

Visualizing Your Research

MSU Creative Services

University Communications

MSU Creative Services is an in-house creative agency within University Communications.



75+ Years of Design Combined Experience

Graphic Design · Illustration · Web and Social Media Graphics · Displays and Banners

Award-winning work

We are fully integrated with the MSU News Service and MSU's marketing, visual media, and web communications departments.

\$75 Design charge per Hour

MSU Creative Services Designers



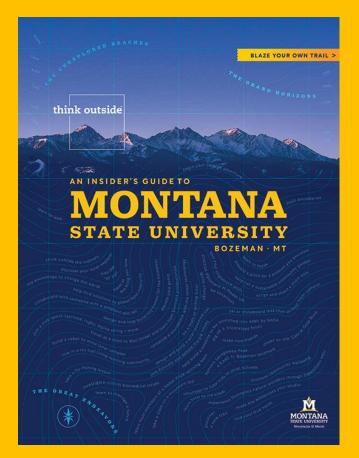


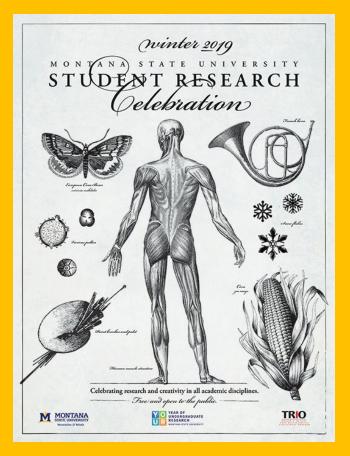


Kristen Drumheller

Alison Gauthier

Britney Patek







How to communicate with a graphic designer



Tip No. 1

About Designers

- Graphic designers are not typically scientists.
- But they are experts at communicating complicated ideas and concepts to a wide variety of audiences.
- Designers love to solve visual problems.

{ A NOTABLE EXCEPTION }

No. 2 Know what you want

- Questions to answer first:

 Is the graphic or illustration meant
 to tell a story? Example: sequential
 series of illustrations, or
 stand-alone.
- How will it be used?
 - printed in journal or book
 - Online or digital only
 - Poster or large format

Tip No. 3

Provide clarity

- Be very clear on your needs.
- It is important to determine the focus of the illustration before getting started.
- BONUS TIP: MSU News Service has writers who can help you translate content for designers.

Tip NO.4Give it the once over-maybe twice

- Before you meet with the designer, make sure your concept is fully vetted, and the desired end-result is clear to you.
- Understand that significant changes result in significant delays and increased costs.

Different types of illustrations



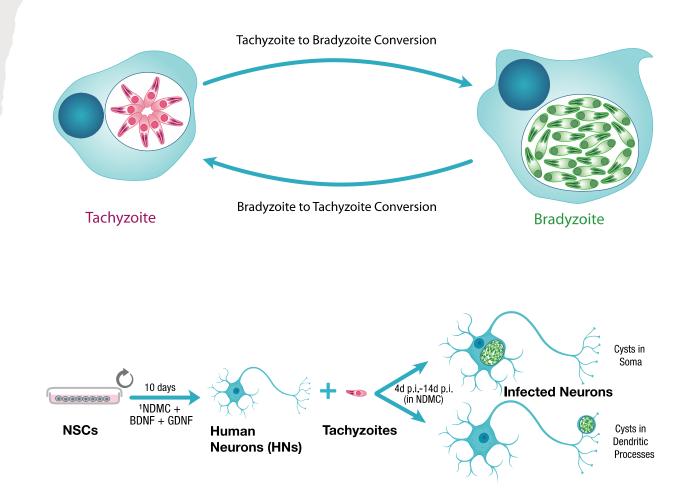
Types of Illustration: Hand-drawn

- Hand-drawn graphics are appropriate for certain uses, including books and other publications.
- Hand-drawn graphics take more time to produce.



