

## Martin Krzywinski

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## Education

1996-1998 M.Sc. (Physics)  
1990-1996 B.Sc. (Hon) (Physics-Math)  
B.Sc (Biochemistry)

## Employment

2004– Staff Scientist  
Canada’s Michael Smith Genome Sciences Center

2002–2004 Bioinformatics Leader  
Canada’s Michael Smith Genome Sciences Center

1999–2002 System Administrator  
Canada’s Michael Smith Genome Sciences Center

## Research experience

genome and data visualization; physical map analysis; numerical simulation and modelling; network application development; bioinformatics infrastructure design and management

## Impact

	all	since 2021
citations	41,799 (+3,959 <sup>†</sup> )	18,231 (+822 <sup>‡</sup> )
<i>h</i> -index	63 (+2)	50 (+0)
<i>i10</i> -index	111 (+3)	84 (+5)

<sup>†</sup> relative to last year <sup>‡</sup> relative to “since 2020”

updated 27 May 2026 · <https://scholar.google.com/citations?user=C2wEkvAAAAAJ&hl=en>

## Publications—Refereed papers

Williams E.A., Warburton M., **Krzywinski M.** et al. (2026) The Typability Index: A tool for measuring and controlling for typing difficulty in text stimuli. *Behavior Research Methods*. **58**:61.

The Terry Fox Research Institute Marathon of Hope Cancer Centers Network (2025) The Terry Fox Research Institute Marathon of Hope Cancer Centres Network: A pan-Canadian precision oncology initiative. *Cancer Cell* **43**:587–592.

Altman, N. & **Krzywinski, M.** (2024) Crafting 10 Years of Statistics Explanations: Points of Significance. *Annual Review of Statistics and Its Application* (in print).

Altman, N. & **Krzywinski, M.** (2024) Understanding p-values and significance. *Laboratory Animals*. **58**:443–447.

Altman, N. & **Krzywinski, M.** (2024) Depicting variability and uncertainty using intervals and error bars. *Laboratory Animals*. **58**:453–457.

Deyell, R.J., Shen, Y., Titmuss, E., Dixon, K., Williamson, L.M., Pleasance, E., Nelson, J.M.T., Abbasi, S., **Krzywinski, M.**, Armstrong, L., Bonakdar, M., Ch'ng, C., Chuah, E., Dunham, C., Fok, A., Jones, M., Lee, A.F., Ma, Y., Moore, R.A., Mungall, A.J., Mungall, K.L., Rogers, P.C., Schrader, K.A., Virani, A., Wee, K., Young, S.S., Zhao, Y., Jones, S.J.M., Laskin, J., Marra M.A., & Rassekh, S.R. Whole genome and transcriptome integrated analyses guide clinical care of pediatric poor prognosis cancers. *Nat Commun* **15**, 4165 (2024).

Hallam, S., Kieft, B., Finke, N., McLaughlin, R., Nallan, A., **Krzywinski, M.** & Crowe, S. Genome-resolved correlation mapping links microbial community structure to metabolic interactions driving methane production from wastewater. *Nat Commun* **14**, 5830 (2023).

Reisle, C., Williamson, L.M., Pleasance, E., Davies, A., Pellegrini, B., Bleile, D.W., Mungall, K.L., Chuah, E., Jones, M.R., Ma, Y., Lewis, E., Beckie, I., Pham, D., Matiello Pletz, R., Muhammadzadeh, A., Pierce, B.M., Li, J., Stevenson, R., Wong, H., Bailey, L., Reisle, A., Douglas, M., Bonakdar, M., Nelson, J.M.T., Grisdale, C.J., **Krzywinski, M.**, Fistic, A., Mitchell, T., Renouf, D.J., Yip, S., Laskin, J., Marra, M.A., Jones, S.J.M. A platform for oncogenomic reporting and interpretation. *Nat Commun* **13**, 756 (2022).

Traving, S.J., Kellogg, C.T.E., Ross, T., McLaughlin, R., Kieft, B., Ho, G.Y., Peña, A., **Krzywinski, M.**, Robert, M. & Hallam, S.J. Prokaryotic responses to a warm temperature anomaly in northeast subarctic Pacific waters. *Communications Biology* **4**: 1217 (2021).

**Krzywinski, M.** Capturing the data moment: Effective public health communication in a pandemic UBC Medical Journal (2021) **12**:6–10.

Perez, S., Hahn, A., **Krzywinski, M.** & Hallam, S. Hive Panel Explorer: an interactive visualization tool to explore topological and data association patterns in large networks. *Bioinformatics* (2021) **20**;37(3):436-437.

**Krzywinski, M.** Enhancing research communication through information design and visual storytelling: Reflections on 10 years of APSS proceedings figures. (2018) *Proceedings of the Australian Poultry Science Symposium* **29**:135–144.

Albuquerque, M.A., Grande, B.M., Ritch, E.J., Pararajalingam, P., Jessa, S., **Krzywinski, M.**, Grewal, J.K., Shah, S.P., Boutros, P.C. and Morin, R.D., (2017) Enhancing knowledge discovery from cancer genomics data with Galaxy. *Giga Science*, 6(5), pp. 1–13.

Lever, J., Gakkhar, S., Gottlieb, M., Rashnavadi, T., Lin, S., Siu, C., Smith, M., Jones, M., **Krzywinski, M.**, Jones, S. (2017) A collaborative filtering based approach to biomedical knowledge discovery. *Bioinformatics*, **34**:652–659.

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- Krzywinski, M.** (2016) Visualizing Clonal Evolution in Cancer. *Molecular Cell* **62**:652–656.
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- Lim EL, Trinh DL, Scott DW, Chu A, **Krzywinski M.** et al. (2015) Comprehensive miRNA sequence analysis reveals survival differences in diffuse large B-cell lymphoma patients. *Genome Biology* **16**:18.
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## Publications—Columns

Kurz, C.F., **Krzywinski, M.** & Altman, N. (2026) Points of significance: Double robustness. *Nature Methods* **23**:868–870.

Greco, L., Luta, G., **Krzywinski, M.** & Altman, N. (2025) Points of significance: Symmetric alternatives to the ordinary least squares regression. *Nature Methods* **22**:1610–1613.

Kurz, C.F., **Krzywinski, M.** & Altman, N. (2025) Points of significance: Propensity score weighting. *Nature Methods* **22**:1–3.

Kurz, C.F., **Krzywinski, M.** & Altman, N. (2024) Points of significance: Propensity score matching. *Nature Methods* **21**:1770–1772.

Megahed, F.M, Chen, Y-J., Jones-Farmer, A., Rigdon, S.E., **Krzywinski, M.** & Altman, N. (2024) Points of significance: Comparing classifier performance with baselines. *Nature Methods* **21**:546–548.

