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Education and Professional Background

Ph.D (2001): University of Minnesota, USA

Post-Doc. (2001-2003): Dana-Farber Cancer Institute, Harvard Medical School, USA

Professor (2003-present): 고려대학교 생명과학대학 생명공학부

Selected publications (Correspondence since 2011)

1. Jin et al., Interferon regulatory factor 7 regulates glioma stem cells via interleukin 6 and Notch signaling. *Brain*. 2012. In press.
2. Lim et al., Cellular characteristics of head and neck cancer stem cells in type IV collagen-coated adherent cultures. *Experimental Cell Research*. 2012. In press.
3. Jin et al., EGFR-AKT-Smad signaling promotes formation of glioma stem-like cells and tumor angiogenesis by ID3-driven cytokine induction. *Cancer Research*. 2011. 71: 7125-7134.
4. Beck et al., Identification of a peptide that interacts with Nestin protein in brain cancer stem cells. *Biomaterials*. 2011. 32: 8518-8528.
5. Jeon et al., ID4 imparts chemoresistance and cancer stemness to glioma cells by derepressing miR-9*-mediated suppression of SOX2. *Cancer Research*. 2011. 71: 3410-3421.
6. Yin et al., hMSC-mediated concurrent delivery of endostatin and carboxylesterase to mouse xenografts suppresses glioma initiation and recurrence. *Molecular Therapy*. 2011. 19: 1161-1169.
7. Jin et al., Frizzled 4 regulates stemness and invasiveness of migrating glioma cells established by serial intracranial transplantation. *Cancer Research*. 2011. 71: 3066-3075.
8. Lim et al., Cancer stem cell traits in squamospheres derived from primary head and neck squamous cell carcinomas. *Oral Oncology*. 2011. 47: 83-91. (Cover article).

Research of interest

1. 암줄기세포의 발생과 특성을 조절하는 신호 전달 기전 연구
2. 종양 미세환경의 형성과 상호 조절 기전 연구
3. 암줄기세포와 종양 미세환경 타겟 맞춤형 치료법 개발 연구