

## Curriculum Vitae

## 류제황 (Je-Hwang Ryu)

전남대학교 치의학전문대학원 교수



## ● 학력

- |      |  |
|------|--|
| 2006 | Gwangju Institute of Science and Technology (GIST), Life Science, Ph.D   |
| 2002 | Gwangju Institute of Science and Techbology (GIST), Life Science, M.S    |
| 1999 | Chonnam National University, Biological and environmental chemistry, B.S |

## ● 경력

- |              |   |
|--------------|---|
| 2012–Present | School of Dentistry, Chonnam National University, Professor |
| 2008–2012    | Life Science, GIST, Research Professor                      |
| 2006–2008    | Columbia University Medical School, New York, USA, Post–Doc |

## ● 학회활동 및 수상경력

- 대한연골및골관절염학회 중견연구자상 (2022)
- 과학·정보통신의 날 과학기술포장 (2021)
- 국가연구개발 우수성과 100선 생명·해양분야 최우수성과 (2020)
- 전남대학교 치연학술상 (2021)
- 한국분자세포생물학회 마크로젠과학자상 (Macrogen Scientist Award) (2019)
- 전남대학교 용봉학술상 (2019)
- 전남대학교 우수연구자상 (2019)
- 전남대학교 의학연구학술상 (2014)

## ● 주요 연구 실적

1. Avenanthramide C as a novel candidate to alleviate osteoarthritic pathogenesis. Tran TT, Song WH, Lee G, Kim HS, Park D, Huh YH, Ryu JH. *BMB Rep.* 2021 Oct;54(10):528–533.
2. Hypoxia-inducible factor-2alpha mediates senescence-associated intrinsic mechanisms of age-related bone loss. Lee SY, Park KH, Lee G, Kim SJ, Song WH, Kwon SH, Koh JT, Huh YH, Ryu JH. *Exp Mol Med.* 2021 Apr;53(4):591–604.
3. Controlling hypoxia-inducible factor-2alpha is critical for maintaining bone homeostasis in mice. Lee SY, Park KH, Yu HG, Kook E, Song WH, Lee G, Koh JT, Shin HI, Choi JY, Huh YH, Ryu JH. *Bone Res.* 2019 May 13;7:14.
4. The CH25H-CYP7B1-ROR $\alpha$  axis of cholesterol metabolism regulates osteoarthritis. Choi WS, Lee G, Song WH, Koh JT, Yang J, Kwak JS, Kim HE, Kim SK, Son YO, Nam H, Jin I, Park ZY, Kim J, Park IY, Hong JI, Kim HA, Chun CH, Ryu JH\*, Chun JS\*. *Nature.* 2019 Feb 6. doi: 10.1038/s41586-019-0920-1. [Co-corresponding Author]
5. NAMPT enzyme activity regulates catabolic gene expression in gingival fibroblasts during periodontitis. Park KH, Kim DK, Huh YH, Lee G, Lee SH, Hong Y, Kim SH, Kook MS, Koh JT, Chun JS, Lee SE, Ryu JH. *Exp Mol Med.* 2017 Aug 18;49(8):e368.
6. NAMPT Is an Essential Regulator of RA-Mediated Periodontal Inflammation. Kim D, Lee G, Huh YH, Lee SY, Park KH, Kim S, Kim J, Koh J, Ryu J. *J Dent Res.* 2017 Jun;96(6):703–711.