Curriculum Vitae - Sooyoung Cha

Laboratory of Machine Learning and Bioinformatics

502-407, Seoul National University, 1 Gwanak-ro, Gwanak-gu, 08826 Seoul, Korea ellen2g@snu.ac.kr, ORCiD: 0000-0001-7211-4603

Education

03/2019–02/2024 B.Sc. in Electrical & Computer Engineering, SNU, Seoul, Republic of Korea

Research experience

09/2024-	Integrated PhD candidate with Prof. Martin Steinegger
	Seoul National University, Seoul, Republic of Korea
02/2024-08/2024	Research intern with Prof. Martin Steinegger
	Seoul National University, Seoul, Republic of Korea
10/2021-04/2022	Research intern with Prof. Martin Steinegger
	Seoul National University, Seoul, Republic of Korea
01/2021-07/2021	Research intern with Prof. Sunghoon Kwon
	Seoul National University, Seoul, Republic of Korea

Publications

Kallenborn F., Chacon A., Hundt C., Sirelkhatim H., Didi K., **Cha S.**, Dallago C., Mirdita M., Schmidt B., Steinegger M.

GPU-accelerated homology search with MMseqs2. bioRxiv, 2024

Sommer M. J., **Cha S.**, Varabyou A., Rincon N., Park S., Minkin I., Pertea M., Steinegger M., Salzberg S. L.
Structure-guided isoform identification for the human transcriptome. Elife 11, e82556, 2022

Posters

Cha S, Kim S, Kim H, Steinegger M.
Large-scale Clustering and Analysis of Multi-Chain Multimer and Predicted Multi-Domain Monomer with Foldseek-Multimer-Cluster, RECOMB 2025, Seoul, Republic of Korea

Teaching Assistant

03/2025-08/2025	Introduction to Bioinformatics at Seoul National University, Republic of Korea
03/2025-08/2025	Integrative computational biology at Seoul National University, Republic of Korea
09/2025-	Advanced Bioinformatics at Seoul National University, Republic of Korea

Languages

Native	Korean
Fluent	English
Intermediate	French