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Education:

Louisiana State University Health Sciences Center School of Medicine, Shreveport, LA.
MD. May 2011
Louisiana State University, Baton Rouge, LA
Summa Cum Laude, Bachelor's of Science degree with a major in Biochemistry. May 2007

Positions:

2011-2012	Intern in General Surgery , Virginia Commonwealth University
2012-2017	Resident in General Surgery , Virginia Commonwealth University
2013-2015	Postdoctoral Fellow in Cancer Biology, Massey Cancer Center (T32CA085159-10)
2017-2018	Administrative Chief Resident , Virginia Commonwealth University
2018-2019	Fellow in Colon and Rectal Surgery , MedStar Washington Hospital Center
2019-current	Assistant Professor , Department of Surgery, University of Florida

Certifications and Licensure:

American Board of Surgery- Board Certified in General Surgery 11/12/2018
Medical License District of Columbia- MD046434
Medical License State of Florida- ME142229

Publications:

1. Nagahashi M, Yamada A, Katsuta E, Aoyagi T, Huang WC, **Terracina KP**, Hait NC, Allegood JC, Tsuchida J, Yuza K, Nakajima M, Abe M, Sakimura K, Milstien S, Wakai T, Spiegel S, Takabe K. Targeting the SphK1/S1P/S1PR1 Axis That Links Obesity, Chronic Inflammation, and Breast Cancer Metastasis. *Cancer Res* 2018 Apr 1; 78(7):1713-25 PMID: 29351902 doi: 10.1158/0008-5472.CAN-17-1423.
2. Katsuta E, DeMasi SC, **Terracina KP**, Spiegel S, Phan GQ, Bear HD, and Takabe K. Modified breast cancer model for preclinical immunotherapy studies. *J Surg Res* 2016; 204(2): 467-74 PMID: 27565084 doi: 10.1016/j.jss.2016.06.003.
3. **Terracina KP**, Graham LJ, Payne KK, Manjili MH, Baek A, Damle SR, and Bear HD. DNA methyltransferase inhibition increases efficacy of adoptive cellular immunotherapy in breast cancer. *Cancer Immunol Immunother* 2016 Sep; 65(9): 1061-73. PMID: 27416831 doi: 10.1007/s00262-016-1868-8.
4. **Terracina K**. First-place essay: the things I carry. *Bull Am Coll Surg*. 2016 Jan; 101(1): 38.
5. **Terracina KP**, Aoyagi T, Huang WC, Nagahashi M, Yamada A, Aoki K, and Takabe K. Development of a metastatic murine colon cancer model. *J Surg Res* 2015 Nov; 199(1): 106-14. PMID: 26009494 doi: 10.1016/j.jss.2015.04.030.
6. Aoyagi T, **Terracina KP**, Raza A, Matsubara H, and Takabe K. Cancer cachexia, mechanism and treatment. *World J Gastrointest Oncol*. 2015 Apr 15;7(4):17-29. PMID: 25897346 doi:10.4251/wjgo.v7.i4.17.

7. Rashid OM, Nagahashi M, Ramachandran S, Dumur C, Schaum J, Yamada A, **Terracina KP**, Milstien S, Spiegel S, and Takabe K. An Improved Syngeneic Orthotopic Murine Model of Human Breast Cancer Progression *Breast Cancer Res Treat* 2014 Oct;147(3):501-12. PMID: PMC4176514 doi: 10.1007/s10549-014-3118-0
8. Aoyagi T, **Terracina KP**, Raza A, and Takabe K. Current treatment options for colon cancer peritoneal carcinomatosis. *World J Gastroenterol*. 2014 Sep 21;20(35):12493-500. PMID: PMC4168082 doi: 10.3748/wjg.v20.i35.12493.
9. Yamada A, Takabe K, **Terracina KP**, Ishikawa T, Endo I. ABCC11 (ATP-binding cassette, sub-family C (CFTR/MRP), member 11). *Atlas Genet Cytogenet Oncol Haematol*. 2014 Aug; 18(8).
10. Nagahashi M, Takabe K, **Terracina KP**, Soma D, Hirose Y, Kobayashi T, Matsuda Y, and Wakai T. Sphingosine-1-phosphate Transporters as Targets for Cancer Therapy. *BioMed Research International* 2014 2014:651-727. PMID: PMC4123566 doi: 10.1155/2014/651727
11. Arora TK, **Terracina KP**, Soong J, Idowu MO, Takabe K. Primary and Secondary Angiosarcoma of the Breast *Gland Surgery* 2014 Feb; 3(1):28-34. PMID: PMC4115777 doi:10.3978/j.issn.2227-684X.2013.12.03
12. Huang WC, Nagahashi M, **Terracina KP**, Takabe K. Emerging Role of Sphingosine-1-phosphate in Inflammation, Cancer, and Lymphangiogenesis. *Biomolecules* 2013 3(3), 408-434. PMID: PMC3839861 doi:10.3390/biom3030408
13. Trebska-McGowan K, **Terracina KP**, Takabe K. Update on the surgical management of Paget's disease *Gland Surgery* 2013 Aug 1; 2(3): 137-142. PMID: PMC3876799 doi: 10.3978/j.issn.2227-684X.2013.08.03 *This paper appeared in "Selected Readings in General Surgery, a publication of the American College of Surgeons' Division of Education, Vol 40, No5, Breast Diseases issue 2014*
14. **Pennington KM**, Chu QD, Curiel DT, Li BD, and JM Mathis. The Utility of a Tissue Slice Model System to Determine Breast Cancer Infectivity by Oncolytic Adenoviruses. *J Surg Res* 2010 Oct 163(2): 270-275. PMID: PMC3015137 doi: 10.1016/j.jss.2010.03.072.