Altman, N. & **Krzywinski, M.** (2024) Points of significance: Error in predictor variables. *Nature Methods* **21**:4–6.

Derry, A., **Krzywinski, M.** & Altman, N. (2023) Points of significance: Convolutional neural networks. *Nature Methods* **20**:1269–1270.

Derry, A., **Krzywinski, M.** & Altman, N. (2023) Points of significance: Neural network primer. *Nature Methods* **20**:165–167.

Dey, T., Lipsitz, S.R., Cooper, Z., Trinh, Q., **Krzywinski, M.** & Altman, N. (2022) Points of significance: Regression modelling of time-to-event data with censoring. *Nature Methods* **19**:1513–1515.

Dey, T., Lipsitz, S.R., Cooper, Z., Trinh, Q., **Krzywinski, M.** & Altman, N. (2022) Points of significance: Survival analysis — time-to-event data and censoring. *Nature Methods* **19**:906–908.

Megahed, F.M, Chen, Y-J., Megahed, A., Ong, Y., Altman, N. & **Krzywinski, M.** (2021) Points of significance: The class imbalance problem. *Nature Methods* **18**:1270–1272.

Altman, N. & **Krzywinski, M.** (2021) Points of significance: Graphical assessment of tests and classifiers. *Nature Methods* **18**:840–842.

Altman, N. & **Krzywinski, M.** (2021) Points of significance: Testing for rare conditions. *Nature Methods* **18**:224–225.

Voelkl, B., Würbel, H., **Krzywinski, M.** & Altman, N. (2021) Points of significance: The standardization fallacy. *Nature Methods* **18**:5–7.

Bjørnstad, O.N., Shea, K., **Krzywinski, M.** & Altman, N. (2020) Points of significance: Uncertainty and the management of epidemics. *Nature Methods* **17**:867–868.

Bjørnstad, O.N., Shea, K., **Krzywinski, M.** & Altman, N. (2020) Points of significance: The SEIRS model for infectious disease dynamics. *Nature Methods* **17**:557–558.

Bjørnstad, O.N., Shea, K., **Krzywinski, M.** & Altman, N. (2020) Points of significance: Modeling infectious epidemics. *Nature Methods* **17**:455–456.

Grewal, J., **Krzywinski, M.** & Altman, N. (2020) Points of significance: Markov models — training and evaluation of hidden Markov models. *Nature Methods* **17**:121–122.

Grewal, J., **Krzywinski, M.** & Altman, N. (2019) Points of significance: Hidden Markov models. *Nature Methods* **16**:795–796.

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- Das, K., **Krzywinski, M.** & Altman, N. (2019) Points of significance: Quantile regression. *Nature Methods* **16**:451–452.
- Greco, L., Luta, G., **Krzywinski, M.** & Altman, N. (2019) Points of significance: Analyzing outliers: Robust methods to the rescue. *Nature Methods* **16**:275–276.
- Smucker, B., **Krzywinski, M.** & Altman, N. (2019) Points of significance: Two-level factorial experiments *Nature Methods* **16**:211–212.
- Altman, N. & **Krzywinski, M.** (2018) Points of significance: Predicting with confidence and tolerance *Nature Methods* **15**:843–844.
- Smucker, B., **Krzywinski, M.** & Altman, N. (2018) Points of significance: Optimal experimental design. *Nature Methods* **15**:559–560.
- Altman, N. & **Krzywinski, M.** (2018) Points of significance: Curse(s) of dimensionality. *Nature Methods*. **15**:299–400.
- Bzdok, D., **Krzywinski, M.** & Altman, N. (2018) Points of significance: Statistics vs machine learning. *Nature Methods* **15**:233–234.
- Bzdok, D., **Krzywinski, M.** & Altman, N. (2018) Points of significance: Machine learning: supervised methods. *Nature Methods* **15**:5–6.
- Bzdok, D., **Krzywinski, M.** & Altman, N. (2017) Points of significance: Machine learning: a primer. *Nature Methods* **14**:1119–1120.
- Altman, N. & **Krzywinski, M.** (2017) Points of significance: Ensemble methods: Bagging and random forests. *Nature Methods* **14**:933–934.
- Krzywinski, M.** & Altman, N. (2017) Points of significance: Classification and decision trees. *Nature Methods* **14**:757–758.
- Lever, J., **Krzywinski, M.** & Altman, N. (2017) Points of significance: Principal component analysis. *Nature Methods* **14**:641–642.
- Altman, N. & **Krzywinski, M.** (2017) Points of significance: Clustering. *Nature Methods* **14**:545–546.
- Altman, N. & **Krzywinski, M.** (2017) Points of Significance: Tabular data. *Nature Methods* **14**:329–330.
- Altman, N. & **Krzywinski, M.** (2017) Points of Significance: Interpreting  $P$  values. *Nature Methods* **14**:213–214.
- Altman, N. & **Krzywinski, M.** (2017) Points of significance:  $P$  values and the search for significance. *Nature Methods* **14**:3–4.
- Lever, J., **Krzywinski, M.** & Altman, N. (2016) Points of significance: Regularization. *Nature Methods* **13**:803–804.
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- Krzywinski, M.** (2016) Points of View: Intuitive design. *Nature Methods* **13**:895.
- Krzywinski, M.** (2016) Points of View: Binning high-resolution data *Nature Methods* **13**:463.
- Lever, J., **Krzywinski, M.** & Altman, N. (2016) Points of significance: Classifier Evaluation. *Nature Methods* **13**:603–604.
- Lever, J., **Krzywinski, M.** & Altman, N. (2016) Points of significance: Logistic regression. *Nature Methods* **13**:541–542.

