

- **Full Name:** Hyeong-Gon Moon
 - **Current Position & Affiliation:** Professor, Dept of Surgery, Seoul National University College of Medicine
Director, Breast Care Center, Seoul National University Cancer Hospital
 - **Country:** Republic of Korea
-

- **Educational Background:**

- 1993.3-2000.2 MD. Gyeongsang National University, College of Medicine
- 2013.9. PhD. Gyeongsang National University, Graduate School of Medicine

- **Professional Experience:**

- 2009.3-2010.2.: Clinical Assistant Professor, Dept of Surgery, Gyeongsang National University Hospital.
- 2010.3-2013.8.: Clinical Assistant Professor, Dept of Surgery, Seoul National University Hospital.
- 2013.9.-2018.8.: Associate Professor, Dept of Surgery, Seoul National University College of Medicine.
- 2018.1.-2019.12: Associate Dean of International Affairs, Seoul National University College of Medicine.
- 2018.9.-Present: Professor, Dept of Surgery, Seoul National University College of Medicine.
- 2022.8.-Present: Director, Breast Care Center, Seoul National University Cancer Hospital.

- **Professional Organizations:**

- Korean Surgical Society
- Korean Breast Cancer Society

- **Main Scientific Publications:**

1. Lee ES, Kim Y, Shin HC, Hwang KT, Min J, Kim MK, Ahn S, Jung SY, Shin H, Chung M, Yoo TK, Jung S, Woo SU, Kim JY, Noh DY, Moon HG. Diagnostic accuracy of a three-protein signature in women with suspicious breast lesions: a multicenter prospective trial. *Breast Cancer Res*. 2023 Feb 14;25(1):20
2. Li S, Lee W, Heo W, Son HY, Her Y, Kim JI, Moon HG. AKR1C2 Promotes Metastasis and Regulates the Molecular Features of Luminal Androgen Receptor Subtype in Triple Negative Breast Cancer Cells. *J Breast Cancer*. 2022 Dec 16
3. Yun J, Heo W, Lee ES, Na D, Kang W, Kang J, Chae J, Lee D, Lee W, Hwang J, Yoo TK, Hong BS, Son HY, Noh DY, Lee C, Moon HG, Kim JI. (co-corresponding author) An integrative approach for exploring the nature of fibroepithelial neoplasms. *Br J Cancer*. 2022 Dec 16
4. Lee SA, Lee Y, Ryu HS, Jang MJ, Moon WK, Moon HG, Lee SH. (co-corresponding author)

