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Education

2006.09-2012.05	Ph.D.	University of California, San Diego
2000.03-2002.02	M.S.	Seoul National University
1996.03-2000.02	B.S.	Seoul National University

Professional Experience

2021.10-current	Chief Technology Officer	Bertis Bioscience
2020.06-2021-10	Principal Bioinformatics Scientist	Seer
2015.06-2020-05	Staff Bioinformatic Scientist	Illumina
2012.07-2015.05	Senior Research Scientist	Pacific Northwest National Laboratory

Selected Publications

S Kim, K Scheffler, AL Halpern, MA Bekritsky, E Noh, M Källberg, X Chen, Y Kim, D Beyter, P Krusche, CT Saunders. Strelka2: Fast and accurate variant calling for clinical sequencing applications. *Nature Methods*, 15:591-594 (2018).

J Park, PD Piehowski, C Wilkins, M Zhou, J Mendoza, GM Fujimoto, BC Gibbons, JB Shaw, Y Shen, AK Shukla, RJ Moore, T Liu, VA Petyuk, N Tolic, L Pasa-Tolic, RD Smith, SH Payne, S Kim. Informed-Proteomics: Open-Source Software Package for Top-down Proteomics. *Nature Methods*. 14:909-914 (2017).

S Kim and P Pevzner. MS-GF+ makes progress towards a universal database search tool for proteomics. *Nature Communications*, 5, 5277, (2014). PMID: 25358478

B Zhang, J Wang, X Wang, J Zhu, Q Liu, Z Shi, MC Chambers, LJ Zimmerman, KF Shaddox, S Kim, SR Davies, S Wang, P Wang, CR Kinsinger, RC Rivers, H Rodriguez, RR Townsend, MJ Ellis, SA Carr, DL Tabb, RJ Coffey, RJ Slebos, DC Liebler, and the NCI CPTAC. Proteogenomic characterization of human colon and rectal cancer. *Nature*, 13, 382-387, (2014). PMID: 25043054

S Kim, N Mischerikow, N Bandeira, JD Navarro, L Wich, S Mohammed, A JR Heck, and P Pevzner. The Generating Function of CID, ETD and CID/ETD Pairs of Tandem Mass Spectra: Applications to Database Search. *Molecular & Cellular Proteomics*, 9, 2840-2852, (2010).

S Kim, N Gupta, and P Pevzner. Spectral Probabilities and Generating Functions of Tandem Mass Spectra: A Strike against Decoy Databases. *Journal of Proteome Research*, 7, 3354-3363 (2008).

Please refer to <http://goo.gl/1PtUNq> for the full publication list.