- Altman, N. & **Krzywinski, M.** (2016) Points of significance: Regression diagnostics. *Nature Methods* **13**:385–386.
- Altman, N. & Krzywinski, M. (2016) Points of significance: Analyzing outliers: Influential or nuisance. *Nature Methods* **13**:281–282.
- Hunnicut, B.J. & **Krzywinski, M.** (2016) Points of View: Neural circuit diagrams *Nature Methods* **13**:189.
- Hunnicut, B.J. & **Krzywinski, M.** (2016) Points of View: Pathways *Nature Methods* **13**:5.
- Krzywinski, M.** & Altman, N. (2015) Points of significance: Multiple linear regression. *Nature Methods* **12**:1103–1104.
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- Altman, N. & **Krzywinski, M.** (2015) Points of significance: Association, correlation and causation. *Nature Methods* **12**:899–900.
- Puga, J.L, **Krzywinski, M.** & Altman, N. (2015) Points of significance: Bayesian networks. *Nature Methods* **12**:799–800.
- McInerny, G. & **Krzywinski, M.** (2015) Points of View: Untangling Complex Plots. *Nature Methods* **12**:591.
- Kulesa, A., **Krzywinski, M.**, Blainey, P. & Altman, N (2015) Points of Significance: Sampling distributions and the bootstrap. *Nature Methods* **12**:477–478.
- Puga, J.L, **Krzywinski, M.** & Altman, N. (2015) Points of Significance: Bayesian Statistics *Nature Methods* **12**:277–278.
- Puga, J.L, **Krzywinski, M.** & Altman, N. (2015) Points of Significance: Bayes' Theorem *Nature Methods* **12**:277–278.
- Altman, N. & **Krzywinski, M.** (2015) Points of Significance: Split Plot Design. *Nature Methods* **12**:165–166.
- Altman, N. & **Krzywinski, M.** (2015) Points of Significance: Sources of Variation. *Nature Methods* **12**:5–6.
- Krzywinski, M.**, Altman, N. & Blainey, P. (2014) Points of Significance: Two factor designs. *Nature Methods* **11**:1187–1188.
- Krzywinski, M.**, Altman, N. & Blainey, P. (2014) Points of Significance: Nested designs. *Nature Methods* **11**:977–978.
- Blainey, P., **Krzywinski, M.** & Altman, N. (2014) Points of Significance: Replication. *Nature Methods* **11**:879–880.
- Krzywinski, M.** & Altman, N. (2014) Points of Significance: Analysis of Variance and Blocking. *Nature Methods* **11**:699–670.
- Krzywinski, M.** & Altman, N. (2014) Points of Significance: Designing Comparative Experiments. *Nature Methods* **11**:597–598.
- Krzywinski, M.** & Altman, N. (2014) Points of Significance: Non-parametric tests. *Nature Methods* **11**:467–468.
- Krzywinski, M.** & Altman, N. (2014) Points of Significance: Comparing Samples — Part 2 — Multiple testing. *Nature Methods* **11**:355–356.
- Krzywinski, M.** & Altman, N. (2014) Points of Significance: Comparing samples — Part 1 — t-tests. *Nature Methods* **11**:215–216.

- Krzywinski, M.** & Altman, N. (2014) Points of Significance: Visualizing samples with box plots. *Nature Methods* 11:119-120.
- Krzywinski, M.** & Altman, N. (2013) Points of Significance: Power and sample size. *Nature Methods* 10:1139-1140.
- Krzywinski, M.** & Altman, N. (2013) Points of Significance: Significance, P values and t-tests. *Nature Methods* 10:1041-1042.
- Krzywinski, M.** & Altman, N. (2013) Points of Significance: Error bars. *Nature Methods* 10:921-922.
- Krzywinski, M.** & Altman, N. (2013) Points of Significance: Importance of being uncertain. *Nature Methods* 10:809-810.
- Krzywinski, M.** & Cairo, A. (2013) Points of View: Storytelling. *Nature Methods* 10:687-687.
- Krzywinski, M.** & Savig, E. (2013) Points of View: Multidimensional Data. *Nature Methods* 10:595-595.
- Krzywinski, M.** & Wong, B. (2013) Points of View: Plotting symbols. *Nature Methods* 10:451.
- Krzywinski, M.** (2013) Points of View: Elements of visual style. *Nature Methods* 10:371.
- Krzywinski, M.** (2013) Points of View: Labels and callouts. *Nature Methods* 10:275.
- Krzywinski, M.** (2013) Points of View: Axes, ticks and grids. *Nature Methods* 10:183.
- Altschul S, Demchak B, Durbin R, Gentleman R, **Krzywinski M.** *et al.* (2013) The anatomy of successful computational biology software. *Nat Biotechnol* 31: 894-897.

## Publications—Book Chapters

**Krzywinski, M.** Scientific data visualization: Aesthetic for diagrammatic clarity. Chapter 3 in *Scientific Data Visualization: Aesthetic for Diagrammatic Clarity. More Than Pretty Pictures* (2017) Edited by Rikke Schmidt Kjærgaard & Lotte Philipsen. Routledge, NY.

Honaas, L, Altman, N, **Krzywinski M.** Study design for sequencing studies. *Methods in Statistical Genomics*. 1<sup>st</sup> ed Springer. (2016) *Methods Mol Biol.* 1418:39-66.

Chun HJE, Khattra J, **Krzywinski M**, Aparicio SA, Marra MA (Dellaire GD, Berman JN, Arceci RJ. editors). *Cancer Genomics*. 1st ed. Elsevier; 2013.

**Krzywinski M**, Corum J, Patterson K. Chapter 1: Visualization Principles for Scientific Communication. *Visualizing Biological Data – A Practical Guide*. Editors: Seán I. O'Donoghue & James B. Procter. Cambridge University Press. *In production*.

Schein JE, **Krzywinski M**. Part 2: Genomics. 2.2 Mapping. Fingerprint mapping. *Encyclopedia of Genetics, Genomics, Proteomics and Bioinformatics*. Editors: Lynn Jorde, Peter Little, Mike Dunn, Shankar Subramaniam.

Sossi V, Holden JE, Chan G, **Krzywinski M**, Stoessl AJ, Ruth TJ. Measuring the BP of four dopaminergic tracers utilizing a tissue input function. *Physiological Imaging of the Brain with PET*. Editors Gjedde, Hansen, Moos-Knudsen. 2001;131-137.

## **Publications—Magazines**

**Krzywinski M**, Schemaball: A New Spin on Database Visualization. *SysAdmin Magazine*. 2004; 13(8): 23-28.

**Krzywinski M**, Clusterpunch: Distributed Cluster Resource Monitoring. *SysAdmin Magazine*. 2003; 12(7): 24-29.

**Krzywinski M**, Butterfield YS. Sequencing the SARS Virus. *Linux Journal*. 2003; (115): 44-54.

**Krzywinski M**, Port Knocking: Look Ma – No ports! *Linux Journal, web edition* 2003; (<http://www.linuxjournal.com/article.php?sid=6811>)

**Krzywinski M**. Port Knocking: Network Authentication Across Closed Ports. *SysAdmin Magazine*. 2003; 12(6): 12-17.

**Krzywinski M**. Picking Cluster Parts: Cluster Construction at the Genome Sequence Centre. *login: The Magazine of USENIX and SAGE*, 2001; 26:36-44.

## Invited Presentations & Lectures

Design of visual explanations — an inquiry into values. Simons Foundation, New York, USA. 29 April 2026.

Boehringer Ingelheim Fonds Communicating Science Workshop. Cold Spring Harbour Laboratory, USA. 19–24 April 2026.

