

## Bo-Hyun You

PhD candidate  
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### Research Interest

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Transcriptome assembly, long non-coding RNAs, cancer genomics

### Education

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2016. 03 ~           **Ph.D. candidate, 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: Associate Professor Jin-Wu Nam  
Thesis: Computational Approach for Comprehensive Transcriptome  
Assembly using High-throughput RNA sequencing

### Honors & Awards

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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

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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

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- **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)*, *In press*.
- 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