

Elevate Your Research with
Professional Illustrators:

Visualize Your Science

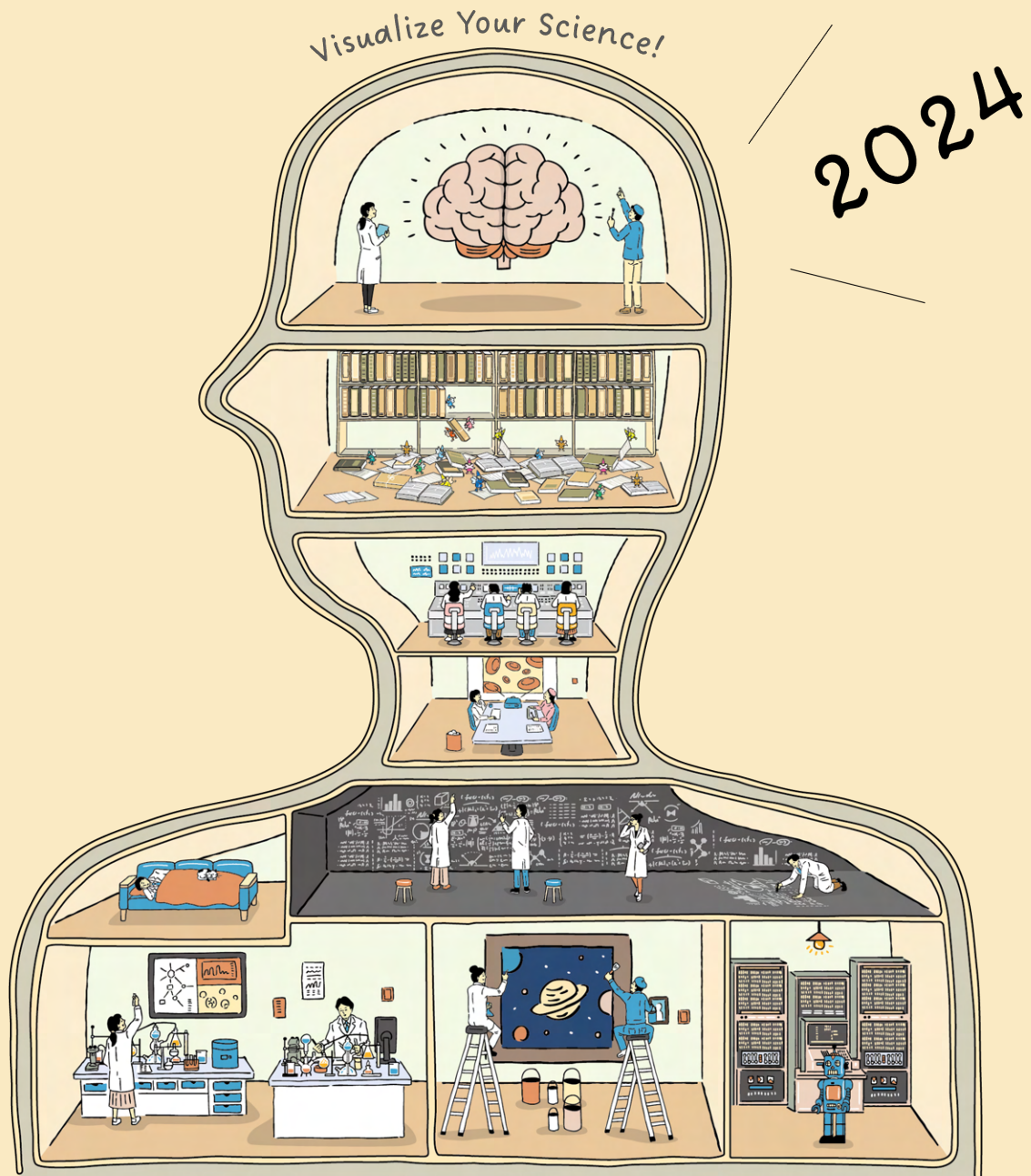


Illustration: TRAIS. Co., Ltd

Institute for the Advanced Study of Human Biology (WPI-ASHBi), Kyoto University



#1 Illustration: Robin Hoshino

Preface

This booklet provides a brief introduction to the process of academic researchers commissioning science illustrations from science illustrators.

Science illustrations refer to images used in research promotion and grant applications, helping explain complex scientific concepts and knowledge visually, such as via conceptual figures. To effectively communicate complex academic research to non-experts and general readers, scientifically illustrated images that promote visual understanding are highly effective forms of expression.