Eye for design, mind for data: in search of balance. VIZBI 2026, Cambridge, UK. 14 April 2026

Graphical abstract — designing for small spaces. Practical tips and redesign examples for creating scientific graphical abstracts. BMEG 518. UBC. 8 April 2026

Crafting Visual Explanations of Complex Science — Philosophy and Practise. Dana Farber Cancer Institute, Boston, USA. 25–26 March 2026.

Crafting Visual Explanations of Complex Science — Philosophy and Practise. University of Toronto. 16 March 2026.

Eye for design, mind for data: in search of balance. CS617. UMass Boston. 11 March 2026

Essence of data visualization and design in science: what makes a good figure? 2026 GIA Fundamentals of Biomedical Research, BIO Ventures for Global Health (BVGH). 3 March 2026

Explain visually, explain well. MEDS3001 Masterclass. University of Sydney. 2 March 2026

Crafting Visual Explanations of Complex Science — Philosophy and Practise. CHEM540C, UBC. 24 February 2026.

Crafting Visual Explanations of Complex Science — Philosophy and Practise. CHEM540C, UBC. 5 February 2026.

Crafting Visual Explanations of Complex Science — Philosophy and Practise. Advanced Scientific Communication (NSC 6020), Department of Neurosciences, Université de Montréal. 30 January 2026.

Crafting Visual Explanations of Complex Science — Philosophy and Practise. ATM Learns Seminar, Academy of Translational Medicine, UBC. 12 November 2025.

Crafting Visual Explanations of Complex Science — Philosophy and Practise. MYCO — Mycobacterial Youth Congress, Sant Ferriol, Girona, Spain. 3 October 2025.

Crafting Visual Explanations of Complex Science — Philosophy and Practise. Anatomy, Physiology & Pharmacology, University of Saskatchewan. 25 September 2025.

Crafting Visual Explanations of Complex Science — Philosophy and Practise. Mental Health & Addiction Rounds, Matrix-N cluster, UBC. 22 September 2025.

Crafting Visual Explanations of Complex Science — Philosophy and Practise. Stem Cell Network Training Seminar. 15 July 2025.

Boehringer Ingelheim Fonds Communicating Science Workshop. Schloss Lautrach, Germany. 22–25 May 2025.

Essence of data visualization and design in science: what makes a good figure? UBC Life Sciences Symposium, UBC. 11 April 2025.

Essence of data visualization and design in science: what makes a good figure? International Congress on Academic Medicine (ICAM), Halifax. 3 April 2025.

Essence of data visualization and design in science: what makes a good figure? CHEM/CHBE, UBC. 27 March 2025.

Art in Silico, Michigan Technological University's Institute for Computing and Cybersystems,

Houghton, Michigan. 24–25 March 2025.

Essence of data visualization and design in science: what makes a good figure? CHEM/CHBE, UBC. 13 March 2025.

Graphical abstract — designing for small spaces. BMEG581, UBC. 10 March 2025.

MEDS3001 Masterclass — explain visually, explain well. 4 March 2025.

Boehringer Ingelheim Fonds Communicating Science Workshop Schloss Lautrach, Germany. 21–24 February 2025.

Data speaks for itself, but what is it saying? Crafting visual explanations of complex ideas. Data Science Conference, University of Nevada, Reno. 18–20 February 2025.

Explain visually, explain well. Practise and philosophy of scientific communication. Data Science Conference, University of Nevada, Reno. 8–20 February 2025.

Space on a page. Weekly Graphics Meeting, Financial Times. 30 January 2025.

Changing our ways — philosophy and practise of scientific communication. Animal Molecular and Cellular Biology (AMCB), University of Florida, USA. 24 January 2025.

Eye for design, mind for data. Van Andel Institute, Grand Rapids, USA. 9–10 December 2024.

Elevate your research poster. Life Sciences Research Night 2024, UBC. 25 November 2024.

Boehringer Ingelheim Fonds Communicating Science Workshop. Schloss Lautrach, Germany. 8–13 November 2024.

I see therefore I think. Datavisualisierung fur alle WWTF Talking Charts, University of Vienna, Vienna, Austria. 29 August 2024.

Eye for design, mind for data. Complexity Science Hub, Vienna, Austria. 26–30 August 2024.

Designing graphical abstracts. Society for Developmental Biology, 83rd annual meeting, Atlanta, USA. 17 July 2024.

Essence of data visualization and design in science: what makes a good figure? CEEHRC, Vancouver. 13 June 2024.

Eye for design, mind for data. Luxembourg Centre for Systems Biomedicine, Belvaux, Luxembourg. 17–18 June 2024.

Eye for design, mind for data. Simons Foundation, New York, USA. 6 June 2024

Essence of data visualization and design in science: what makes a good figure? Germans Trias i Pujol Research Institute (IGTP), Badalona, Spain. 30 May 2024.

Essence of data visualization and design in science: what makes a good figure? University of Massachusetts, Boston, USA. 17 May 2024.

Essence of data visualization and design in science: what makes a good figure? Dana Farber Cancer Institute, Boston, USA. 15–16 May 2024.

Eye for design, mind for data. BCCHRC, Vancouver. 7 May 2024.

Boehringer Ingelheim Fonds Communicating Science Workshop. Cold Spring Harbour, USA. 19–24 April 2024.

Essence of data visualization and design in science: what makes a good figure? International Congress on Academic Medicine (ICAM), Vancouver. 14 April 2024

Art is Science in Love. Northeastern University, Vancouver, Canada. 21 March 2024

Eye for design, mind for data: in search of balance. VIZBI 2024, Los Angeles, USA. 12 March 2024.

Eye for design, mind for data: in search of balance. CS617 guest lecture, UMass Boston. 5 March 2024.

Eye for design, mind for data: in search of balance. TRIANGLE (TRaIning a New generation of researchers in Gastroenterology and livEr) summit, Toronto, Canada. 28–29 February 2024.

What makes a good figure? MEDS3001 Masterclass. University of Sydney, Australia. 26 February 2024.

Eye for design, mind for data — in search of balance. In conversation with Martina Richeldi and Stephen Potvin. Francis Crick Institute, London, UK. 15 February 2024.

Graphical abstract — designing for small spaces. Practical tips and redesign examples for creating scientific graphical abstracts. BMEG581. University of British Columbia, Vancouver. 14 February 2024.

Scientific Illustration — Graphical Abstracts. MICB506, SBME/MICB, University of British Columbia, 5 February 2024.

Showing data and explaining science visually: the rules, the guidelines and the warnings. 2023 Precision Oncology and Experimental Therapeutics (POET) Congress, Calgary, Canada. 12–13 October 2023.

Essence of data visualization and design in science: what makes a good figure? Bioinformatics & Molecular Epidemiology Training, Biotechnology Institute, Ankara University, Ankara, Turkey. 24 October 2023.

