

Katarzyna Trebska, MD
Curriculum Vitae
Ironwood Cancer & Research Centers, a Division of Ironwood Physicians, PC

Fellowship UNIVERSITY OF TENNESSEE HEALTH SCIENCE CENTER
FELLOW IN COMPLEX SURGICAL ONCOLOGY
Memphis, TN
August 2019 – July 2021

Residency VCU HEALTH SYSTEM
GENERAL SURGERY RESIDENT
Richmond, VA
July 2016 – June 2019

**Immunotherapy
Fellowship** SURGERY BRANCH
NATIONAL CANCER INSTITUTE
FELLOW IN IMMUNOTHERAPY
Bethesda, MD
July 2015 – June 2016

Supervisor: Steven A. Rosenberg, M.D., Ph.D

Worked as an associate investigator on multiple immunotherapy clinical trials including following treatment approaches: check-point inhibitors, adoptive cellular therapy (CAR-T, TCR and TIL), immunocytokines and their combination.

**Research
Fellowship** NATIONAL CANCER INSTITUTE
NATIONAL INSTITUTES OF HEALTH
SURGICAL ONCOLOGY CLINICAL AND RESEARCH FELLOW
Bethesda, MD
July 2013 – June 2015

Supervisors: Steven A. Rosenberg, M.D., Ph.D. and Paul Robbins Ph.D.

Participated in immunotherapy research focused on developing novel approaches to identifying mutation-specific T-cells in patients with metastatic malignancies. Investigated the use of MHC-multimer technology for identification and selection of cancer reactive T-cells for use in adoptive cell transfer.

Residency VCU HEALTH SYSTEM
GENERAL SURGERY RESIDENT
Richmond, VA
July 2011 – June 2013

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Education

VCU SCHOOL OF MEDICINE
Richmond, VA
Doctor of Medicine, August 2007 – May 2011

GEORGE MASON UNIVERSITY
Fairfax, VA
B.S. in Biology, *summa cum laude*, August 2004 – May 2007

NORTHERN VIRGINIA COMMUNITY COLLEGE
Annandale, VA
August 2002 – May 2004

UNIVERSITY OF LODZ, POLAND
“Licencjat Degree” in Teaching English as a Foreign Language (B.A. equivalent), October 1998 – June 2001

Employment and Extracurricular Activities

09/2021 – current IRONWOOD PHYSICIANS, PC
Breast Surgical Oncologist

03/2011 – 03/2011 MEDICAL UNIVERSITY OF POZNAN, POLAND
Supervisor: Michael Czekajlo, M.D., Ph.D.

Assisted in establishing the first medical simulation lab in Poland using High Fidelity Simulation Mannequins. Developed and implemented teaching scenarios, and conducted debriefing sessions with students.

08/2010 – 08/2011 VCU SCHOOL OF MEDICINE

Served as a co-instructor, together with an experienced physician, for Foundations of Clinical Medicine - a year-long course for second year medical students designed to help develop interviewing, physical exam and clinical reasoning skills.

08/2008 – 05/2011 INTERNATIONAL TRAUMA SYSTEM DEVELOPMENT PROGRAM, VCU MEDICAL CENTER
RESEARCH ASSISTANT
Supervisor: Michel Aboutanos, M.D.

Assisted in creation of electronic trauma registry with a purpose of enhancement and development of international systems for the prevention, diagnosis and treatment of trauma in developing countries.

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- 08/2008 – 08/2009 VCU SCHOOL OF MEDICINE
CENTER FOR TRAUMA AND CRITICAL CARE EDUCATION
- Worked as an American Heart Association BLS Instructor.
- 08/2007 – 07/2009 VCU SCHOOL OF MEDICINE
OPERATION HELPING HANDS
- Served as the Vice President and a Co-President of the student chapter of Operation Helping Hands, an organization promoting development of international humanitarian and medical missions. Planned fundraising events and promoted community awareness of poverty in developing countries by establishing relationships with several elementary and secondary. Participated in assembling a mission and traveled to Taisha in the Ecuadorian Amazon Jungle.
- 01/2007- 06/2007 WALTER REED ARMY INSTITUTE OF RESEARCH
Silver Spring, MD
RESEARCH ASSISTANT
Supervisor: Robert Kaminski, Ph.D.
- Assisted with the research on development of an attenuated vaccine against *S. flexneri*.
- 01/2005 – 01/2007 GEORGE MASON UNIVERSITY, DEPARTMENT OF
PSYCHOLOGY
Supervisor: Jane Flinn, Ph.D.
- Participated in development of animal model of Alzheimer's Disease and conducted experiments to test the effects of zinc and copper on learning and memory in rodents. From Jan 2005 to Aug 2006 served as a volunteer, and from Aug 2006 to Jan 2007 as an apprentice.