Science illustrators are professional illustrators who create science illustrations not only as explanatory figures based on their specialized knowledge in science and skills in art but also as visually appealing images incorporating design and aesthetic elements.

In the first half of this booklet, we introduce the process and points to consider when commissioning an illustration, aiming to help researchers, as well as public relations and research support staff, smoothly navigate the creation process. We also touch upon copyrights, which have gained more attention in recent years.

In the latter half of the booklet, we list science illustrators who have created illustrations for projects associated with the Kyoto University Institute for the Advanced Study of Human Biology (WPI-ASHBi) or Kyoto University, as well as those recommended or introduced by other illustrators and institutions. As each illustrator has their own unique expertise and artistic flair, let this booklet be your compass in finding the right illustrator and perfect match for your project's vision and needs.

We hope that this booklet will be a helpful guide for you when creating science illustrations to extend the reach of your research to an even greater audience.

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Various Forms of Science Illustrations

Science illustrations come in various forms depending on their **purpose of use** and **target audience**

Science Illustrations in Press Releases

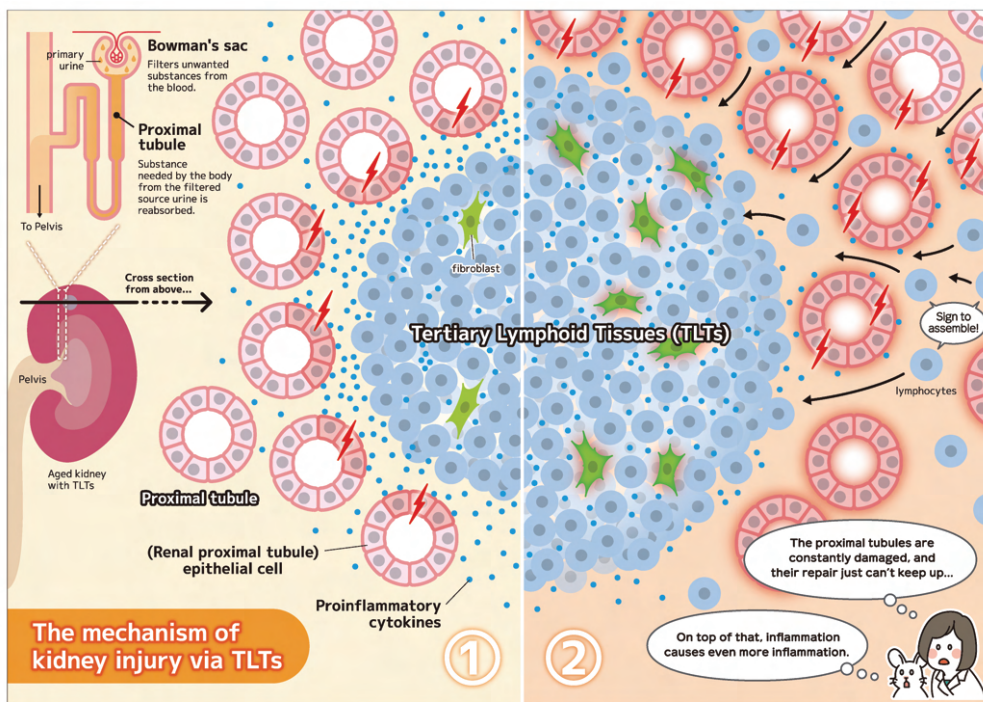
When publicizing research findings to the general public through media such as newspapers or online news services such as EurekAlert!, it is common to create a press release for distribution. There are generally two types of scientific illustrations used in such releases.

The first is intended to communicate research in an understandable manner to journalists or the general public, without assuming any prior knowledge of the topic. These illustrations include

conceptual figures that explain research concepts and overview figures that depict the entirety of the research paper.

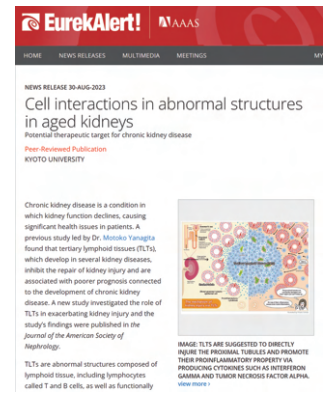
The second type, thumbnails, are small illustrations not intended for specific explanations but rather serving to captivate the research content visually. A striking thumbnail aims to attract the interest of journalists and readers from amongst a deluge of press releases.

