisation, ECCO

PUBLICATIONS

Original Articles

Stary V, Pandey RV, List J, Kleissl L, Deckert F, Kabiljo J, Laengle J, Gerakopoulos V, Oehler R, Watzke L, Farlik M, Lukowski SW, Vogt AB, Stary G, Stockinger H, Bergmann M, Pilat N. Dysfunctional tumor-infiltrating V δ 1 + T lymphocytes in microsatellite-stable colorectal cancer. *Nat Commun*. 2024 Aug 13;15(1):6949. doi: 10.1038/s41467-024-51025-1

Redl A, Doberer K, Unterluggauer L, Kleissl L, Krall C, Mayerhofer C, Reininger B, **Stary V**, Zila N, Weninger W, Weichhart T, Bock C, Krausgruber T, Stary G. Efficacy and safety of mTOR inhibition in cutaneous sarcoidosis: a single-centre trial. *Lancet Rheumatol*. 2024 Feb;6(2):e81-e91. doi: 10.1016/S2665-9913(23)00302-8

Stary V, Pandey RV, Strobl J, Kleissl L, Starlinger P, Fischer GF, Bock C, Farlik M, Stary G: Human epigenetically primed memory NK cells mediate antigen-specific immune responses. *Sci. Immunol*. 5, eaba6232. doi: 10.1126/sciimmunol.aba6232

Stary V, Wolf B, Unterleuthner D, List J, Talic M, Laengle J, Beer A, Strobl J, Stary G, Dolznig H, Bergmann M, Short-course radiotherapy promotes pro-inflammatory macrophages via extracellular vesicles in human rectal cancer. *J Immunother Cancer*. 2020 Aug;8(2):e000667. doi: 10.1136/jitc-2020-000667

Stary V and Stary G: NK Cell-Mediated Recall Responses: Memory-Like, Adaptive, or Antigen-Specific? *Front. Cell. Infect. Microbiol*. 2020 10:208. doi: 10.3389/fcimb.2020.00208

Stary V, Puppala D, Scherrer-Crosbie M, Dillmann WH, Armoundas AA: SERCA2a upregulation ameliorates cellular alternans induced by metabolic inhibition. *J Appl Physiol*, 2016 Apr 15;120(8):865-75. doi: 10.1152/jappphysiol.00588.2015

Stary V, Malinowski M, Lock JF, Schultz A, Jara M, Seehofer D, Gebauer B, Denecke T, Geisel D, Neuhaus P, Stockmann M: Factors influencing hypertrophy of the left lateral liver lobe after portal vein embolization. *Langenbecks Arch Surg*. 2015 Feb;400(2):237-46. doi: 10.1007/s00423-014-1266-7

Malinowski M, Lock JF, Seehofer D, Gebauer B, Schulz A, Demirel L, Bednarsch J, **Stary V**, Neuhaus P, Stockmann M: Preliminary study on liver function changes after trisectionectomy with versus without prior portal vein embolization. *Surg Today*. 2016 Sep;46(9):1053-61. doi: 10.1007/s00595-015-1293-1

Geisel D, Malinowski M, Powerski MJ, Wüstefeld J, **Heller V**, Denecke T, Stockmann M, Gebauer B.: Improved Hypertrophy of Future Remnant Liver after Portal Vein Embolization with Plugs, Coils and Particles. *Cardiovasc Intervent Radiol*. 2014 Oct;37(5):1251-8. doi: 10.1007/s00270-013-0810-0

Merchant FM, Sayadi O, Puppala D, Moazzami K, **Heller V**, Armoundas AA. A translational approach to probe the proarrhythmic potential of cardiac alternans: a reversible overture to arrhythmogenesis? *Am J Physiol Heart Circ Physiol*. 2014 Feb 15;306(4):H465-74. doi: 10.1152/ajpheart.00639.2013

Iyer V, **Heller V**, Armoundas AA: Altered Spatial Calcium Regulation Enhances Electrical Heterogeneity in the Failing Canine Left Ventricle: Implications for Electrical Instability. *J Appl Physiol*. 2012 Mar;112(6):944-55. doi: 10.1152/jappphysiol.00609.2011

Abstracts (short list)

Oral Presentations:

- Clinical Congress 2018, American College of Surgeons, Boston, USA
- NK cell Symposium 2018, Hamburg, Germany
- NK cell meeting, Society for Natural Immunity 2018, San Antonio, Texas, USA
- Annual German Congress for Surgery 2018, Berlin, Germany
- International Congress for Immunology (ICI) 2016, Melbourne, Australia

Poster Presentations:

- European Congress of Immunology 2018, Amsterdam, Netherlands
- CCC-TRIO-Symposium 2018, Vienna, Austria
- Radiation Break-through Conference, European Association of Cancer Research (EACR) 2018, Oxford, Great Britain
- Immunotherapy of Cancer Conference (ITOC) 2018, Berlin, Germany