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Research



Colin Begg, PhD
Chairman, Department of Epidemiology and Biostatistics

Dr. Begg has research interests spanning cancer epidemiology and statistical methods that are applicable to clinical research more broadly. In recent years Dr. Begg has been developing methods to identify etiologically distinct cancer sub-types, statistical tests of clonal relatedness of pairs of tumors, and more recently, efforts to detect clinically relevant signals from rare somatic mutations. Dr. Begg is Chair of the Department of Epidemiology and Biostatistics that conducts quantitative research across the cancer spectrum ([link to dept website here](#)). Dr. Begg has also served since 2014 as Editor-in-Chief of the international scholarly journal, *Clinical Trials*.



Publications Highlights

Mauguen A, Zabor EC, Thomas NE, Berwick M, Seshan VE, Begg CB. Defining cancer subtypes with distinctive etiologic profiles: an application to the epidemiology of melanoma. *Journal of the American Statistical Association* 2017;112:54-63. PMID: PMC5460661.

Mauguen A, Seshan VE, Ostrovnaya I, Begg CB. Estimating the probability of clonal relatedness of pairs of tumors in cancer patients. *Biometrics*. 2018 Mar;74(1):321-330. PMID: PMC5677588.

Begg CB, Ostrovnaya I, Geyer FC, Papanastasiou AD, Ng CKY, Sakr RA, Bernstein JL, BurkeKA, King TA, Piscuoglio S, Mauguen A, Orlov I, Weigelt B, Seshan VE, Morrow M, Reis-Filho JS. Contralateral breast cancers: Independent cancers or metastases? *International Journal of Cancer* 2018;142:347-356.

Chakraborty S, Arora A, Begg CB, Shen R. Using somatic variant richness to mine signals from rare variants in the cancer genome. *Nat Comm*. 2019 Dec 3;10(1):5506. PMID: PMC6890761.

Begg CB. In defense of p-values. *JNCI Cancer Spectr*. 2020 Feb 26;4(2): pkaa012. PMID: 32373778; PMID: PMC7191891.

People

A portrait of Colin Begg, PhD, a man with short grey hair and glasses, wearing a light purple shirt and a green tie. He is smiling and standing in front of a bookshelf filled with books.

Colin Begg, PhD
Chairman, Department of Epidemiology and Biostatistics

Biostatistician Colin Begg has research interests spanning cancer epidemiology and statistical methods that are applicable to clinical research more broadly.

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MSK requires doctors and faculty members to report (“disclose”) the relationships and financial interests they have with external entities. As a commitment to transparency with our community, we make that information available to the public.

Colin Begg discloses the following relationships and financial interests:

No disclosures meeting criteria for time period

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This page and data include information for a specific MSK annual disclosure period (January 1, 2022 through disclosure submission in spring 2023). This data reflects interests that may or may not still exist. This data is updated annually.

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