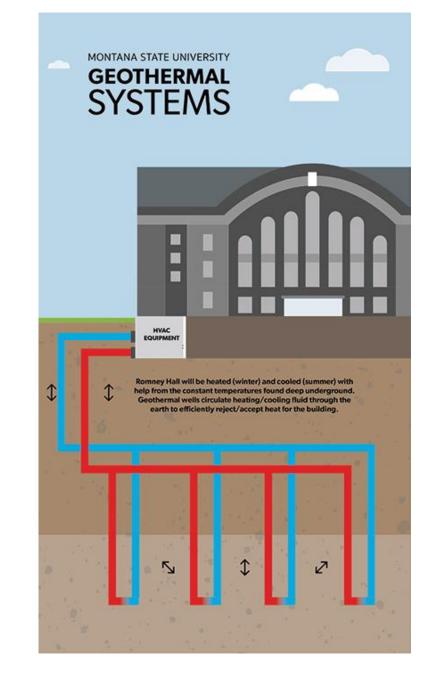
Types of Illustration: Digital graphics

 Digital graphics can be created more quickly, due to the ability to duplicate and alter existing pieces of the illustration. They also allow for smooth color gradients.



Types of Illustration: Digital diagrams

• Digital graphics can make the functions of complicated systems immediately understandable. In this case, a flat illustration style is used to simplify a system into a diagram.

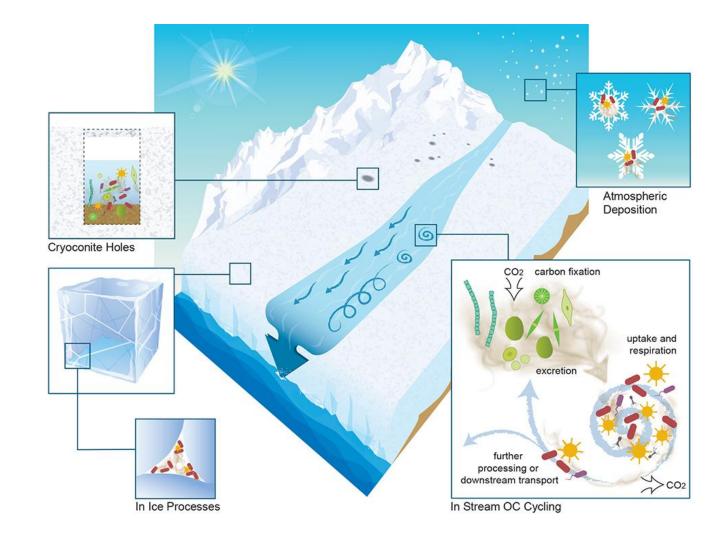


Tip No. 5 Get Ready

- Provide examples of what you want the designer to illustrate and the style you are seeking: realistic, figurative or conceptual.
- Let the designer know of any elements that they should avoid.
- Provide source materials such as photos, diagrams, charts or figures.

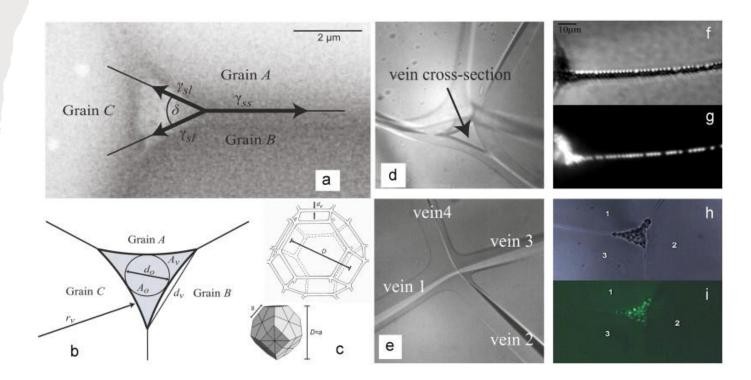
Glacier Carbon Cycle

 An illustration of carbon cycling within glacial ice was created for a scientific journal and was later modified to be used as a poster for a lecture.



Glacier Carbon Cycle Source Images

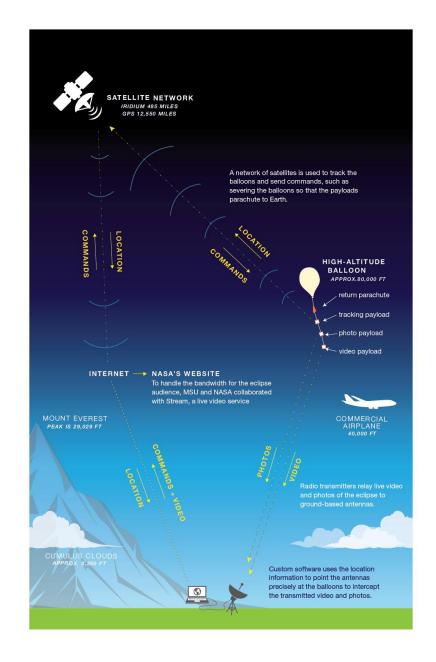
 Photos, figures and captions provided the source for the final illustration.





