



SIDDS 2023

Seoul International Digestive Disease Symposium 2023

In Conjunction with the Annual Meeting of the Korean Society of Gastroenterology

April 8-9, 2023 Hybrid congress



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| Name | Bon-Kyoung Koo |
| Affiliation | Center for Genome Engineering, IBS (Institute for Basic Science), IMBA (Institute of Molecular Biotechnology) |
| Country | South Korea |
| Major Field | Molecular biology |
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Educational Background

2002 – 2006 Ph.D., Div. of Molecular Life Science, POSTECH, Republic of Korea
(Advisor: Prof. Young-Yun Kong)
2000 – 2002 M.S. Div. of Molecular Life Science., POSTECH, Republic of Korea
1996 – 2000 B.S. Dept. of Life Science, POSTECH, Republic of Korea

Professional Experience

2021 – Present Associate Director, Center for Genome Engineering, IBS
(Institute for Basic Science), Daejeon, S.Korea
2017 – Present Group Leader, IMBA (Institute of Molecular Biotechnology), Vienna, Austria
2013 – 2017 Group Leader, Cambridge Stem Cell Institute, Univ. of Cambridge, Cambridge, UK
2009 – 2013 Postdoctoral fellow, Hubrecht Institute, KNAW, the Netherlands (Mentor: Prof. Hans Clevers)
2006 – 2009 Postdoctoral fellow, Pohang University of Science and Technology (POSTECH) and
Seoul National University (Mentor: Prof. Young-Yun Kong)

Other Experience and Professional Memberships

2022 – Present Editorial Board Member of Experimental and Molecular Medicine (EMM)
2019 – Present Academic Editor (Editorial Board Member) of PLOS Biology
2018 12th Mystery of Life Awards from the Korean Catholic Church
2016 CRUK - Multidisciplinary Project Award

Main Scientific Publications

1. Lee JH, Kim S, Han S, Min J, Caldwell B, Bamford AD, Rocha ASB, Park J, Lee S, Wu SS, Lee H, Fink J, Pilat-Carotta S, Kim J, Josseland M, Szep-Bakonyi R, An Y, Ju YS, Philpott A, Simons BD, Stange DE, Choi E, **Koo BK**, Kim JK. p57Kip2 imposes the reserve stem cell state of gastric chief cells. *Cell Stem Cell*. 2022 May 5;29(5):826-839.e9. doi: 10.1016/j.stem.2022.04.001.
2. Kim J, **Koo BK**, Clevers H. Organoid Studies in COVID-19 Research. *Int J Stem Cells*. 2022 Feb 28;15(1):3-13. doi: 10.15283/ijsc21251.
3. **Koo BK**. Methods in organoids: a model that goes beyond our imagination. *Exp Mol Med*. 2021 Oct;53(10):1449-1450. doi: 10.1038/s12276-021-00685-w. Epub 2021 Oct 18.
4. **Koo BK**†, Bartfeld S†, Alev C†. Organoids: ready for the revolution? *Journal of Mol Med*. 202 Apr;99(4):441-442. doi: 10.1007/s00109-021-02063-5. Epub 2021 Mar 29.



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5. Wu SH, Kim J†, and **Koo BK†** Organoid Technology For Basic Science And Biomedical Research. ***Biomimetic Microengineering***. p113 2020 Jan 16 (ERC, Troy Stem Cells, 639050)
6. Kim J, **Koo BK†**, and Knoblich JA† Human Organoids: model systems for human biology and medicine. ***Nature Reviews Molecular Cell Biology***. 2020 Jul 7;1-14. doi: 10.1038/s41580-020-0259-3. (ERC, Troy Stem Cells, 639050; HFSP - Young Investigators' Grant)