Effective poster design: legible, clear, concise and compelling. BCCHRI, Vancouver, Canada. 5 July 2023.

Essence of data visualization and design in science: what makes a good figure? Department of Pathology, Boston Children's Hospital, Boston, USA. 15 June 2023.

Visualization workshop. Boehringer Ingelheim Fonds Communicating Science Workshop, Schloss Lautrach, Germany. 5–10 May 2023.

Essence of data visualization and design in science: what makes a good figure? Max Planck Institute, Munich, Germany. 4 May 2023.

Engage my brain, not my eye – the non-negotiables in visual communication of data and concepts. UBC Pharmaceutical Sciences, University of British Columbia, Vancouver, Canada. 28 April 2023.

Essence of data visualization and design in science: what makes a good figure? International Congress on Academic Medicine (ICAM), Quebec City, Canada. 13 April 2023.

Engage my brain, not my eye – the non-negotiables in visual communication of data and concepts. KT Connects Webinar, Michael Smith Health Research BC, Vancouver, Canada. 31 March 2023.

Essence of data visualization and design in science: what makes a good figure? CHEM/CHBE, University of British Columbia, Vancouver, Canada. 16 & 23 March 2023.

Graphical abstracts: designing for small spaces. BMEG518. University of British Columbia, Vancouver, Canada. 27 February 2023.

What makes a good figure? MEDS3001 Masterclass. University of Sydney, Sydney, Australia. 27 February 2023.

Design of effective scientific figures. Human Proteome Organization webinar. 31 January 2023.

Art is Science in Love. Vrije Universiteit, Amsterdam, Netherlands. 19 December 2022.

Explain visually, explain well: what makes a good figure? Genetics Department, UMCG, Groningen, Netherlands. 8 December 2022.

Visualization workshop. Boehringer Ingelheim Fonds Communicating Science Workshop, Schloss Lautrach, Germany. 2–5 December 2022.

Genomes: sets of sets of sets. Set Visualization and Uncertainty. Schloss Dagstuhl - Leibniz-Zentrum für Informatik GmbH. 13–18 November, 2022.

Effectively communicating research through visuals. Science Communication, UBC Pharmaceutical Studies, BC Children's Hospital. 10 November 2022.

Visualization workshop. Boehringer Ingelheim Fonds Communicating Science Workshop, CSHL, USA, 30 October – 2 November 2022.

Communicating with Data. Canadian National Proteomics Network. 31 August 2022.

A pandemic of bad charts. BioVis Meetup. 24 May 2022.

Telling stories with data. MEDS3001 Masterclass – Visualizing Data. University of Sydney, Australia. 14 April 2022.

Art is Science in Love. Network Institute, Vrije Universiteit Amsterdam – Nieuw Universiteitsgebouw, Amsterdam, Netherlands. 14 April 2022.

Visualization workshop. Boehringer Ingelheim Fonds Communicating Science Workshop, Schloss Lautrach, Germany. 27–28 March 2022.

Eye for design, mind for data: in search of balance. Visualization masterclass. VIZBI 2022. 14 March 2022.

How to tell a story to the eye – design of data graphics. MEDS1001 Masterclass – Visualizing Data, University of Sydney, Australia. 10 March 2022

Turning Tables into Graphics: What's the story and where are the outliers? MICB425 Lecture. UBC. 9 March 2022.

Graphical abstract – designing for small spaces. Practical tips and redesign examples for creating scientific graphical abstracts. BMEG518 lecture. UBC. 1 March 2022.

How to tell a story to the eye – design of data graphics. Science communication workshop, East of Scotland Doctoral Training Partnership (EASTBio), Rules of Life. 25 February 2022.

Data visualisation principles and resources. SOMS4101 Honours Module on Data Analysis and Visualization, School of Medical Sciences, Faculty of Medicine and Health, University of Sydney, Australia. 24 February 2022.

Adobe Illustrator for scientist and practical data visualization workshop. Rock lab, Rockefeller University, New York, USA. 3 February 2022.

How to tell a story to the eye – design of data graphics. SeRC course on Visual Storytelling, Linköping University, Sweden. 14 January 2022.

Science – Clearly. CSCI-CITAC General Meeting, University of Toronto. 15 November 2021.

Visualization of Biological Data - From Analysis to Communication. Schloss Dagstuhl - Leibniz-Zentrum für Informatik GmbH. 3–8 October, 2021.

Science, art and pandemics. Medical Science Interdisciplinary Project, MEDS3888, University of Sydney, Australia. 20 September 2021.

Science Polish Perspectives Meetup USA 2021. Panel discussion: where art meets science. 16 September, 2021.

Scientific Communication Workshop. Stewart Blusson Quantum Matter Institute, UBC. August 2021.

Effective poster design: legible, clear, concise and compelling. BCCHRI Seminar Series. Vancouver.

July 2021.

BioMedVis Spring School on Biomedical Visualization. Europe. May 2021.

Visual design principles for scientific data, graphical abstracts and posters. 2021 Dermatology Skin Research Trainee Workshops, UBC. April 2021.

Design and delivery of effective visual conference presentations. 2021 ARCC pre-conference workshop. Canadian Center for Applied Research in Cancer Control. Vancouver. April 2021.

Design guidelines for posters and graphical abstracts. BCCHRI Seminar Series. Vancouver. March 2021.

Turning tables into graphics. MICB425. UBC, Vancouver. March 2021.

Graphical abstract – designing for small spaces. BMEG 518. UBC, Vancouver. March 2021.

Zoombean: Biosciences Education Australia Network Forum. Sydney, Australia. December 2020.

Rats tasting tea: some statistical issues in preclinical studies. With Naomi Altman. Preclinical Imaging and Testing Facility, MIT, USA. November 2020.

Scientific communication workshop: Till & McCulloch Meetings. October 2020.

Science communication: How to share science effectively and creatively. Epigene2SYS CNRS GDRI. October 2020.

Science, clearly: design, data and stories. Albert Einstein College of Medicine. New York, USA. September 2020.

Effective poster design: legible, clear, concise and compelling. BCCHRI Seminar, Vancouver. July 2020

Lecture. MICB425. Turning Tables into Graphics. UBC. March 2020

Invited talk. Putting the form in formalizing. Shonan Meeting 167, Tokyo, Japan.

Visualization workshop. The essence of data visualization in bioinformatics. Charles Perkins Centre, University of Sydney, Sydney, Australia. February 2020.

Invited talk. Cancer, Pi, Infinity. Charles Perkins Centre, University of Sydney, Australia. February 2020.

Invited talk. Fitting Big Science on a Small Page: Compact visual explanations of complicated things Lorne Proteomics Symposium, Lorne, Australia. February 2020.

Visualization workshop. The essence of data visualization in bioinformatics. International House, University of Melbourne, Melbourne, Australia. February 2020.