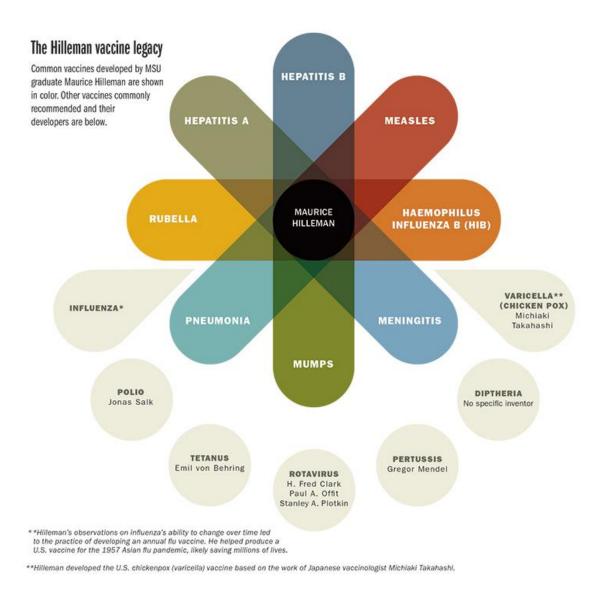
Eclipse Ballooning Project

 Digital graphics can clearly depict the progression of stages of a research project.



Graphic diagrams

 Diagram showing the vaccine legacy of Maurice Hilleman, for *Mountains & Minds* magazine.



Tip No. 6

Set Expectations

- Lead time is important especially for complicated illustrations that can take weeks or months, going back and forth with the designer.
- Several rounds of minor changes are to be expected. Try to keep major revisions to a minimum, so you don't go over budget or miss a publication deadline.

No. 7 Be involved and be direct

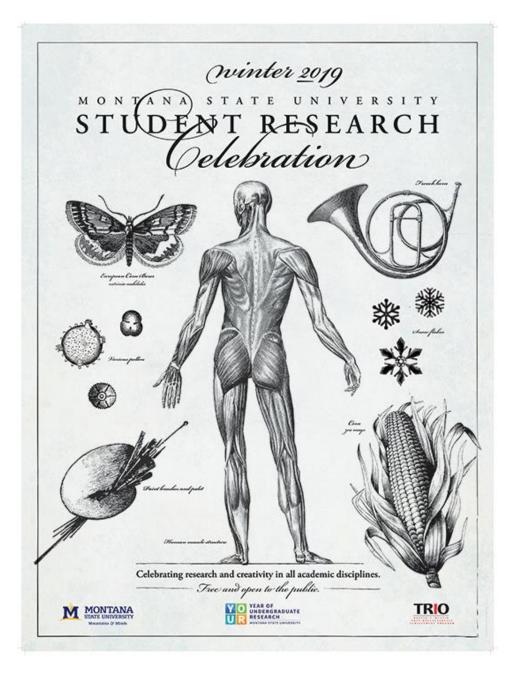
- A successful project requires the active involvement of the researcher as well as the designer/illustrator.
- Be available for questions or to review draft versions. Be honest early on if you think the direction is off. Early course correction saves time and money.

More ways illustrations can be used for Impact



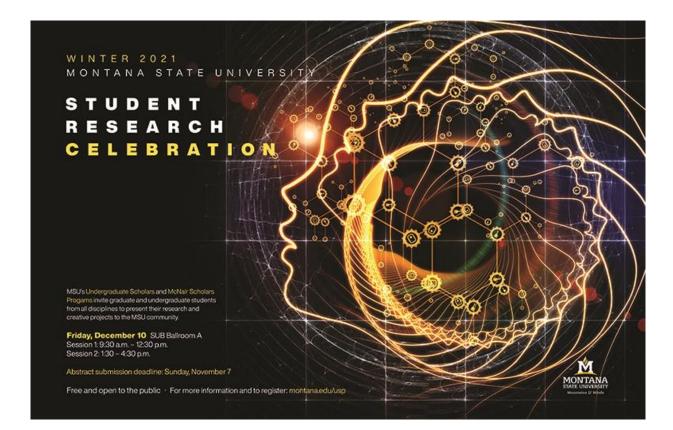
Event posters

 Illustrations can be used to promote events. Well-executed graphics can bring attention to the academic excellence of a research unit.



