

# Mark Belan

• CURRICULUM VITAE •

markabelan@gmail.com | www.artscistudios.com | 905 • 979 • 0807

---

## Education

<b>Master of Science in Biomedical Communications</b> .....	Conferred
Master's Research Project: Implementation of a 2-D Patient Education Animation to Inspire Medication Adherence in Renal Transplant Candidates	November 2017
<b>Master of Science in Geochemistry &amp; Astrobiology</b> .....	Conferred
Master's Dissertation: Spatial Distribution and Preservation of Carbon Isotope Biosignatures in Freshwater Microbialites	November 2015
<b>Bachelor of Arts &amp; Science with Combined Honours in Biology</b> .....	Conferred
Undergraduate Thesis: Exploring the Intersections Between Art and Biology	June 2013

## Research

<b>St. Joseph's Hamilton Healthcare Renal Transplant Program</b> .....	Sept. 2016 - Sept. 2017
• lead needs assessment study on pre-transplant patient populations to understand education level and gaps in transplantation knowledge	
• evaluated efficacy of educational animation to pre-transplant patients	
<b>McMaster University Lewis and Ruth Sherman Centre</b> .....	Sept. 2014 - August 2015
• used innovative imaging techniques to plot and illustrate spatial arrangement of scientific data on 3D models of microbialite structures	
<b>NASA AMES Pavilion Lake Research Project</b> .....	Sept. 2013 - August 2015
• investigated carbon isotope biosignatures in freshwater microbialites using isotope-ratio mass spectrometry	

## Work Experience

<b>Patient Education Program Designer   St. Joseph's Hamilton Healthcare Renal Transplant Program</b> .....	Sept. 2015 - present
• created educational animations and poster materials for patient education	
<b>Multimedia Assistant   McMaster University</b> .....	May 2016 - August 2016
• created original visual assets and anatomical illustrations for the Education Program in Anatomy's online medical atlas, "Macanatomy"	
<b>Contributing Illustrator   Environmental Science &amp; Technology</b> .....	June 2016
• contributed graphic for scientific publication: Stimulation of Microbially Mediated Arsenic Release in Bangladesh Aquifers by Young Carbon Indicated by Radiocarbon Analysis of Sedimentary Bacterial Lipids	
<b>Contributing Illustrator   The Globe &amp; Mail</b> .....	Sept. 2015 - April 2016
• contributing illustrator for Facts & Arguments section of Canada's largest daily newspaper	
<b>Contributing Illustrator   Television Francaise de l'Ontario</b> .....	Jan. 2016
• created sixteen (16) illustrations for two (2) children's e-books	
<b>Contributing Illustrator   To whom it may concern.</b> .....	April 2015
• contributed illustration for Stockholm-based music label's release of "iamamiwhoami; CONCERT IN BLUE"	

## Talks & Achievements

Belan, M.A. (2017, December). **Scientific Storytelling through Sequential Art (NASA, Science, and Comics, oh my!).** Presented at New York Scientific Visualization (SciVizNYC) 2017, New York, NY.

Belan, M.A. (2015, June). **Preservation and Spatial Distribution of Carbon Isotope Biosignatures in Microbialite Carbonate from Pavilion Lake, British Columbia.** Presented at Astrobiology Science Conference (AbSciCon) 2015, Chicago, IL.

Lim DSS, Hawes I, Mackey T, Brady A, Biddle J, Andersen D, **Belan M**, Slater G, Abercromby A, Squyres S, Delaney M, Haberle C, Cardman Z. "The microbial mats of Pavilion Lake microbialites: examining the relationship between photosynthesis and carbonate precipitation" AGU Annual Meeting 2014 (poster).

**T3 - Transformative Thinking in Transplantation Competition** ..... Honoured  
**Top 3 National Finalist 2017** ..... Sept. 2017  
Awarded \$25 000 in funding support

**Award of Merit - "Periodontitis"** ..... Honoured  
**Association of Medical Illustrators 2017** ..... July 2017

**Lewis and Ruth Sherman Digital Scholarship** ..... Honoured  
**Graduate Fellowship** ..... Sept. 2014

## Skills

**2D** • Adobe Creative Suite • Corel Painter • PaintTool SAI

**3D** • Autodesk 3ds MAX • MAXON Cinema4D • Paraview

## Portfolio

### Commercial

[www.markbelan.com](http://www.markbelan.com)

### Scientific/Medical

[www.artscistudios.com](http://www.artscistudios.com)

## Interests

Travel

Scandinavian Design

Baking with Cinnamon

Ska and Electronic Music

Outer Space and Astrobiology

References available upon request.