

Thomas Kislinger

University of Toronto, Department of Medical Biophysics
Princess Margaret Cancer Centre



Biography

Thomas Kislinger received his MSc in Analytical Chemistry from the University of Munich, Germany (1998). He completed his PhD in 2001, investigating the role of Advanced Glycation Endproducts in diabetic vascular complications at the University of Erlangen, Germany and Columbia University, New York. Between 2002 and 2006 he completed a post-doctoral fellowship at the University of Toronto. In 2006 he joined the Princess Margaret Cancer Centre as an independent investigator. Dr. Kislinger holds positions as Senior Scientist at the Princess Margaret Cancer Centre and as Professor and Chair at the University of Toronto in the Department of Medical Biophysics. The Kislinger lab applies proteomics technologies to translational and basic cancer biology. This includes the development of novel proteomics methodologies, identification of liquid biopsy signatures and the molecular identification of novel cell surface markers.

Link to websites

University of Toronto: <http://medbio.utoronto.ca/faculty/kislinger.html>

Kislinger Lab: <http://kislingerlab.uhnres.utoronto.ca/>

Select Publications

1. Sinha A, Huang V, Livingstone J, Wang J, Fritsch K, Fox NS, Donmez N, Heisler LE, Shiah YJ, Yao CQ, Alfaro JA, Volik S, Lapuk A, Fraser M, Kron K, Murison A, Sahinalp C, Collins CC, Berman DM, Masoomian M, Tetu B, Lupien M, van der Kwast T, Bristow RG, Kislinger T* & Boutros PC*. The Proteomic Landscape of Curable Prostate Cancer. *Cancer Cell* 2018 (in revision) *co-senior authors
2. Casey AE, Sinha A, Singhania R, Livingstone J, Waterhouse P, Tharmapalan P, Cruickshank J, Shehata M, Drysdale E, Drysdale E, Fang H, Isserlin R, Bailey S, Medina T, Deblois G, Shiah YJ, Barsyte-Lovejoy D, Bader G, Lupien M, Arrowsmith C, Knapp S, De Carvalho D, Berman H, Boutros PC, Kislinger T & Khokha R. Mammary molecular portraits reveal lineage-specific features and progenitor cell vulnerabilities. *J Cell Biol* 2018; 217(8): 2951–2974
3. Kim Y, Jeon J, Mejia S, Yao CQ, Ignatchenko V, Nyalwidhe JO, Gramolini AO, Lance RS, Troyer DA, Drake RR, Boutros PC, Semmes OJ & Kislinger T. Targeted proteomics identifies liquid-biopsy signatures for extracapsular prostate cancer. *Nat Commun* 2016 June 28; 7:11906.
4. Sharma P, Bousette N, Lazic S, Abbasi C, Dubois N, Ignatchenko A, Ignatchenko V, Teng A, Wilson A, Liu J, Noronha M, Wong V, Araki T, Massé S, Nanthakumar K, Tiburcy M, Zimmermann WH, Hamilton R, Liu PP, Backx PH, Keller G, Stagljar I, Scott IC, Kislinger T* & Gramolini AO*. Evolutionarily conserved intercalated disc protein Tmem65 regulates cardiac conduction and connexin 43 function. *Nat Commun*. 2015 Sep 25;6:8391. *co-senior authors
5. Rugg-Gunn P, Cox BJ, Lanner F, Sharma P, Ignatchenko V, Garner J, Gramolini AO, Rossant J, & Kislinger T. Cell surface proteomics identifies lineage-specific markers of embryo-derived stem cells. *Dev Cell* 2012; 22: 887-901.