Illustrating abstract concepts

 Intriguing abstract designs can capture the essence of exploration and discovery integral to a research unit.



Illustrating abstract concepts

 For promotional pieces such as event posters, a good designer will create a design that will appeal to the audience. A studenttargeted design can be more playful.

WINTER 2020 MONTANA STATE UNIV STUDENT RESEARCH (Virtual Symposium Thursday, December 3 Poster and Creative Works Session 10 a.m.-3 p.m. Sunday, November 8 at 11:59 p.m. Free and open to the public () For more information and to register: montana.edu/usp MONTANA STATE UNIVERSIT 000 fountains & Mind 0

Lecture posters

 Abstract conceptual images can communicate a highly complicated topic in a simple impactful way to promote an event or program.

CAFÉ SCIENTIFIQUE eat. drink. talk science.

OCTOBER 14, 2020 6 PM • Online / Virtual Free and open to the public Details and login into at www.inbre.montana.edu

A PACEMAKER FOR THE BRAIN:

How transformative technologies using surgically implanted devices are creating new hope for sufferers of severe depression.



Dr. Helen Mayberg Founding director of the Center for Advanced Circuit Therapeutics at the Mount Sinel School of Medicine

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Cohosts: Montana INBRE, the Center for Mental Health Research and Recovery and the Office of Research. Economic Development and Graduate Education

Details at www.inbre.montana.edu

Illustrating an announcement

 Bold graphics and colors can help an announcement of a new academic program stand out in a crowded hall. NEW 1-YEAR M.S. DEGREE offered through the Jake Jabs College of Business & Entrepreneurship

Master of Science in Innovation & Management

- ENTREPRENEURSHIP - LEADERSHIP - COLLABORATION - EXPERIENTIAL EDUCATION

(S) (I)

Want to start your own business? Do you want to be a more effective leader or innovator?

Our MSIM program may be the perfect option for you to increase your skills and expand your career opportunities in just one year.



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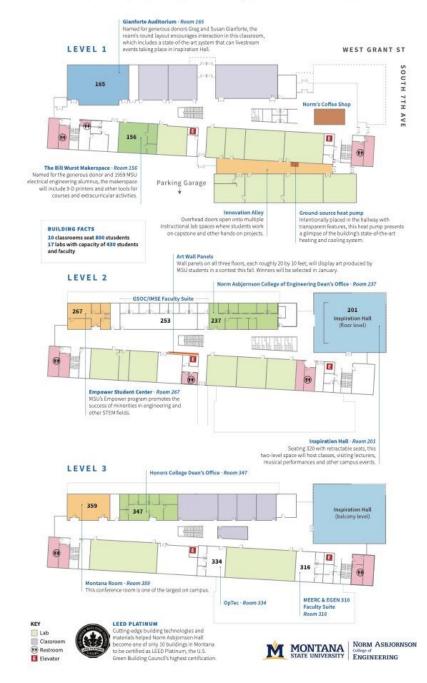
Learn more: montana.edu/business/ms-innovation-management

NORM ASBJORNSON HALL | SELF-GUIDED TOUR

Illustrating facilities

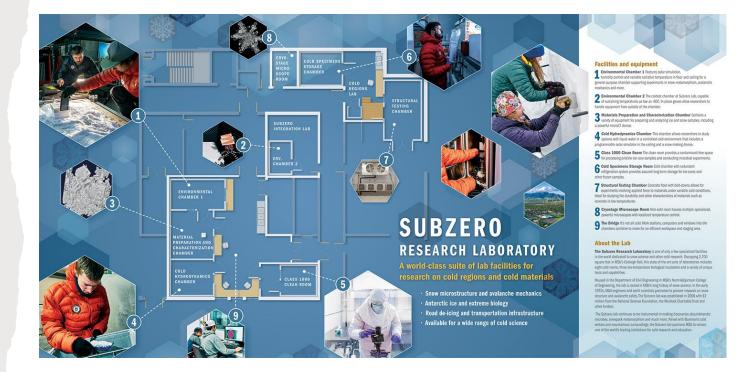
Simplified floorplans

 of research and
 academic buildings
 can explain to the
 public how the
 structures enhance
 academic success.



