

## **Keri Schadler, PhD**

Assistant Professor  
Department of Pediatrics Research  
MD Anderson Cancer Center  
Houston, Texas



### **Living her dream**

Describing her first day opening her own lab as a principal investigator at MD Anderson Cancer Center as “one of the most exciting days of my life”, Keri Schadler, PhD is living her dream. Keri is a graduate of the University of Texas MD Anderson Graduate School of Biomedical Sciences.

Keri leads her own laboratory which focuses on understanding novel ways to treat tumors by targeting tumor vasculature to improve efficiency of drug delivery to tumor cells. Her work in this focus area began while a graduate student in cancer biology and vascular biology at MD Anderson.

<i>MD Anderson School(s) from which I graduated</i>	The University of Texas MD Anderson Graduate School of Biomedical Sciences
<i>Graduation Year</i>	2010
<i>Current Employer</i>	MD Anderson Cancer Center
<i>Current City</i>	Houston, Texas
<i>Current Position</i>	Assistant professor, Department of Pediatrics Research
<i>What is your career motivation?</i>	As a 4 <sup>th</sup> grader, Keri’s grandmother died from breast cancer. She remembers her mother saying there were no more medicines available, so she asked her mother who was going to create new medicines. Her mother replied, “ <i>scientists have to do that.</i> ” It was at that point Keri decided she would become a scientist.
<i>Academic area of specialization</i>	Keri trained under Dr. Eugenie Kleinerman and studied the role of vasculogenesis in Ewing sarcoma tumor growth. Mouse models were used to demonstrate that DLL4-Notch signaling was a critical mediator of bone marrow-derived pericyte and its contribution to tumor blood vessels.

<p><i>Who are your mentors?</i></p>	<p><b>Dr. Eugenie Kleinerman</b>          Keri described Dr. Kleinerman as a female pioneer in biomedical sciences. Dr. Kleinerman taught Keri to be proud of accomplishments and to always put in the necessary work to earn the respect she was seeking. Dr. Kleinerman currently serves as Professor of Pediatrics with MD Anderson Cancer Center.</p> <p><b>Dr. Shelley Barton</b>          Dr. Shelley Barton was a person Keri could relate that had achieved a successful scientific career. Keri describes Dr. Barton as consistently producing high quality, important findings as well as valuing education and mentoring in a way that was apparent to the students. Dr. Barton currently serves as the Dean of the Graduate School of Biomedical Sciences and Professor of Epigenetics and Molecular Carcinogenesis with MD Anderson Cancer Center.</p>
<p><i>Family Life</i></p>	<p>Keri is married, no children</p>
<p><i>Works of interest</i></p>	<ul style="list-style-type: none"> <li>• <a href="#">Schadler Lab</a></li> <li>• <a href="#">Exercise during preoperative therapy increases tumor vascularity in pancreatic tumor patients.</a></li> <li>• <a href="#">Tumor vessel normalization after aerobic exercise enhances chemotherapeutic efficacy.</a></li> <li>• <a href="#">Vascular modulation through exercise improves chemotherapy efficacy in Ewing sarcoma.</a></li> </ul>
<p><i>Graduate school(s) from which I received a degree(s).</i></p>	<p>MD Anderson Cancer Center UTHealth Graduate School of Biomedical Sciences, Houston, Texas          PhD, 2010</p>
<p><i>Undergraduate school(s) from which I received a degree(s).</i></p>	<p>Texas A&amp;M University, College Station, Texas          B.S. Molecular and Cellular Biology, 2004</p>
<p><i>High school from which I received a degree.</i></p>	<p>McNeil High School, Austin, TX</p>

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