- Diffusion-weighted Breast MRI in Prediction of Upstaging in Women with Biopsy-proven Ductal Carcinoma in Situ. *Radiology*. 2022 Jul 5;213174. doi: 10.1148/radiol.213174.
5. Quan M, Oh Y, Cho SY, Kim JH, Moon HG. Polo-Like Kinase 1 Regulates Chromosomal Instability and Paclitaxel Resistance in Breast Cancer Cells. *J Breast Cancer*. 2022 Jun;25(3):178-192
 6. Kim T, Han S, Chun Y, Yang H, Min H, Jeon SY, Kim JI, Moon HG, Lee D. (co-corresponding author) Comparative characterization of 3D chromatin organization in triple-negative breast cancers. *Exp Mol Med*. 2022 May;54(5):585-600
 7. Cheun JH, Kim HK, Lee HB, Han W, Moon HG. Association of Mammographic Density With Risk of Ipsilateral Breast Tumor Recurrence and Contralateral Breast Cancer. *JAMA Surg*. 2021 Nov 24:e215859.
 8. Kim JH, Lee ES, Yun J, Ryu HS, Kim HK, Ju YW, Kim K, Kim JI, Moon HG. Calsequestrin 2 overexpression in breast cancer increases tumorigenesis and metastasis by modulating the tumor microenvironment. *Mol Oncol*. 2021 Nov 6.
 9. Han J, Yun J, Quan M, Kang W, Jung JG, Heo W, Li S, Lee KJ, Son HY, Kim JH, Choi J, Noh DY, Na D, Ryu HS, Lee C, Kim JI, Moon HG. JAK2 regulates paclitaxel resistance in triple negative breast cancers. *J Mol Med (Berl)*. 2021 Dec;99(12):1783-1795.
 10. Jeon SY, Kim KE, Kim EK, Han H, Lee HB, Han W, Noh DY, Moon HG. The Emotional Status, Attitudes in Decision-Making Process, and Their Impact on Surgical Choices in Korean Breast Cancer Patients. *J Oncol*. 2021 Mar 12;2021:6636986.
 11. Cheun JH, Jung J, Lee ES, Rhu J, Lee HB, Lee KH, Kim TY, Han W, Im SA, Noh DY, Moon HG. Intensity of metastasis screening and survival outcomes in patients with breast cancer. *Sci Rep*. 2021 Feb 2;11(1):2851
 12. Jo SH, Heo WH, Son HY, Quan M, Hong BS, Kim JH, Lee HB, Han W, Park Y, Lee DS, Kwon NH, Park MC, Chae J, Kim JI, Noh DY, Moon HG. S100A8/A9 mediate the reprogramming of normal mammary epithelial cells induced by dynamic cell-cell interactions with adjacent breast cancer cells. *Sci Rep*. 2021 Jan 14;11(1):1337
 13. Lee SB, Kim HK, Choi Y, Ju YW, Lee HB, Han W, Noh DY, Son BH, Ahn SH, Kim KS, Nam SJ, Kim EK, Park HY, Park WC, Lee JW, Moon HG. Dynamic and subtype-specific interactions between tumour burden and prognosis in breast cancer. *Sci Rep*. 2020 Sep 22;10(1):15445.
 14. Choi SH, Kim KE, Park Y, Ju YW, Jung JG, Lee ES, Lee HB, Han W, Noh DY, Yoon HJ, Moon HG. Effects of tamoxifen and aromatase inhibitors on the risk of acute coronary syndrome in elderly breast cancer patients: An analysis of nationwide data. *Breast*. 2020 Aug 19;54:25-30.
 15. Hur S, Kim JH, Yun J, Ju YW, Han JM, Heo W, Kim K, Jeong K, Lee HB, Han W, Noh DY, Kim JI, Moon HG. Protein Phosphatase 1H, Cyclin-Dependent Kinase Inhibitor p27, and Cyclin-Dependent Kinase 2 in Paclitaxel Resistance for Triple Negative Breast Cancers. *J Breast Cancer*. 2020 Mar 9;23(2):162-170.
 16. Hong BS, Ryu HS, Kim N, Kim J, Lee E, Moon H, Kim KH, Jin MS, Kwon NH, Kim S, Kim D, Chung DH, Jeong K, Kim K, Kim KY, Lee HB, Han W, Yun J, Kim JI, Noh DY, Moon HG. Tumor suppressor microRNA-204-5p regulates growth, metastasis, and immune microenvironment remodeling in breast cancer. *Cancer Res*. 2019 Apr 1;79(7):1520-1534.
 17. Kim JY, Moon HG, Kang YJ, Han W, Noh WC, Jung Y, Moon BI, Kang E, Park SS, Lee MH, Park BY, Lee JW, Noh DY. The Effect of Reproductive Factors on Breast Cancer Presentation in Women Who Are BRCA Mutation Carrier. *J Breast Cancer*. 2017 Sep;20(3):279-285. (co-first authors)
 18. Yoo TK, Chang JM, Shin HC, Han W, Noh DY, Moon HG. An objective nodal staging system for breast cancer patients undergoing neoadjuvant systemic treatment. *BMC Cancer*. 2017 May 31;17(1):389.
 19. Lee J, Hong BS, Ryu HS, Lee HB, Lee M, Park IA, Kim J, Han W, Noh DY, Moon HG.

- Transition into inflammatory cancer-associated adipocytes in breast cancer microenvironment requires microRNA regulatory mechanism. *PLoS One*. 2017 Mar 23;12(3):e0174126.
20. Han J, Lee HB, Lee ES, Kang YJ, Kim Y, Choi J, Rhu J, Shin HC, Han W, Noh DY, Moon HG. The treatment outcomes and the use of adjuvant therapies in breast cancer patients with severe co-morbidities. *PLoS One*. 2017 Mar 21;12(3):e0173721.
 21. Lee ES, Jung SY, Kim JY, Kim JJ, Yoo TK, Kim YG, Lee KS, Lee ES, Kim EK, Min JW, Han W, Noh DY, Moon HG. Identifying the potential long-term survivors among breast cancer patients with distant metastasis. *Ann Oncol*. 2016 May;27(5):828-33.
 22. Moon HG, Kim N, Jeong S, Lee M, Moon H, Kim J, Yoo TK, Lee HB, Kim J, Noh DY, Han W. The Clinical Significance and Molecular Features of the Spatial Tumor Shapes in Breast Cancers. *PLoS One*. 2015 Dec 15;10(12):e0143811.
 23. Moon HG, Oh K, Lee J, Lee M, Kim JY, Yoo TK, Seo MW, Park AK, Ryu HS, Jung EJ, Kim N, Jeong S, Han W, Lee DS, Noh DY. Prognostic and functional importance of the engraftment-associated genes in the patient-derived xenograft models of triple-negative breast cancers. *Breast Cancer Res Treat*. 2015 Nov;154(1):13-22.