Posters and Presentations:

1. Poster Presentation- "Sarcopenia is a risk factor for readmission and surgical complications in abdominal operations for colon and rectal cancer" **Terracina KP**, Wheeler M, Ayscue J, FitzGerald JF, Stahl T, Bayasi M, and B Bello. ASCRS 2019 Annual Scientific Meeting (Cleveland, OH) 6/3/2019
2. Poster Presentation- "Low skeletal muscle index predicts post operative complications in colorectal cancer patients" **Terracina KP**, Wheeler M, Ayscue J, FitzGerald JF, Stahl T, Bayasi M, and B Bello. 2019 MedStar Health-Georgetown University Research Symposium (Bethesda, MD) 5/30/2019
3. **Oral Presentation, Second Place**- "Low skeletal muscle index predicts readmission and surgical complications in colon and rectal cancer abdominal operations" **Terracina KP**, Wheeler M, Ayscue J, FitzGerald JF, Stahl T, Bayasi M, and B Bello. Chesapeake Colorectal Society Annual Spring Scientific Meeting and Scientific Session (Arlington, VA) 4/13/2019.
4. **Oral Presentation, Winner David M. Hume Resident Research Award** "T-lymphocyte adoptive immunotherapy is augmented through use of a hypomethylation agent in a her2 positive breast cancer model" **Terracina KP**, Graham LG, Payne K, Manjili M, and HD Bear. 51st Annual Meeting of the Humera Surgical Society (Irvington, VA) 4/10/2015
5. **Poster Presentation- Selected for Breast Cancer Poster Grand Rounds** "Augmentation of Adoptive Cellular Immunotherapy for Breast Cancer with Decitabine" **Terracina KP**, Graham LJ, Payne KK, Manjili MH, and Bear HD. Society for Surgical Oncology 2015 Annual Meeting (Houston, TX) 3/26-27/2015