Visualization workshop. The essence of data visualization in bioinformatics. Peter Doherty Institute for Infection and Immunity. University of Melbourne, Melbourne, Australia. February 2020.

Visualization workshop. Using Circos in Galaxy Australia. Australian BioCommons, University of Melbourne, Melbourne, Australia. February 2020.

Visualization workshop. The essence of data visualization in bioinformatics. Australian BioCommons, University of Melbourne, Melbourne, Australia. February 2020.

Invited talk. Genomes, cancer, infinity. Department of Molecular Biology and Genetics, Bogazici University, Istanbul, Turkey. December 2019.

Invited talk. Art is science in love. Science: Polish Perspectives (SPP). Cambridge, UK. November 2019.

Invited talk. Set visualization in genomics. SetVA at IEEE VIS 2019. Vancouver, Canada. October 2019.

Invited talk. Little table, what do you have to say of visualization? BioVis at IEEE 2019. Vancouver, Canada. October 2019.

Visualization workshop. Effective visual scientific communication. Exposome cluster, Michael Smith Laboratories, UBC. October 2019.

Visualization workshop. Effective visual scientific communication. Hirst Lab. Michael Smith Laboratories, UBC. October 2019.

Visualization workshop. Boehringer Ingelheim Fonds Communicating Science Workshop, Cold Spring Harbor, NY, September 2019

Visualization workshop, Kobor Lab, BC Children's Hospital Research Institute, Vancouver, July 2019

Visualization workshop. Bioinformatics and Genome Analysis Course. Trento, Italy. June 2019.

Visualization workshop (2 part). Stewart Blusson Quantum Matter Institute, UBC, May & June 2019

Visualization workshop. Boehringer Ingelheim Fonds. Mainz, Germany. May 2018.

Keynote. MBB Graduate Colloquium 2019 (20th anniversary), SFU, April 2019.

Invited talk. Bio-IT World Conference & Expo, Boston, USA, April 2019.

Invited talk. Integrative Omics, 14th Annual New Mexico BioInformatics, Science and Technology (NMBIST) Symposium, Santa Fe, March 2019.

Lecture. MBB462. SFU. January 2019.

Lecture. MICB 425, UBC, February 2019

Visualization workshop. Faculty of Land and Food Systems, UBC, January 2019

Visualization workshop. Scientific Storytelling, Canadian Stem Cell Network, November 2018

Bioinformatics and Genome Analysis Course. Institut Pasteur de Tunis. Tunis, Tunisia. October 2018.

Visual Design Principles for Scientific Data workshop. Brain and Mind Symposium. Helsinki, Finland. 20–21 September 2018.

Invited talk. Microsoft, Vancouver. 1 August 2018.

Keynote, BioVis2018, ISMB, Chicago, USA. 9 July 2018.

Visualization workshop. Trainee Symposium, BC Children's Hospital Research Institute, Van Dusen Gardens, Vancouver. 20 June 2018.

Visualization workshop. Boehringer Ingelheim Fonds. Mainz, Germany. 3–8 June 2018.

Public lecture: Bridging Science, Art and Design. Sydney Vivid Festival. Museum of Contemporary Art, Sydney, Australia. 1 June 2018.

Data Visualization Masterclass, Sydney Vivid Festival. UTS, Sydney, Australia. 31 May 2018.

Visualization Workshop, SFU Omics, Simon Fraser University, Vancouver, 16 March 2018.

Visualization of Biological Data—Crossroads. Schloss Dagstuhl - Leibniz-Zentrum für Informatik GmbH, Saarbrücken, Germany. 15–20 April 2018.

Public lecture: Art is Science in Love, Charles Perkins Center, University of Sydney, Australia. 14 February 2018.

Visualization lecture: Information design is data choreography for the page. Westmead Institute for Medical Research, Sydney, Australia. 9 February 2018.

Visualization Workshop: Communicating science visually: Design of scientific concept and data figures. The Australian Poultry Science Symposium (APSS). Sydney, Australia. 8 February 2018.

Invited talk: Enhancing research communication through information design and visual storytelling: Reflections on 10 years of APSS proceedings figures. The Australian Poultry Science Symposium (APSS). Sydney, Australia. 4–7 February 2018.

Public lecture: Art is Science in Love, Curiosity Collider, Vancouver. 31 January 2018.

Visualization workshop. 4<sup>th</sup> Canadian Conference on Epigenetics: Mechanisms of Disease. Whistler, Canada. 26–29 November 2017.

Visualization workshop. Boehringer Ingelheim Fonds. Mainz, Germany. 19–24 November 2017.

Visualization workshop. iNANO Autumn School. Himmerland, Denmark. 6–8 October 2017.

Visualization workshop. Spetses Summer School. Spetsai, Greece. 24 September–1 October 2017.

Scalable Set Visualization. Schloss Dagstuhl - Leibniz-Zentrum für Informatik GmbH, Saarbrücken, Germany. 13–18 August 2017.

Bioinformatics and Genome Analysis Course. Centre for Research & Technology – Hellas. Thessalonica, Greece. June 5–17 2017.

Visualization workshop. UBC & CIHR Skin Research Day. 16 Mar 2017.

Visualization workshop. Boehringer Ingelheim Fonds. Banbury Center, Cold Spring Harbor Labs. Feb 25 – Mar 1, 2017.

Improving Your Visual Science Communication: Plots & Figures. Westgrid Workshop. 8 February 2017.

Essentials of Data Visualization: Thinking about drawing data and communicating science. MBB462. Simon Fraser University. 24 Jan 2017.

Keynote. UCD Computational and Molecular Biology Symposium, Dublin, Ireland. 2 December 2016.

Visualization lecture. VizUM, University of Miami, Florida. 10 November 2016.

Visualization lecture. Central European Institute of Technology, Brno, Czech Republic. 4 October 2016.

Thinking Scientifically. SCIE 113. University of British Columbia. 22 September 2016.

Visualization workshop and lectures. University of Sydney, Australia. 23–31 August 2016.

Visualization lecture. University of Ankara, Turkey. 12 August 2016.

Seeing Networks Change. CANHEIT-HPCS2016 Conference: Shaping the Digital Landscape, Edmonton, 22 JUNE 2016.

Sense and Sensibility—Visual Design Principles for Scientific Data. CANHEIT-HPCS2016 Conference: Shaping the Digital Landscape, Edmonton, 21 June 2016.

The Quality of Quantity. University of Washington Free Public Lecture. University of Washington, Seattle. 21 April 2016.

Data Science Seminar—Seeing networks change. University of Washington, Seattle. 20 April 2016.

Creating better scientific figures. Western Washington University, Bellingham. 7 April 2016.

