

# 최준호(생명과학과)

서울 [자연과학대학 생명학과](#) 교수이다.

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## 학력

- 2003.04 - 2007.02, The University of Sydney, Majored in Biochemistry, Bachelor of Science
- 2007.03 - 2009.02, 고려대학교 생명고학과, 분자세포생물학전공, 이학석사
- 2009.03 - 2013.02, 고려대학교 생명공학과, 분자생물학전공, 이학박사

## 경력

- 2013.03 - 2013.10, 고려대학교 생명학과, 박사후 연구원 (Advisor: Yoon Ki Kim)
- 2013.11 - 2014.05, 고려대학교 생명학과, 연구교수 (Advisor: Yoon Ki Kim)
- 2014.07 - 2019.01, Boston Children's Hospital / Harvard Medical School, Postdoctoral Fellow (Advisor: Richard I. Gregory)

## 연구관심분야

- RNA 후성유전체학 (Epitranscriptomics)
- RNA modification을 통한 mRNA 안정성 조절 및 단백질 발현 조절 연구
- RNA modification을 통한 종양형성 (Tumorigenesis) 연구
- 배아줄기세포 (Mouse Embryonic Stem Cell) 에서의 유전자 발현 조절 연구

## 주요논문

1. mRNA circularization by METTL3-eIF3h enhances translation and promotes oncogenesis. Nature, 561(7724):556-560, 2018

2. The m6A Methyltransferase METTL3 Promotes Translation in Human Cancer Cells. *Mol cell*, 62(3):335-45, 2016
3. eIF4AIII enhances translation of nuclear cap-binding complex-bound mRNAs by promoting disruption of secondary structures in 5'UTR. *Proc Natl Acad Sci U S A*, 111(43):E4577-86, 2014
4. The mRNP remodeling mediated by UPF1 promotes rapid degradation of replication-dependent histone mRNA. *Nucleic Acids Research*, 42(14): 9334-49, 2014
5. Rapid degradation of replication-dependent histone mRNAs largely occurs on mRNAs bound by nuclear cap-binding proteins 80 and 20. *Nucleic Acids Research*, 41(2):1307-18, 2013

## 수상

- 2013, Excellent Research Award by Korea University
- 2012, Excellent Research Award by Korea University
- 2011, Excellent Research Award by Korea University
- 2011, Excellent Poster Award by KSCB
- 2010, Excellent Research Award by KSMCB - The RNA Society of Korea
- 2010, Excellent Poster Award by KSCB
- 2009, Fellowship from Seoul
- 2007, Fellowship from KRF (Korea Research Foundation)