Thumbnails are also referred to as eye-catchers for this reason.



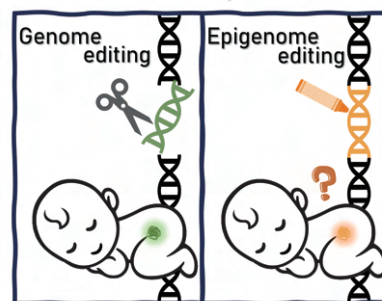
Illustrated by Hiroko Uchida

#2 Illustration: Hiroko Uchida

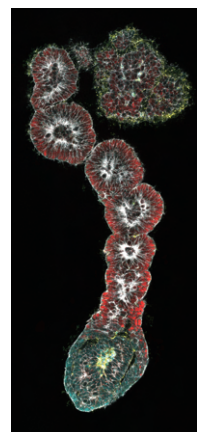


> Thumbnails

Inheritable, or not?



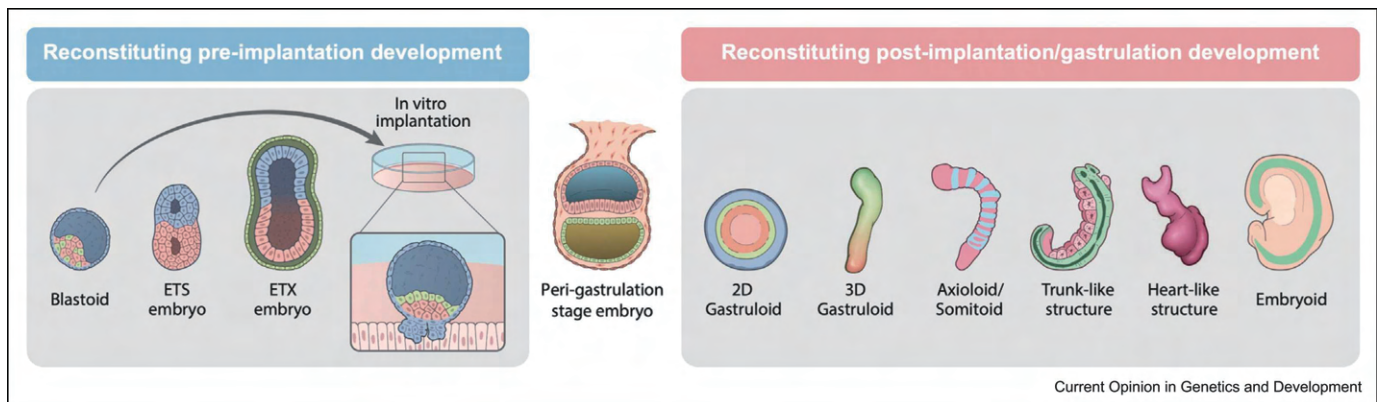
#3 Credit: WPI-ASHBI



#4 Courtesy of : C. Alev

Various Forms of Science Illustrations

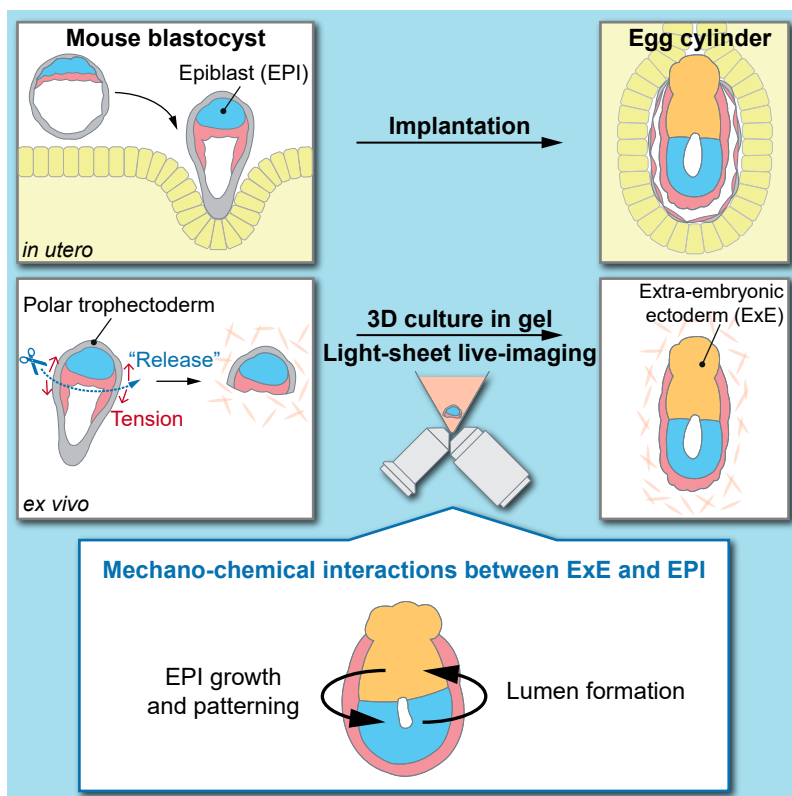
Science Illustrations in Review Articles and Grant Applications