Fraser lecture series: The Big Data Revolution in Human and Environmental Health. Mt Baker Theater, Western Washington University, Bellingham. 6 April 2016.

B.I.G. Retreat 2016: Art and Science of Data Visualization Workshop. UBC. 11 March 2016.

Visual design principles for scientific data. Ecoscope seminar. UBC. 7 March 2016.

Bioinformatics and Genome Analysis Course. Izmir International Biomedicine and Genome Institute, Izmir, Turkey. May 2–14, 2016.

Thinking Scientifically. SCIE 113. University of British Columbia. 21 January 2016.

Visual Design Principles for Scientific Data workshop. Brain and Mind Symposium. Långvik Congress Center, Kirkkonummi, Finland. 17–18 September 2015.

Visual Design Principles for Scientific Data workshop. Bactory Summer School—Skills Beyond Science. Copenhagen, Denmark. 17–19 August 2015.

Seeing Networks Change (keynote). Arts, Humanities, and Complex Networks. 6th Leonardo satellite symposium. NetSci2015. Zaragoza, Spain. 2 June 2015.

Visual Design Principles for Scientific Data workshop. PhD programme retreat, Vienna Biocenter. Vienna, Austria. 28–30 May 2015.

Visual Design Principles for Scientific Data. Research Institute for Molecular Pathology. Vienna, Austria. 27 May 2015.

Visual Design Principles for Scientific Data workshop. Aarhus Institute of Advanced Studies, Aarhus, Denmark. 13 April 2015.

More Than Pretty Pictures—The Aesthetics of Scientific and Artistic Data Representation (keynote). Aarhus Institute of Advanced Studies, Aarhus, Denmark. 13–16 April 2015.

Visual Design Principles for Scientific Data (keynote). BiVi annual meeting. Edinburgh, Scotland. 16–17 December 2014.

AGTA Australasian Genomic Technologies Association Conference. Melbourne, Australia. October 2014.

Visual Design Principles for Scientific Data workshop. VLSCI. Melbourne, Australia. 14 October 2014.

Visual Design Principles for Scientific Data. Walter & Eliza Hall Research Institute. Melbourne, Australia. 13 October 2014.

Visual Design Principles for Scientific Data. Peter MacCallum Cancer Center. Melbourne, Australia. 13 October 2014.

Sense and Sensibility. Illumina webinar. Melbourne, Australia. 13 October 2014.

Seeing Networks Change. Australian Bioinformatics Conference (ABiC). Melbourne, Australia. 11–12 October 2014.

Communicating Science to Scientists. Melbourne Brain Center. Melbourne, Australia. 10 October 2014.

Visual Design Principles for Scientific Data. Post-graduate master class. VLSCI. Melbourne, Australia. 10 October 2014.

What Does Art Have To Do With Science. ICT for Life Sciences Forum. Public lecture. University of Melbourne Law School. Melbourne, Australia. 9 October 2014.

EMBO Global Exchange Lecture Course on High-throughput/NGS applied to infectious diseases. Institut Pasteur de Tunis. Tunis, Tunisia. September 2014.

WEST Water and Environment Student Talks. Vancouver, British Columbia. June 2014.

Bioinformatics and Comparative Genome Analysis. Pasteur Institute, Athens, Greece. May 2014.

Health Data Linkage Conference. Vancouver, British Columbia. April 2014.

Hereditary Cancer Program Rounds, BCCA, Vancouver, British Columbia. April 2014.

Collaborative Universities Biomedical Education Network Annual Conference. Canberra, Australia. December 2013.

Wired Health Data|Life Conference. New York City, New York. September 2013.

ICOP International Congress of Prositology. Vancouver, British Columbia. August 2013.

Bioinformatics Training Program and the Integrated Oncology Program Retreat. Vancouver, British Columbia. April 2013.

VizBi (keynote), Cambridge, Massachusetts. March 2013.

University of Virginia Biotechnology Training Program Symposium. Charlottesville, Virginia. Nov 2013.

Bloomberg Design Conference. San Francisco, California. Jan 2013.

ICDM International Conference on Data Mining (keynote). Brussels 2012.

Schloss Dagstuhl Seminar on Biological Data Visualization. Saarbrucken, Germany. Sept 2012.

Bioinformatics and Comparative Genome Analysis Course. Pasteur Institute, Naples, Italy. May 2012. Visualizing Genomes with Circos.

Visualization Principles. Visualizing Biological Data (Vizbi) 2012. Heidelberg, Germany. Mar 2012.

Behind Every Great Visualization is a Design Principle. Bioinformatics & Computational Biology Seminar Series, Iowa State University. Ames, Iowa. Feb 2012.

Bioinformatics and Comparative Genome Analysis Course. Pasteur Institute, Paris, France. June 2011. Visualizing Genomes with Circos.

Designing Effective Visualization in the Biological Sciences & Circos and Hive Plots: Challenging visualization paradigms in genomics and network analysis. PSA Annual Meeting 2011 Genomics Workshop. University of Washington. July 2011.

Bioinformatics and Comparative Genome Analysis Course. Pasteur Institute, Paris, France. July 2010. Visualizing Genomes with Circos.

## Media—Covers, Interviews and Articles

- Nature Biotechnology*. April 2026. “A multi-kingdom genetic barcoding system” cover.
- Cell Genomics*. January 2023. “Parent-of-origin chromosomes” cover.
- Science Advances*. January 2023. “Universal sequencing read interpreter” cover.
- Annals of Oncology*. September 2022. “Cancer treatment options” cover.
- Nature Biotechnology*. April 2022 “Phylogenetic tree” cover.
- Cancer cell*. April 2022 “Kaleidoscopic heterogeneity” cover.
- Nature*. 17 March 2022 “Gene Genie” cover.
- PNAS*. 25 January 2022 “Earth BioGenome Project” cover.
- Science*. 24 September 2021 “Human Genome Research Ultramarathon” cover.
- Nature Genetics*. August 2020 cover.
- Splurge on a Better Keyboard, It’s Worth It, Bloomberg Quint interview. May 2020.
- Nature Cancer*, April 2020 cover.
- Enfield, N. Our job as scientists is to find the truth. But we must also be storytellers. *Guardian*, 19 July 2018. <https://www.theguardian.com/commentisfree/2018/jul/20/our-job-as-scientists-is-to-find-the-truth-but-we-must-also-be-storytellers>
- Molecular Case Studies, cover, April 2018.
- Nature* 10, cover, 18 December 2017.
- Human versus Machine, Nature Graphics, December 2018. <http://naturegraphics.tumblr.com/>
- In silico flurries: Computing a world of snow. *Scientific American SA Visual*. 23 December 2017. <https://blogs.scientificamerican.com/sa-visual/in-silico-flurries/>
- Pi in the Sky: elegant new visualization maps the digits of pi as a star catalogue. *Scientific American SA Visual*. 14 March 2017. <https://blogs.scientificamerican.com/sa-visual/pi-in-the-sky/>
- Chatzigeorgiou, K. (Jan–Feb 2017). Designing  $\pi$ . *Prime Magazine*. Aristotle University of Thessaloniki. <http://the-prime-magazine.math.auth.gr/data/documents/teukhos-3.pdf>
- Thatra, N. On the origins of scientists. *The Ubbyssey*. November (2016).
- Webb, S. The Art of Big Data. *BioTechniques* (2016) 61:107–112
- Accelerator. Magazine of the Multiple Myeloma Research Foundation. Summer 2016
- Marx, V. Data Visualization: Ambiguity as a Fellow Traveler. *Nature Methods* (2013) 10:613–615.
- UCSF Magazine. Fall 2013.
- Nature Reviews Cancer* Calendar. 2013.
- Trends in Genetics*. October 2012.
- PNAS* 109(18). May 2012.
- EMBO Journal*. 28(9) May 2009.
- iGenetics: A Molecular Approach*. 3<sup>rd</sup> ed. 2009

