

CURRICULUM VITAE

(Last updated: 2022-11-01)

Ga-Young Jeong

Laboratory of Bioinformatics and Genomics,
Hanyang University 222 Wangsimni-ro, Seongdong-Gu,
Seoul, 133-791, Republic of Korea

Phone: +82-2-2220-2428

E-mail: jgy107@gmail.com

Date of Birth: Oct-7, 1993

EDUCATION

- B.S. (2013-2017)

Department of Molecular and Life Science,
Hanyang University, Ansan, Korea

- M.S. (2017-2019)

Department of Personalized Genome Medicine, Graduate School,
Hanyang University, Seoul, Korea

LIST OF PUBLICATIONS

Full Papers: International peer-reviewed journals

1. Jeong-Yeon Lee*, Hyeong-Seok Joo*, Hee-Joo Choi, Sora Jin, Hyung-Yong Kim, **Ga-Young Jeong**, Hee Woon An, Mi Kyung Park, Seung Eun Lee, Wan-Seop Kim, Taekwon Son, Kyueng-Whan Min, Young-Ha Oh, Gu Kong. Role of MEL-18 Amplification in Anti-HER2 Therapy of Breast Cancer. **Journal of the National Cancer Institute**. 2018 Sep 27. DOI: 10.1093/jnci/djy151.

2. Hee-Joo Choi*, Sora Jin*, Hani Cho, Hee-Young Won, Hee Woon An, **Ga-Young Jeong**, Young-Un Park, Hyung-Yong Kim, Mi Kyung Park, Taekwon Son, Kyueng-Whan Min, Ki-Seok Jang, Young-Ha Oh, Jeong-Yeon Lee, Gu Kong. CDK12 Drives Breast Tumor Initiation and Trastuzumab Resistance via WNT and IRS1-ErbB-PI3K Signaling. **EMBO reports**. 2019 Oct 4. DOI: 10.15252/embr.201948058.\
3. **Ga-Young Jeong***, Mi Kyung Park*, Hee-Joo Choi*, Hee Woon An, Young-Un Park, Hyung-Jun Choi, Jin Park, Hyung-Yong Kim, Taekwon Son, Ho Lee, Kyueng-Whan Min, Young-Ha Oh, Jeong-Yeon Lee, Gu Kong. NSD3-Induced Methylation of H3K36 Activates NOTCH Signaling to Drive Breast Tumor Initiation and Metastatic Progression. **Cancer Research**. 2021 Jan 1. DOI: 10.1158/0008-5472.CAN-20-0360

EXPERIMENTAL TECHNIQUES

Cell culture (breast cancer cell lines etc.)

Cell viability assay (cell growth analysis, cell viability with drug (tamoxifen, small molecule inhibitor etc.))

Colony formation assay

DNA preparation

RNA preparation, RT-PCR, qRT-PCR

Immunoblotting and immunoprecipitation

Mammosphere and tumorsphere formation assay

Flow cytometry analysis (cell surface marker, enzymatic activity)

Immunofluorescence staining

Luciferase reporter assay

ChIP assay

Transwell migration and invasion assays

Generation of lentivirus

Lentiviral transduction, generation of stable cell lines

Orthotopic tumor xenografts (limiting dilution assay, in vivo anti-cancer drug resistant model etc.)