

# Young Joon Kim

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CONTACT INFORMATION	<i>E-mail:</i> yjkimnada (at) gmail (dot) com <i>Voice:</i> (917) 301-1413 <i>WWW:</i> yjkimnada.github.io
RESEARCH INTERESTS	Computational neuroscience, neural encoding/decoding, reinforcement learning, statistics for health-care policy, history of medicine and healthcare
EDUCATION	<b>Harvard Medical School</b> , Boston, MA M.D. Candidate (expected graduation date: May 2026)  <b>University of Cambridge</b> , Cambridge, UK M.Phil., Engineering, August, 2021  <b>Columbia University</b> , New York, NY B.A., Biology, May, 2020 Concentration, Statistics, May, 2020
HONORS AND AWARDS	Marshall Scholarship (NY District), 2019 Rhodes Scholarship Finalist (NY District), 2019 Barry M. Goldwater Scholarship, 2019  Columbia University Junior Phi Beta Kappa, 2020 <i>Summa Cum Laude</i> , 2020 I. I. Rabi Scholarship, 2016  Columbia Venture Competition (2nd Place), 2018 Empire State Opioid Innovation Challenge (Finalist), 2018 Columbia University Opioid Challenge (Winner), 2017
RESEARCH EXPERIENCE	<b>Center for Theoretical Neuroscience</b> , New York, NY <b>August 2019 - present</b> <ul style="list-style-type: none"><li>Built the first, state-of-the-art nonlinear retinal ganglion cell decoder for natural scene images via neural networks</li><li><i>First author manuscript in preparation for journal submission</i></li></ul> <b>Dana Farber Cancer Institute</b> , Boston, MA <b>May 2018 - August 2019</b> <ul style="list-style-type: none"><li>Elucidated the synthetic lethal targeting of <i>IKZF1</i>/IKAROS with lenalidomide in combination with either Menin or DOT1L inhibition in human <i>MLL</i>-transformed leukemias</li></ul> <b>Memorial Sloan Kettering Cancer Center</b> , New York, NY <b>May 2014 - April 2018</b> <ul style="list-style-type: none"><li>Helped identify convergent downstream effects of spliceosomal gene mutations that caused synthetic lethality</li><li>Characterized <i>SRSF2</i> point mutations in both murine and human hematopoiesis and demonstrated E7107 to be a potential inhibitor for splicing-mutant leukemias</li></ul>
PUBLICATIONS	Lee, S. C.-W. et al. Synthetic Lethal and Convergent Biological Effects of Cancer-Associated Spliceosomal Gene Mutations. <i>Cancer Cell</i> 34, 225-241.e8 (2018). [ <b>Co-author</b> ]

**Kim, Y. J.** & Abdel-Wahab, O. Therapeutic targeting of RNA splicing in myelodysplasia. *Seminars in Hematology* 54, 167173 (2017).

**Kim, Y. J.**, Kim, K. & Lee, S. The rise of technological unemployment and its implications on the future macroeconomic landscape. *Futures* 87, 19 (2017).

Lee, S. C.-W. et al. Modulation of splicing catalysis for therapeutic targeting of leukemia with mutations in genes encoding spliceosomal proteins. *Nat Med* 22, 672678 (2016). [**Co-author**]

Oh, D. S., **Kim, Y. J.**, Hong, M.-H., Han, M.-H. & Kim, K. Effect of capillary action on bone regeneration in micro-channeled ceramic scaffolds. *Ceramics International* 40, 95839589 (2014). [**Joint 1st author**]

PAPERS IN  
PREPARATION

**Kim, Y. J.**, et al.. Nonlinear decoding of natural scenes from primate retinal ganglion responses.

Lee, J. et al. YASS: Yet Another Spike Sorter applied to large-scale multi-electrode array recordings in primate retina. <http://biorxiv.org/lookup/doi/10.1101/2020.03.18.997924> (2020) doi:10.1101/2020.03.18.997924 [**Co-author**]

LEADERSHIP  
EXPERIENCE

**Kenzo Labs, Inc.**, Co-Founder, CEO

**Columbia University Organizations**

Columbia Science Review, *Editor-in-Chief*

Department of Biological Sciences, *Teaching Assistant*

Community Impact Student Executive Board

Table Tennis Club, *Vice President*

Road Runners, *Race Coordinator*

Habitat for Humanity, *Special Builds COordinator*

SKILLS

**Languages:** Fluent in English and Korean, Proficiency in Latin

**Technical Skills:** Fluent in Python, MATLAB, R, PyTorch, and molecular biology techniques

**Other Activities and Interests:** Cross-country running, Classical violin, Electronic music production