6. *Poster Presentation* - "Modified orthotopic murine colon cancer cell implantation method that mimics clinical cancer progression" **Terracina KP**, Aoyagi T, Huang WC, Nagahashi M, Yamada A, Aoki K, and Takabe K. Society for Surgical Oncology 2015 Annual Meeting (Houston, TX) 3/26-27/2015
7. *Oral Presentation* "Targeting sphingosine-1-phosphate signaling with FTY720 suppresses progression of colon cancer peritoneal carcinomatosis and prolongs survival" Aoyagi T, **Terracina KP**, Avni D, Nagahashi M, Yamada A, Huang WC, Soong J, Idowu MO, Aoki K, Milstien S, Spiegel S, and K Takabe. 49th Annual SouthEastern Regional Lipid Conference (Cashiers, NC) 11/7/2014
8. *Poster Presentation* "Primary colon cancer model for analysis of tumor microenvironment and cancer progression" **Terracina KP**, Aoyagi T, Huang WC, Nagahashi M, Yamada A, and K Takabe. 49th Annual SouthEastern Regional Lipid Conference (Cashiers, NC) 11/6/2014
9. *Oral Presentation, Cancer Paper Competition – First Place, Basic Science* "Adoptive Cellular Immunotherapy for Breast Cancer is Improved by Combination with the Hypomethylation Agent Decitabine" **Terracina KP**, Graham LJ, Payne K, Manjili MH, and HD Bear. Virginia Chapter, American College of Surgeons (Norfolk, VA) 11/01/2015
10. *Oral Presentation* "Sphingosine-1-phosphate Signaling in Cancer Progression and Cancer Therapy" **Terracina KP**, Takabe K. VCU Department of Surgery Research Conference (Richmond, VA) 06/11/2014
11. *Oral Presentation, Winner - Basic Science Research* "Epigenetic Modulation with Decitabine Increases the Effectiveness of Adoptive Immunotherapy" **Terracina KP**, Graham LJ, Payne K, Manjili MH, and Bear HD. VCU Department of Surgery Research Conference (Richmond, VA) 06/11/2014
12. *Oral Presentation, Second Prize Winner - Basic Science Research* "SphK1-S1P-S1PR1 axis inhibition results in anti-tumor effects in a murine model of colon cancer peritoneal carcinomatosis" **Terracina KP**, and Takabe K. The 11th Annual VCUHS Resident/Fellow Research Day at VCU (Richmond, VA) 06/05/2014
13. *Oral Presentation* "Demethylation Agent Decitabine Increases Tumor Antigen Expression, Breast Cancer Antigenicity, and Antitumor Response from Tumor Sensitized T-Cells" **Terracina KP**, Graham LJ, Payne K, Manjili MH, and Bear HD. The 11th Annual VCUHS Resident/Fellow Research Day at VCU (Richmond, VA) 06/05/2014
14. *Poster Presentation* "Evaluation of fingolimod as a treatment strategy in metastatic breast cancer" **Terracina KP**, and Takabe K. The 11th Annual VCUHS Resident/Fellow Research Day at VCU (Richmond, VA) 06/05/2014
15. *Poster Presentation* "FTY720 suppress colon cancer peritoneal carcinomatosis progression by targeting sphingosine-1-phosphate signaling and suppressing tumor-associated macrophages" **Terracina KP**, Aoyagi T, Mukhopadhyay P, Avni D, Nagahashi M, Yamada A, Huang WC, Soong J, Idowu MO, Milstien S, Spiegel S and Takabe K. 2014 VCU Massey Cancer Center Research Retreat (Richmond, VA) 05/23/2014
16. *Poster Presentation* "An improved syngeneic colon cancer model for studies in cancer progression and metastasis" **Terracina KP**, Aoyagi T, Huang WC, Nagahashi M, Yamada A, and Takabe K. 2014 VCU Massey Cancer Center Research Retreat (Richmond, VA) 05/23/2014
17. *Poster Presentation* "Treatment with a hypomethylation agent increases the effectiveness of T-cell adoptive immunotherapy" **Terracina KP**, Graham LJ, Payne K, Manjili MH, and Bear HD. 2014 VCU Massey Cancer Center Research Retreat (Richmond, VA) 05/23/2014
18. *Oral Presentation* "Advanced murine models of colon cancer progression and metastasis" **Terracina KP**, Takabe K. VCU Department of Surgery Research Day (Richmond, VA) 05/21/2014
19. *Oral Presentation* "Preclinical evaluation of FTY720 targeting S1P signaling for colon cancer peritoneal carcinomatosis" **Terracina KP** and Takabe K. VCU Department of Surgery Research Day (Richmond, VA) 05/21/2014