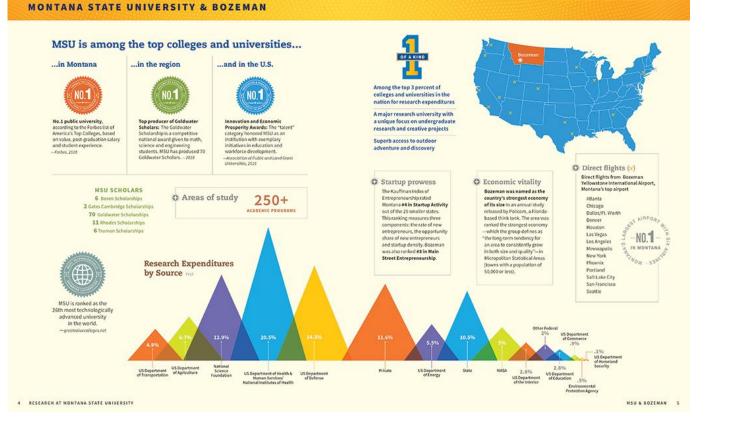
Illustrating facilities

 Combining illustrations and photography can bring a research space to life.



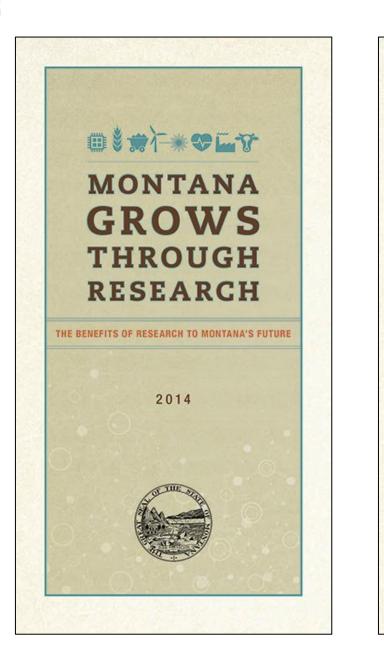
Illustrating numbers

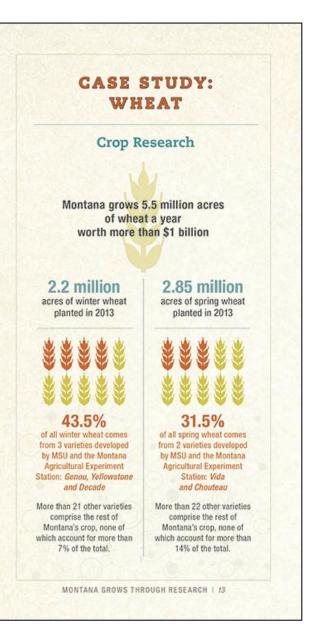
 An example of how a well-designed illustrated chart can showcase basic information in an appealing and informative manner.



Illustrating facts

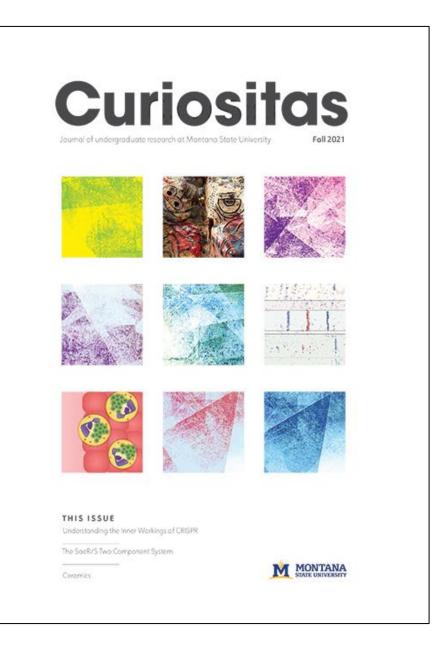
 A well-designed chart can present facts and figures in an engaging way and make information accessible.





Publication Design + Illustration

 Graphic design can turn a journal into a professional-looking publication, while providing a structure that can be edited and reused.



We're here to help.

How to get started:

Call Ron at ext. 5128 or email: rlambert@montana.edu



Thank You. We look forward to working with you. **University Communications Creative Services** Contact Ron Lambert ext. 5128 rlambert@montana.edu