## Media—Illustrations

- Lemonick, M.D. How Analyzing Cosmic Nothing Might Explain Everything. *Scientific American*, January 2024.
- Moskowitz, C. 3,117,275,501 bases, 0 gaps. *Graphic Science, Scientific American*, August 2022.
- Anatomy of the SARS-Cov-2 virus. *American Scientist*. March/April 2022.
- Wadman, M. Critics decry access, transparency issues with key trove of coronavirus sequences. *Science*, 10 Mar 2021, My COVID genome poster from the deadly genome series appears in a *Science* news article about issues with open access to SARS-CoV-2 genome data.  
<https://www.sciencemag.org/news/2021/03/critics-decry-access-transparency-issues-key-trove-coronavirus-sequences>
- van Noorden, R. Scientist call for fully open sharing of coronavirus genome data. *Nature*, 3 Feb 2021. My COVID genome poster from the deadly genome series used in article.  
<https://www.nature.com/articles/d41586-021-00305-7>
- Fischetti, M. How COVID-19 Spread Like Wildfire. *Graphic Science, Scientific American*, June 2020.
- Fischetti, M. Take your medicine ... now. *Graphic Science, Scientific American*, January 2019.
- Decoding hemophilia. Illustration. *Hemaware*. Fall 2018.
- Johnson, H.L. The Whole Earth Catalogue. *Sactown*. June/July 2018, p. 89.
- Fischetti, M. Mental Illness Overlap. *Graphic Science, Scientific American*. July 2018.
- Genes that make us sick. Illustration in *The Objects that Power the Global Economy*. Quartz publishing. <https://mk.bcgsc.ca/genes.that.make.us.sick/>
- Fischetti, M. The Bacteria Game. *Graphic Science, Scientific American*. December 2015.
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- Wong, K., Tiny Genetic Differences between Humans and Other Primates Pervade the Genome. *Graphic Science, Scientific American*. September 2014. (bronze medal, Malofiej 23).
- Kolata, G. Cancers Share Gene Patterns, Studies Affirm. *New York Times* 1 May 2013.
- Kolata, G. A New Treatment's Tantalizing Promise Brings Heartbreaking Ups and Downs. *New York Times* 8 July 2012.
- Gorman, J. Ome—the Sound of the Scientific Universe Expanding. *New York Times* 3 May 2012
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- Haynes H. Getting Lost. *Wired* 2010
- Keim B. Beyond the Genome. *Wired* 2009
- Zimmer C. Now: The Rest of the Genome. *New York Times* 10 November 2008
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## Public Art and Science Projects

Beyond Belief Campaign BRCA Art. In collaboration with BC Cancer Foundation, I created 100 one-of-a-kind prints that explore the structure of genes that guard us against cancer.

<https://mk.bcgsc.ca/beyond-belief-campaign-brca-art>

GSC rebrand. <https://mk.bcgsc.ca/branding/>

Postcards. Big Research Day, UBC. 20 March 2025.

Mounted flow cells, wayfinding signs, agenda & media. GSC Collaborator Forum, BCCRC. 22 October 2024.

Dupuis, J., Lewis, E., Taylor, G., Nelson, J., Pleasance, E. & **Krzywinski, M.** Personalized OncoGenomics Program — Precision oncology provides effective therapeutic options for advanced cancer patients. Art posters for GSC POG retreat. 27 September 2024. SFU Harbour Center.

Ascent (with 3D extrusion). With Max Cooper. Barbican, London. 4–5 April 2024.

Repeated Sequence. A modular synthesizer experience. 14 March 2023.

<https://mk.bcgsc.ca/pi/piday2023/>

Ascent. Music video with Max Cooper. October 2022. <https://mk.bcgsc.ca/max-cooper-ascent>

Understanding the genome. MIT Museum Gene Cultures exhibit. From October 2022

<https://mk.bcgsc.ca/mit-museum-genome-exhibit>

Three One Four: A number of notes. 14 March 2022. <https://mk.bcgsc.ca/pi/piday2022/>

Unspoken Words. Max Cooper. Track 4: Ascent. March 2022. <https://maxcooper.net/unspoken-words>

Ascent: Max Cooper Live at the Acropolis Odeon of Herodes Atticus, Athens, Greece. July 2021.

Ascent: Max Cooper Live at Grand Central Hall, Liverpool, July 2021.

Transcendence: Transcendence: a tactile audio-visual installation in collaboration with Max Cooper, Salvador Breed, and AND&. April 2021

Gene Machines. Music album for GSC 20<sup>th</sup> anniversary, with Jordan Sauer.

<https://qrates.com/projects/20554>

Clothing and promotional material design. GSC 20<sup>th</sup> anniversary. November 2019.

<https://mk.bcgsc.ca/20th/>

Yearning for the Infinite. Animation. Max Cooper, London, September 2019.

DNA on 10<sup>th</sup>. Wayfinding signs on 10<sup>th</sup>/Oak for Health Care Corridor. June 2019.

<https://mk.bcgsc.ca/dnaon10th/>

Difference of One. BG Genomics Art exhibit. AGBT 2017. <https://mk.bcgsc.ca/agbt2017/>

Smithsonian Genome Zone. Washington, DC. Summer 2014.

Beautiful Science. British Library. Feb–May 2014.

Rudnik, J., **Krzywinski, M.**, de la Cruz, A. Interactive art piece and film short of the data and lives behind BRCA mutations. June 2013. <https://www.youtube.com/watch?v=CDZy3zod6XE>.

Max Planck Science Gallery. Science Tunnel. 2012.

Max Planck Gallery Science Express. 2009.