- 20. Oral Presentation, Bigger-Lehman Award - 2nd Place Winner** "Development of a syngeneic orthotopic murine colon cancer model for preclinical studies targeting the tumor microenvironment" **Terracina KP**, Takabe K. Virginia Surgical Society (Wintergreen, VA) 05/04/2014
- 21. Oral Presentation, Cancer Paper Competition – First Place, Basic Science and Winner Physicians in Training Award** "Preclinical evaluation of FTY720 as a novel therapeutic for colon cancer peritoneal carcinomatosis" **Terracina KP** and Takabe K. Virginia Chapter, American College of Surgeons (Wintergreen, VA) 05/03/2014
- 22. Poster Presentation** "Targeting sphingosine-1-phosphate signaling as a therapeutic strategy for breast cancer lung metastasis" **Terracina KP**, Adams AJ, Rashid OM, Yamada A, Nagahashi M, Milstien S, Spiegel S and Takabe K. The 10th Annual VCU Women's Health Research Day (Richmond, VA) 4/22/2014
- 23. Poster Presentation** "Treatment with the demethylation agent decitabine increases breast cancer antigenicity and the effectiveness of adoptive immunotherapy" **Terracina KP**, Graham LJ, and Bear HD. The 10th Annual VCU Women's Health Research Day (Richmond, VA) 4/22/2014
- 24. Oral Presentation** "Sphingosine-1-phosphate Receptor Modulator, FTY720, Synergizes with 5-fluorouracil and Prolongs Survival in a CT26 Syngeneic Murine Colon Cancer Carcinomatosis Model" **Terracina KP**, Adams BJ, Rashid OM, Yamada A, Nagahashi M, Ramachandran S, Milstien S, Spiegel S and Takabe K. 9th Annual Academic Surgical Congress (San Diego) 02/06/2014
- 25. Poster Presentation** "Advanced murine orthotopic model systems for the study of lipid signaling in cancer progression" **Terracina KP**, Nagahashi M, Yamada A, Aoyagi T, Huang WC, Takabe K. 48th Annual SouthEastern Regional Lipid Conference (Cashiers, NC) 11/14/2013
- 26. Oral Presentation** "Testing a Tropism-Modified Conditionally Replicative Adenovirus for Breast Cancer in a Tissue Slice Model System" **Pennington KM**, Li BD, Mathis JM, and QD Chu. 5th Academic Surgical Congress (San Antonio, TX) 2/5/2010
- 27. Oral Presentation** "Testing an Oncolytic Adenovirus for Breast Cancer Therapy Using a Novel *Ex Vivo* Tissue Slice Model System" **Pennington KM**, Jung JS, Nedeljkovic-Kurepa A, Li BD, Mathis JM, and QD Chu. Presented at the 4th Academic Surgical Congress (Sanibel Harbor, FL) 2/4/2009

Honors/Awards:

Chesapeake Colorectal Society Research Award, Second Place, April 2019
 Resident Teaching Award, VCU Department of Surgery 2018
 Administrative Chief Resident Award, VCU Department of Surgery 2018
 VCU Humanism in Medicine and Excellence in Teaching Award 2017
 ACS Resident and Associate's Society Annual Essay Contest Winner 2015
 Humera Surgical Society David M. Hume Resident Research Award 2015
 American College of Surgeons- Virginia Chapter; Outstanding Cancer Paper Competition, Basic Science Division and Physicians in Training Award Winner, 2015
 American College of Surgeons- Virginia Chapter; Outstanding Cancer Paper Competition, Basic Science Division and Physicians in Training Award Winner, 2014
 Department of Surgery, VCU, Resident Research Winner Basic Science Category, 2014
 Bigger-Lehman Outstanding Paper Competition, Virginia Surgical Society, Second Place, 2014
 Nathan Bernstein Scholarship for Academic Excellence 2007-2008. Louisiana State University Health Sciences Center in Shreveport School of Medicine, Shreveport, LA
 Chancellor's Alumni Scholarship 2003-2007. Louisiana State University, Baton Rouge, LA

Membership in Professional Societies:

Association for Academic Surgery
American College of Surgeons
American Society of Colon and Rectal Surgery
Society for Surgery of the Alimentary Tract

Education Experience:

July 2017-2018	Administrative Chief Resident for Education
July 2017-2018	M3 Clerkship Orientation, Speaker
February 2017, 2018	M4 Surgery Bootcamp Elective- Handoffs and Escalation, Lecturer
October 2013-ongoing	Advanced Trauma Life Support, Instructor
January 2014-April 2015	M3 Surgery Workshop Suture Class, Assistant Instructor

Additional Training/Certifications:

VCU GME Research for Residents & Fellows Course July-September 2013.
American College of Surgeons Commission on Trauma ATLS Instructor-September 2014.
American College of Surgeons Residents as Teachers and Leaders Course-May 2014.
VCU Responsible Conduct of Research Course-Fall 2014.
FLS Certification 2016.
FES Certification 2017.
DaVinci Robotic Course: Robotic right colectomy-Houston, TX, April 2018.
DaVinci Robotic Course: Colon and Rectal Fellows/New Attendings- Baltimore, MD, September 2018.
Transanal Total Mesorectal Excision (taTME) Workshop- Orlando, FL, January 2019.
DaVinci Robotic Course: APDCRS Fellows Course-Atlanta, GA April 2019.