**Keun Hong Son (손근홍)**

Personal website: [**keun-hong.github.io**](https://keun-hong.github.io)

(Last updated on 2023-07-24)

**EDUCATION**

**Seoul National University**, Seoul, Korea *03/2019-present*

Doctor of Philosophy (PhD) in Veterinary & Biomedical Sciences (Cancer Biology track)

**Dankook University**, Cheonan, Korea *03/2016-02/2018*

Master of Science (MSc) in Microbiology

**Dankook University**, Cheonan, Korea *03/2010-02/2016*

Bachelor of Science (BSc) in Microbiology

**EMPLOYMENT AND PROFESSIONAL EXPERIENCE**

*03/2019-present*

Graduate research associate — BK21 PLUS Program for Creative Veterinary Science Research and Research Institute for Veterinary Science; and Comparative Medicine Disease Research Center (CDRC)

**Seoul National University**, Seoul, Korea

Lab PI: Je-Yoel Cho (<http://vetbio.snu.ac.kr>)

*03/2018-02/2019*

Research assistant — BK21 PLUS Program for Creative Veterinary Science Research and Research Institute for Veterinary Science; and Comparative Medicine Disease Research Center (CDRC)

**Seoul National University**, Seoul, Korea

Lab PI: Je-Yoel Cho

*03/2017-02/2018*

Visiting research fellow — Department of Pathology, College of Medicine

**Catholic University**, Seoul, Korea

Host PI: Suk Woo Nam (<https://www.namswlab.com>)

*03/2017-02/2018*

Visiting research fellow — Research Institute of Medical Science

**Konkuk University**, Seoul, Korea

Host PI: Jueng Soo You

*03/2016-02/2018*

Graduate research associate — Department of Microbiology, College of Natural Sciences

**Dankook University**, Cheonan, Korea

Lab PI: Keunsoo Kang

*12/2014-02/2016*

Research assistant — Department of Microbiology, College of Natural Sciences

**Dankook University**, Cheonan, Korea

Lab PI: Keunsoo Kang

**PUBLICATIONS**

Total number of publications: 8

As first-author: 3

As co-author: 5

*\*indicates co-first authorship*

**Son KH**\*, Aldonza MBD\*, Nam AR\*, Lee KH, Lee JW, Shin KJ, Kang K, Cho JY. “Integrative mapping of the dog epigenome: reference annotation for comparative intertissue and cross-species studies”. ***Science Advances*** 9, eade3399 (2023).

***Featured in BRIC한빛사***

Kim H\*, Lee K, **Son KH**, Shin T, Cho J. “Extracellular vesicle-mediated transfer of miR-1 from primary tumor repress distant metastasis growth”. ***bioRxiv*** (2023)

Kim HS\*, Na MJ\*, **Son KH**, Yang HD, Kim SY, Shin E, Ha JW, Jeon S, Kang K, Moon K, Park WS, Nam SW. “ADAR1-dependent miR-3144-3p editing simultaneously induces MSI2 expression and suppresses SLC38A4 expression in liver cancer”. ***Experimental & Molecular Medicine*** 55(1), 95-107 (2023)

Yoon Y\*, You JS\*, Kim T, Ahn WJ, Kim MJ, **Son KH**, Ricarte D, Ortiz D, Lee S, Lee H. “Senescence and impaired DNA damage responses in alpha-synucleinopathy models”. ***Experimental & Molecular Medicine*** 54(2), 115-128 (2022)

Hong SH\*, **Son KH\***, Ha SY, Wee TI, Choi SK, Won JE, Han HD, Ro Y, Park Y, Eun JW, Nam SW, Han J, Kang K, You JS. “**Nucleoporin 210 Serves a Key Scaffold for SMARCB1 in Liver Cancer”. *Cancer Research* 81(2), 356-370 (2021)**

**Kim SY\*, Shen Q, Son K, Kim HS, Yang HD, Na MJ, Shin E, Yu S, Kang K, You JS, Yu K, Jeong SM, Lee EK, Ahn YM, Park WS, Nam SW. “SMARCA4 oncogenic potential via IRAK1 enhancer to activate Gankyrin and AKR1B10 in liver cancer”. *Oncogene* 40(28), 4652-4662 (2021)**

**Son K**, Yu S, Shin W, Han K, Kang K. “**A Simple Guideline to Assess the Characteristics of RNA-Seq Data”. *BioMed Research International* (2018)**

Lee K\*, Park H\*, **Son K**, Shin T, & Cho J. “**Transcriptome Signatures of Canine Mammary Gland Tumors and Its Comparison to Human Breast Cancers”. *Cancers (Basel)* 10(9), 317 (2018)**

**INTERNATIONAL CONFERENCES**

* Oral Presentation (Invited Speaker), International Conference of the Korean Society for Molecular and Cellular Biology 2022 (Jeju, KR)

**PROFESSIONAL SERVICE**

**Ad-Hoc Peer-Reviewer** for the following journals (≥1 manuscript/s reviewed):

* Nature Communications

**HONORS & AWARDS**

* Young Scientist Award (우수발표상) — KSMCB 2022
* Thesis Award (논문발표상) — ERD Day 2022, College of Veterinary Medicine, SNU

**CONTACT REFERENCES**

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**Prof. Suk Woo Nam**

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Department of Pathology

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E-mail: [swnam@catholic.ac.kr](mailto:swnam@catholic.ac.kr)

**Prof. Jueng Soo You**

Associate Professor

Research Institute of Medical Science

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E-mail: jsyou@kku.ac.kr