Honors

- 03/2017 WINNER OF THE CLINICAL RESEARCH REWARD
for the project "Routine computer tomography imaging for the
detection of recurrences in high-risk melanoma patients."
- VCU Health System Surgery Research Day
- 01/2007 COLLEGE STUDENT LEADERSHIP PROGRAM SCHOLARSHIP

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Walter Reed Army Institute of Research

08/2006

UNDERGRADUATE APPRENTICESHIP PROGRAM
SCHOLARSHIP

Center for Learning Excellence of George Mason University

Professional Memberships

American College of Surgeons (since 2011)
Society of Surgical Oncology (since 2016)
American Society of Breast Surgeons (since 2020)
American Society of Clinical Oncology (since 2019)
Society of American Gastrointestinal and Endoscopic Surgeons (since 2017)
Memphis Medical Society (since 2019)
Tennessee Chapter of American College of Surgeons since 2019)
Virginia Chapter of American College of Surgeons (2011-2019)
Richmond Academy of Medicine (2007-2019)

Peer-Reviewed Publications

1. **Trebska-McGowan K**, Chaib M, Alvarez MA, Kansal R, Pingili AK, Shibata D, Makowski L, Glazer ES. TGF - β Alters the Proportion of Infiltrating Immune Cells in a Pancreatic Ductal Adenocarcinoma. *J Gastrointest Surg*; Jul 2021 online ahead of print
2. Rosenberg A, **Trebska-McGowan K**, Reichman T, Sharma A, Cotterell A, Strife B, Khan AA, Kumaran V, Bruno DA, Levy MF, Bhati CS. Management of hepatic artery aneurysm: A case series. *Ann Hepatobiliary Pancreat Surg* 2020; Aug 31; 24(3): 333-338.
3. Alwatari Y, Tse W, **Trebska-McGowan K**, Shah RD. Use of endoloop in video-assisted thoroscopic enucleation of a very rare esophageal tumor. *J Surg Case Rep* 2019; Nov 20(11): 1-3.
4. Zacharakis N, Chinnasamy H, Black M, Xu H, Lu Y, Zheng Z, Pasetto A, Langan M, Shelton T, Prickett TD, Gartner J, Jia L, **Trebska-McGowan K**, Somerville R, Robbins P, Rosenberg SA, Goff S, Feldman SA. Immune recognition of somatic mutations leading to a complete durable regression in metastatic breast cancer. *Nature Medicine* 2018; June 24(6): 724-730.
5. **Trebska-McGowan K**, Reichman T. Cancer prevention through better sleeping habits: the circadian clock and hepatocellular cancer. *Translational Cancer Research* 2017;6 (Suppl 6): S953-S956.

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6. Park TS, Phan GQ, Yang JC, Kammula U, Hughes MS, **Trebska-McGowan K**, Morton KE, White DE, Rosenberg SA, Sherry RM. Routine computer tomography imaging for the detection of recurrences in high-risk melanoma patients. *Ann Surg Oncol* 2017; Apr 24(4): 947-951.
7. Pasetto A, Gros A, Robbins PF, Deniger DC, Prickett TD, Matus-Nicodemos R, Douek DC, Howie B, Robins H, Parkhurst MR, Gartner JJ, **Trebska-McGowan K**, Crystal JJ, Rosenberg SA. Tumor- and neoantigen-reactive T-cell receptors can be identified based on their frequency in fresh tumor. *Cancer Immunol Res* 2016; 4(9): 734-43.
8. Prickett TD, Crystal JS, Cohen CJ, Pasetto A, Parkhurst MR, Gartner JJ, Yao X, Wang R, Gros A, Li YF, El-Gamil M, **Trebska-McGowan K**, Rosenberg SA, Robbins PF. Durable complete response from metastatic melanoma after transfer of autologous T - cells recognizing 10 mutated tumor antigens. *Cancer Immunol Res* 2016; 4(8): 669-78.
9. Gros A, Tran E, Parkhurst MR, Pasetto A, Robbins PF, Ilyas S, Prickett T, Gartner J, Crystal JS, Roberts IM, **Trebska-McGowan K**, Wunderlich JR, Yang JC, Rosenberg SA. Prospective identification of cancer mutation-specific lymphocytes in peripheral blood of melanoma patients. *Nature Medicine* 2016; Apr 22(4): 433-8.
10. Aufforth RD, Ramakant P, Sadowski SM, Mehta A, **Trebska-McGowan K**, Nilubol N, Pacak K, Kebebew E. Pheochromocytoma screening initiation and frequency in von Hippel-Lindau syndrome. *J Clin Endocrinol Metab* 2015; 100(12): 4498-504.
11. Cohen CJ, Garner JJ, Horovitz-Fried M, Shamalov K, **Trebska-McGowan K**, Bliskovsky VV, Parkhurst MR, Ankri C, Prickett TD, Crystal JS, Li YF, El-Gamil M, Rosenberg SA, Robbins PF. Isolation of neoantigen-specific T-cells from tumor and peripheral lymphocytes. *J Clin Invest* 2015; 125(10): 3981-91.
12. Parrish D, Barnhorst A, **Trebska-McGowan K**, Amendola M, Haynes J. Nonoperative management of pediatric aortic injury with seat belt syndrome: intraoperative considerations and review of literature. *Ann Vasc Surg* 2015; 29(6): 1316.e1-6.
13. **Trebska-McGowan K**, Terracina KP, Takabe K. Update on the surgical management of Paget's disease. *Gland Surg* 2013; 2(3):137-142.

