

BIOGRAPHICAL SKETCH

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NAME: Ha, Taehoon

eRA COMMONS USER NAME (credential, e.g., agency login):TAEHOONHA

POSITION TITLE: Biostatistician

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE (if applicable)	END DATE MM/YYYY	FIELD OF STUDY
Sungkyunkwan University, Seoul	BS	07/2017	Business, Quantitative Methods
Duke University, Durham, NC	MS	05/2018	Quantitative Management
Weill Cornell Medicine, New York, NY	MS	12/2019	Biostatistics and Data Science

A. Personal Statement

My research interest is developing and applying novel statistical methods to better design biological, pre-clinical, and clinical studies related to cancer prevention, diagnosis, treatment, and prognosis. I have extensive experience analyzing biomarker expression and alterations in human cancer tissue and blood specimens and animal studies. In particular, I participated in multiple data analyses exploring correlations of key biomarkers in human tissue specimens with clinical characteristics such as tumor stage, subtype, obesity, and inflammation using univariate and multivariable analyses. As a biostatistician in this R01 proposal, I will provide statistical expertise in the design, analysis, and interpretation of results from all Aims. I will also assist with the writing of statistical sections of manuscripts.

- Williams EH, Flint TR, Connell CM, Giglio D, Lee H, **Ha T**, Gablenz E, Bird N, Weaver J, Potts H, Whitley CT, Bookman MA, Lynch AG, Meyer H, Tavaré S, Janowitz T (2020), [CamGFR v2: A New Model for Estimating the Glomerular Filtration Rate from Standardized or Non-Standardized Creatinine in Patients with Cancer](#), Clinical Cancer Research.
- Montrose DC, Saha S, Foronda M, McNally EM, Zhou XK, **Ha T**, Krumsiek J, Verma A, Elemento O, Yantiss RK, Chen Q, Gross SS, Galluzzi L, Dow LE, and Dannenberg AJ (2021), [Exogenous and Endogenous Sources of Serine Contribute to Colon Cancer Metabolism and Growth](#), Cancer Research.
- Iyengar NM, Zhou XK, Mendieta H, El-Hely O, Giri DD, Winston L, Falcone DJ, Wang H, Meng L, **Ha T**, Pollak M, Hudis CA, Morrow M, Dannenberg AJ (2021), [Effects of Obesity on Breast Aromatase Expression and Systemic Metabo-Inflammation in Women with BRCA1 or BRCA2 Mutations](#), npj Breast Cancer.
- Nishiguchi R, Basu S, Staab HA, Ito N, Zhou XK, Wang H, **Ha T**, Johncilla M, Yantiss RK, Montrose DC, and Dannenberg AJ (2021). [Dietary Interventions to Prevent High Fructose Diet-associated Worsening of Colitis and Colitis-associated Tumorigenesis in Mice](#), Carcinogenesis.
- Basu S, Liu C, Zhou XK, Ryohei N, **Ha T**, Chen J, Johncilla M, Yantiss RK, Montrose DC, and Dannenberg AJ (2021). GLUT5 is a Determinant of Dietary Fructose-mediated Exacerbation of Experimental Colitis. American Journal of Physiology-Gastrointestinal and Liver Physiology. *In review*.
- Cho BA, Zhou XK, Morrow M, Giri DD, Sharaiha RZ, Kumar R, Yaghoobzadeh H, **Ha T**, Verma A, Elemento O, Pollak M, Laurence J, Iyengar NM, and Dannenberg AJ (2020), Overexpression of Complement-related Genes in Adipose Tissues of Obese Individuals: Implications for the Pathogenesis of COVID-19, Submitted to JCI Insight. *In review*.

Positions and Employment

Other Experience and Professional Memberships

Honors

C. Contribution to Science

- #### D. Additional Information: Research Support and/or Scholastic Performance

Ongoing Research Support

5P30CA045508	Tuveson, A. David (PI)	08/01/97-07/31/21
CSHL CANCER CENTER SUPPORT GRANT		
The goals of this research are to both develop new diagnostic tools and to also define cancer subtypes so that clinicians will be able to select the most effective therapeutic approaches.		
Role: Biostatistician		

Completed Research Support (past 3 years)

R21 CA239079

Kushi and Dannenberg (PI)

01/14/20-12/31/21

Reducing breast cancer risk through modifying body composition and decreasing inflammation in normal-weight women

The goal of this study is to test the feasibility of a diet and exercise intervention for this population and to generate data that can be used to plan a large lifestyle intervention trial.

Role: Research Assistant – Biostatistics

03/27/20-05/15/20

When COVID-19 cases surged, it was imperative to provide scientific findings and insights on time.

Nextstrain is an open-source project to secure the scientific and public health potential of pathogen genome data. It gives a continually-updated view of publicly available data alongside powerful analytic and visualization tools for use by the community. The goal of this project is to aid epidemiological understanding and improve outbreak response.

Role: Voluntary Technical Translator – Korean