



Dr. med. VICTORIA STARY

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APPOINTMENTS

Feb. 2015 – present

Residency

Department of General Surgery, Medical University of Vienna, Vienna, Austria

Nov. 2014 – Jan. 2015

Residency

Department of Anaesthesiology, Herz-Jesu Krankenhaus, Vienna, Austria

Aug. 2010 – Sept. 2011

Research Fellowship

Cardiovascular Research Group, Massachusetts General Hospital,
Harvard Medical School, Boston, MA, USA

EDUCATION

Oct. 2019 – present

PhD

$\gamma\delta$ T cells in human colorectal cancer - mediators of antitumor immunity
Supervisor: Prof. Dipl.-Ing. Dr. Hannes Stockinger, Center for Pathophysiology, Infectiology
and Immunology (Institute for Hygiene and Applied Immunology)

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

RESEARCH EXPERIENCE

April 2015 – present

Department of Dermatology, Medical University of Vienna, AT
NK cell-mediated antigen-specific memory of haptens and viruses in human.

April 2015 – present

Department of Surgery, Medical University of Vienna, AT
Immune infiltrate in colorectal cancer.

Oct. 2011 – March 2014

Department of General, Visceral and Transplant Surgery, Charité, Berlin, GER
“Workgroup for the liver”, functional liver assessment using the LiMAx test.

AWARDS/GRANTS

July 2021

Researcher of the Month

Medical University Vienna, Vienna, Austria

June 2021

ACO-ASSO Preis

June 2021

Poster Award, PhD Symposium

Feb. 2019

Ingrid Shaker Nessmann Grant (20.000 Euro)

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

Sep. 2018

Georg Stumpf Stipendium (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

Nov. 2017

Presentation Award

Austrian Society for Surgical Research

Oct. 2017

Travel Grant

Travel expenses covered for Tumorimmunology Course, Naples, Italy

Oct. 2013

PROMOS Scholarship (600 Euro)

Deutscher Akademischer Austauschdienst (DAAD) - for a subinternship at Johns
Hopkins Hospital, Baltimore, USA

Aug. 2012

Scholarship Doctoral Thesis (500 Euro)

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

PUBLICATIONS

Original Articles

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 (IF: 13.440)

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 (IF: 10.252)

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 (IF: 4.123)

Stary V, Puppala D, Scherrer-Crosbie M, Dillmann WH, Aroundas 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 (IF: 3.044)

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 (IF: 2.184)

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 (IF: 1.878)

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 (IF: 2.034)

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 (IF: 3.864)

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 (IF: 3.044)

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