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Oral Presentations

1. **Trebska-McGowan K**, Alvarez MA, Kansal R, Hussain M, Pingili AK, Makowski L, Glazer ES. “Tumor associated macrophages in Pancreatic Adenocarcinoma increase PD-L1 expression in presence of TGF- β ”. Society of Surgical Oncology Symposium. August 18, 2020.
2. **Trebska-McGowan K**, Deneve JL. “A Case of a Stubborn Extremity Melanoma: Isolated Limb Perfusion”. UTHSC Department of Surgery Visiting Professor Lecture Series December 4, 2019; Memphis TN.
3. Zacharakis N, **Trebska-McGowan K**, Somerville R, Y. Lu, Pasetto A, Black M, Chinnasamy H, Xu H, Gartner JJ, Prickett TD, Robbins PF, Rosenberg SA, Goff SL (presenter), Feldman SA. “Regression of metastatic breast cancer after adoptive cell transfer of tumor infiltrating lymphocytes and checkpoint blockade”. American Association for Cancer Research. April 4, 2017; Washington D.C.
4. **Trebska-McGowan, K**. “Identification of mutation specific lymphocytes in peripheral blood of patients with melanoma; a noninvasive approach to obtain lymphocytes for adoptive cell transfer.” Virginia Commonwealth University Health System Surgery Research Day. March 23, 2017; Richmond VA.
5. **Trebska-McGowan K**. “Routine computer tomography imaging for the detection of recurrences in high-risk melanoma patients.” Virginia Commonwealth University Health System Surgery Research Day. March 23, 2017; Richmond VA.
6. **Trebska-McGowan K**. “Review of adjuvant therapy for metastatic hormone positive breast cancer”. Surgical Oncology Research Fellows Teaching Conference. Feb 25, 2016; NIH, Bethesda, MD.
7. **Trebska-McGowan K**. “RECIST 1.1 versus RECIST 1.0”. Immunotherapy Section Teaching Conference. Jan 27, 2016; NIH, Bethesda, MD.
8. Gros A (presenter), Tran E, Parkhurst MR, Pasetto A, Ilyas S, Prickett TD, Gartner JJ, Robbins PF, Crystal JS, **Trebska-McGowan K**, Wunderlich JR, Yang JC, Rosenberg SA. (Nov 2015). “Selection of circulating PD-1+ lymphocytes from cancer patients enriches for tumor-reactive and mutation-specific lymphocytes.” Society for Immunotherapy of Cancer. November 6, 2015; National Harbor, MD.
9. **Trebska-McGowan K**, Cohen C, Bharathan M, Robbins PF, Rosenberg SA. “Using MHC-multimer driven approach to detect and isolate antigen specific T-cells in metastatic cancers.” Virginia Commonwealth University Health Systems Surgery Research Day. May 14, 2015; Richmond, VA.
10. **Trebska-McGowan K**, “Using MHC peptide binding prediction and MHC-multimer driven approach to detect and isolate antigen specific T-cells in metastatic cancers.” Surgery Branch Research Seminar, NCI/ NIH. May 7, 2015; Bethesda, MD.

