

Bo-Hyun You

Post Doc

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Research Interest

Transcriptome assembly, long non-coding RNAs, cancer genomics

Education

2016. 03 ~ 2020. 02 Ph.D., Life Science, Hanyang University, Seoul, Rep. of Korea
Advisor: Associate Professor, Jin-Wu Nam
Thesis: Reconstruction of High-confidence Transcriptome Maps and Annotation of lncRNAs in Pan-cancer

2013. 03 ~ 2015. 08 M.S., Life Science, Hanyang University, Seoul, Rep. of Korea
Advisor: Assistant Professor, Jin-Wu Nam
Thesis: Computational Approach for Comprehensive Transcriptome Assembly using High-throughput RNA sequencing

Honors & Awards

- 2020. 02. **Best PhD Thesis Award**
Hanyang University
- 2018. 04. **Best Paper Award**
BK21 Plus Ecobio Fusion Research Team, Hanyang University
- 2018. 02. **Best Paper Award**
Nature Science Research Institute, Hanyang University
- 2017. 11. **Best Paper Award (Young Scientist)**
Korean Society for Bioinformatics and Systems Biology
- 2016. 08. **Best Poster Award**
Korean Society for Bioinformatics and Systems Biology
- 2014. 12. **Best Poster Award**
Korean Epigenetics Society Symposium
- 2014. 11. **Best Poster Award**
Korean Society for Bioinformatics and Systems Biology
- 2014. 06. **Best Poster Award**
Korean RNA Society Summer Symposium
- 2013. 11. **Best Paper Award**
Korean Society for Bioinformatics and Systems Biology

Patents & Copyrights

2019. 06. **Patent (10-2019-0067519)**
A novel therapeutic target for esophageal squamous cell carcinoma:
a novel long noncoding RNA, HERES
2019. 05. **Patent (10-2019-0062423)**
New prognostic and diagnostic markers for esophageal squamous cell carcinoma:
long noncoding RNAs
2016. 12. **Copyright (C-2016-026461)**
CAFE program

Publications

- **Bo-Hyun You***, Jung-Ho Yoon*, Hoin Kang, Eun Kyung Lee, Sang Kil Lee, and Jin-Wu Nam. HERES, a lncRNA that Regulates Canonical and Noncanonical Wnt Signaling Pathways via Interaction with EZH2. *Proceedings of the National Academy of Sciences (PNAS)*, 116(49):24620-24629, 2019.
- Jung-Ho Yoon, **Bo-Hyun You**, Chan Hyuk Park, Yeong Jin Kim, Jin-Wu Nam, and Sang Kil Lee. The long noncoding RNA LUCAT1 promotes tumorigenesis by controlling ubiquitination and stability of DNA methyltransferase1 in esophageal squamous cell carcinoma. *Cancer Letters*, 417:47-57, 2018.
- **Bo-Hyun You**, Sang-Ho Yoon and Jin-Wu Nam. High-confidence coding and noncoding transcriptome maps. *Genome Res.*, 27(6):1050-1062, 2017.
- Yong-Hee Rhee, Tae-Ho Kim, A-Young Jo, Mi-Yoon Chang, Chang-Hwan Park, Sang-Mi Kim, Jae-Jin Song, Sang-Min Oh, Sang-Hoon Yi, Hyeon Ho Kim, **Bo-Hyun You**, Jin-Wu Nam, and Sang-Hun Lee. LIN28A enhances the therapeutic potential of cultured neural stem cells in a Parkinson's disease model. *Brain*, 139(Pt 10):2722-2739, 2016.
- Jin-Wu Nam, Seo-Won Choi, and **Bo-Hyun You**. Incredible RNA: Dual Functions of Coding and Noncoding. *Mol. Cells*, 39(5):367-374, 2016.
- MinHyeok Kim*, **Bo-Hyun You***, and Jin-Wu Nam. Global estimation of the 3' untranslated region landscape using RNA sequencing. *Methods*, 83:111-117, 2015.

* denotes equal contribution