

- **Full Name:** Sandra Ryeom, Ph.D.
  - **Current Position & Affiliation:** Associate Professor, Department of Surgery, Associate Dean of Associate of Postdoctoral Affairs and New Master's Program at VP&S, Associate Director of Diversity, Equity and Inclusion at the Herbert Irving Comprehensive Cancer Center, Columbia University Irving Medical Center
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- **Educational Background:**

- B.S. Wellesley College
- PhD Cornell University Medical College (Cell Biology and Genetics)
- Postdoctoral Fellowship: Harvard University (Department of Cell Biology)

- **Professional Experience:**

- Instructor: Harvard Medical School, Children's Hospital of Boston
- Assistant Professor: University of Pennsylvania Perelman School of Medicine
- Tenured Associate Professor: University of Pennsylvania Perelman School of Medicine
- Associate Professor: Columbia University Irving Medical Center
- Associate Dean of Postdoctoral Affairs and New Masters Programs: Vagelos College of Physicians and Surgeons
- Associate Director of Diversity, Equity and Inclusion at the Herbert Irving Comprehensive Cancer Center, Columbia University Irving Medical Center

- **Professional Organizations:**

- American Association of Cancer Research
- American Gastroenterological Association

- **Main Scientific Publications:**

1. Lieberman A, Barrett R, Kim J, Zhang KL, Avery D, Monslow J, Kim H, Kim BJ, Puré E, Ryeom S.: Deletion of Calcineurin Promotes a Protumorigenic Fibroblast Phenotype. Cancer Research 79: 3928, August 2019.
2. Bhang DH, Kim BJ, Kim BG, Schadler K, Baek KH, Kim YH, Hsiao W, Ding BS, Rafii S, Weiss MJ, Chou ST, Kolon TF, Ginsberg JP, Ryu BY, Ryeom S.: Testicular endothelial cells are a critical population in the germline stem cell niche. Nature Communication October 2018.
3. Till JE, Yoon C, Kim BJ, Roby K, Addai P, Jonokuchi E, Tang LH, Yoon SS, Ryeom S.: Oncogenic KRAS and p53 loss drive gastric tumorigenesis in a new mouse model of gastric cancer and can be attenuated by E-cadherin expression Cancer Research 77: 5349-5359, October 2017

4. Schadler Keri L, Crosby Erika J, Zhou Alice Yao, Bhang Dong Ha, Braunstein Lior, Baek Kwan Hyuck, Crawford Danielle, Crawford Alison, Angelosanto Jill, Wherry E John, Ryeom Sandra: Immunosurveillance by antiangiogenesis: tumor growth arrest by T cell-derived thrombospondin-1. Cancer Research 74(8): 2171-81, Apr 2014
5. Lee Joo-Hyeon, Bhang Dong Ha, Beede Alexander, Huang Tian Lian, Stripp Barry R, Bloch Kenneth D, Wagers Amy J, Tseng Yu-Hua, Ryeom Sandra, Kim Carla F: Lung stem cell differentiation in mice directed by endothelial cells via a BMP4-NFATc1-thrombospondin-1 axis. Cell 156(3): 440-55, Jan 2014
6. Baek Kwan-Hyuck, Bhang Dongha, Zaslavsky Alexander, Wang Liang-Chuan, Vachani Anil, Kim Carla F, Albelda Steven M, Evan Gerard I, Ryeom Sandra: Thrombospondin-1 mediates oncogenic Ras-induced senescence in premalignant lung tumors. The Journal of Clinical Investigation 123(10): 4375-89, Oct 2013.
7. Minami Takashi, Jiang Shuying, Schadler Keri, Suehiro Jun-Ichi, Osawa Tsuyoshi, Oike Yuichi, Miura Mai, Naito Makoto, Kodama Tatsuhiko, Ryeom Sandra: The calcineurin-NFAT-angiopoietin-2 signaling axis in lung endothelium is critical for the establishment of lung metastases. Cell Reports 4(4): 709-23, Aug 2013.
8. Baek Kwan-Hyuck, Zaslavsky Alexander, Lynch Ryan C, Britt Carmella, Okada Yoshiaki, Siarey Richard J, Lensch M William, Park In-Hyun, Yoon Sam S, Minami Takashi, Korenberg Julie R, Folkman Judah, Daley George Q, Aird William C, Galdzicki Zygmunt, Ryeom Sandra: Down's syndrome suppression of tumour growth and the role of the calcineurin inhibitor DSCR1. Nature 459(7250): 1126-30, Jun 2009