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Poster Presentations

1. Deschner BW, **Trebska-McGowan K** (presenter), Campbell JS, Tsao M, Fleming MD, Yakoub D, Dickson PV, Glazer ES, Shibata D, Deneve JL. (August 2020). “Adherence to Regional Nodal Sonographic Surveillance for Node Positive Melanoma in the Post-MSLT-II Era.” Society of Surgical Oncology Annual Symposium.
2. Deschner BW, **Trebska-McGowan K** (presenter), Fleming AM, Campbell JS, Tsao M, Deneve JL, Yakoub D, Fleming MD. (August 2020). “Prediction of Sentinel and Non-Sentinel Lymph Node Metastasis Using Gene Expression Profiling in Cutaneous Melanoma.” Society of Surgical Oncology Annual Symposium.
3. **Trebska-McGowan K** (presenter), Alvarez MA, Kansal R, Hussain SM, Pingili AK, Makowski L, Glazer ES. (January 2020). “*TGF- β increases PD-L1 expression on PDAC TAMs.*” ASCO Gastrointestinal Cancers Symposium, San Francisco, CA.
4. **Trebska-McGowan K** (presenter), Bhati C, Levy M, Reichman T. (June 2017). “*Extrahepatic portal venous hypertension successfully treated with a Meso-Rex shunt.*” Virginia Chapter, American College of Surgeons and Virginia Surgical Society 2017 Annual Meeting, Williamsburg, VA.
5. **Trebska-McGowan K** (presenter), Park TS, Phan GQ, Yang JC, Kammula U, Hughes MS, Morton KE, White DE, Rosenberg SA, Sherry RM. (June 2017). “*Routine computer tomography imaging for the detection of recurrences in high-risk melanoma patients.*” 14th Annual VCU Health Resident/Fellow Research Day, Richmond, VA
6. **Trebska-McGowan K** (presenter), Kriley I, Malekzadeh P, Payabyab E, Sherry R, Rosenberg SA, Goff S. (Nov 2016). “*Comparison of RECIST 1.0 to RECIST 1.1 in the evaluation of adoptive cell transfer for treatment of melanoma.*” Society for Immunotherapy of Cancer, National Harbor, MD
7. **Trebska-McGowan K** (presenter), Bharathan M, Gartner JJ, Prickett TD, Rosenberg SA, Robbins PF. (Nov 2015). “*Unique neoantigens expressed by melanomas and common epithelial cancers presented by multiple HLA alleles can be efficiently identified utilizing peptide binding prediction algorithms.*” Society for Immunotherapy of Cancer, National Harbor, MD.
8. Bharathan M, **Trebska-McGowan K** (presenter), Pasetto A, Deniger DC, Hanada K, Gartner JJ, Yang JC, Rosenberg SA, Robbins PF. (Nov 2015). “*Tetramer based approach for efficient identification and isolation of neo-antigen specific CD8 T-cells from peripheral blood (PBL) of patients with metastatic cancers.*” Society for Immunotherapy of Cancer, National Harbor, MD.

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9. Cohen C (presenter), Gartner JJ, Horovitz-Fried M, Shamalov K, **Trebska-McGowan K**, Bliskovsky V, Parkhurst MR, Ankri C, Prickett TD, Crystal JS, Li Y, El-Gamil M, Rosenberg SA, Robbins PF. (Nov 2015). *“Study and characterization of mutated antigen specific T-cells isolated from fresh tumor and peripheral lymphocytes in cancer patients.”* Society for Immunotherapy of Cancer, National Harbor, MD.
10. Gros A (presenter), Tran E, Parkhurst MR, Pasetto A, Ilyas S, Prickett TD, Gartner JJ, Robbins PF, Crystal JS, **Trebska-McGowan K**, Wunderlich JR, Yang JC, Rosenberg SA. (Nov 2015). *“Selection of circulating PD-1+ lymphocytes from cancer patients enriches for tumor-reactive and mutation-specific lymphocytes.”* Society for Immunotherapy of Cancer, National Harbor, MD.
11. Crystal JS (presenter), Prickett TD, Gartner JJ, Parkhurst MR, Lu Y, Gros A, Li Y, **Trebska-McGowan K**, El-Gamil M, Rosenberg SA, Robbins PF. (Nov 2015). *“Diversity of mutated antigen recognition by tumor infiltrating lymphocytes from patients with metastatic melanoma.”* Society for Immunotherapy of Cancer, National Harbor, MD.
12. Pasetto A (presenter), Gros A, Robbins PF, Prickett TD, Deniger DC, Matus-Nicodemus R, Parkhurst MR, Crystal JS, **Trebska-McGowan K**, Rosenberg SA. (Nov 2015). *“High frequency CD8+PD-1+ TCR clonotypes isolated from fresh melanomas display antitumor activity.”* Society for Immunotherapy of Cancer, National Harbor, MD.
13. Crystal JS (presenter), Lu YC, Prickett T, Li Y, El Gamil M, Cohen C, **Trebska-McGowan K**, Gartner J, Rosenberg SA, Robbins PF. (Nov 2014). *“Individual cultures of melanoma tumor infiltrating lymphocytes possess distinct patterns of reactivity with mutated antigens identified by whole exome sequencing of autologous tumors.”* Society for Immunotherapy of Cancer, National Harbor, MD.
14. Cohen C (presenter), **Trebska-McGowan K**, Crystal J, Prickett T, Li YF, El-Gamil M, Rosenberg SA, Robbins PF. (May 2014). *“Using an MHC/tetramer-driven approach to detect and exploit neo-antigen specific T-cells.”* American Society of Gene & Cell Therapy, Washington D.C.