

# martin krzywinski

SCIENCE + ART

As scientists, it is our responsibility not only to present our work clearly, but to connect broadly by sparking imagination and enthusiasm for inquiry and understanding. To do this, science communication must engage both cognitively and emotionally.

I try to make people think and feel good by creating visualization tools and information graphics that combine analytical clarity with an artistic dimension. Real science should look just like in movies.

My introduction to genomics was as a system administrator at Canada's Michael Smith Genome Sciences Center<sup>1</sup>, where in 1999 I built its first computing infrastructure<sup>2</sup>, and contributed to IT security<sup>3</sup>, optimized keyboard layouts<sup>4</sup> and created database visualizations<sup>5</sup>.

During my work on cancer genomes, I created Circos<sup>6</sup>, now a community standard for displaying information in this field. More recently, I introduced a method for rationally visualizing networks using hive plots<sup>7</sup>.

My information graphics have appeared in the New York Times<sup>8</sup>, Wired<sup>9</sup>, Conde Nast Portfolio<sup>10</sup>, and on covers of books<sup>11</sup> and scientific journals, like PNAS<sup>12</sup>, EMBO Journal<sup>13</sup> and American Scientist<sup>14</sup>.

I have a weakness for espresso, fashion and abstract photography<sup>15</sup>, and the intersection of spam and poetry<sup>16</sup>. I am a former owner of the world's most popular rat<sup>17</sup>.



@MKrzywinski  
martink@bcgsc.ca  
mkweb.bcgsc.ca

bit.ly/ 1 J3DdHd 2 N6TzSV 3 S1eF5k 4 J3Dx8U 5 0neEZg 6 14ZiJg 7 NgyCUD  
8 Qk16b9 9 PrtKRu 10 PrvHZS 11 N9krBD 12 PrvJMS 13 Nv4R9f 14 R7ggCN  
15 Ro3XWv 16 tclSRy 17 0B0U0A