#5 Credit: Current Opinion in Genetics & Development; Illustration: LAIMAN Co., Ltd.

In review articles, there may be readers with limited expertise, such as young researchers or students. Similarly, in grant applications, reviewers may not necessarily specialize in

the same research field as the authors. However, even in such cases, including conceptual or schematic figures alongside the text can enhance readers' understanding through illustrations.



#6 Credit: T. Ichikawa

Graphical Abstracts in Manuscripts

In recent years, it has become common for authors to be asked to submit graphical abstracts alongside their manuscripts upon acceptance of their paper. While traditional abstracts consisting of text alone may struggle to convey complex content effectively to a wider audience using visual explanations, can facilitate the communication of the paper's overall picture and key points. Although graphical abstracts are not part of the main body of the paper, they are shown in the online search results of publishers. Therefore, their importance in attracting readers' attention is growing.

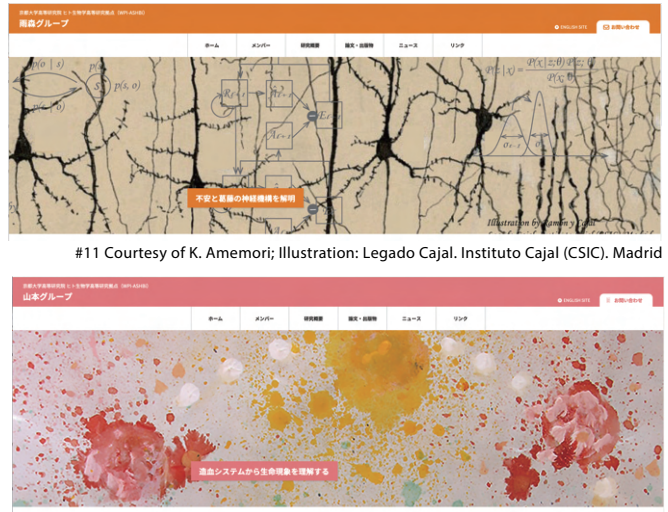
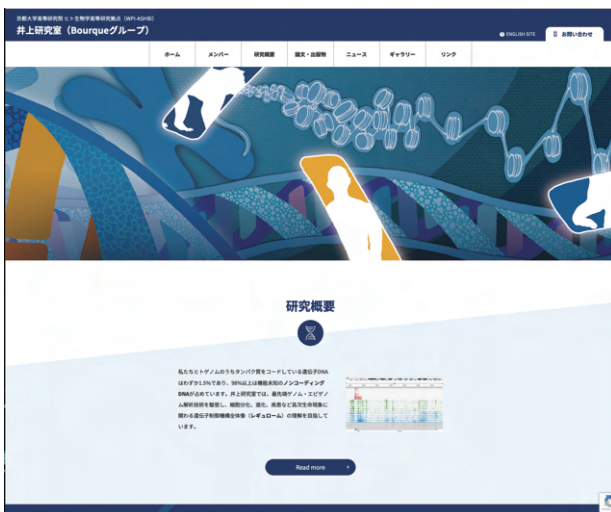
Other Science Illustrations

In addition to these examples, science illustrations are also used in academic conference posters, as graphics on laboratory websites, journal covers, and more. In each of these cases, they play a crucial role in stimulating readers' interest and guiding them towards the content.

Event Posters



Lab Websites



Work Flow of Science Illustration Production

Do you want to create a science illustration?
Start with some few steps to smoothen your work.

Start

2 Weeks ~

2 Weeks ~ 2 Months

Complete

1 Three Key Points to Clarify

- 1 'Where' and 'how' will the illustration be used?
- 2 To 'Whom' the communication will be directed?
- 3 'What' message do you want to convey?

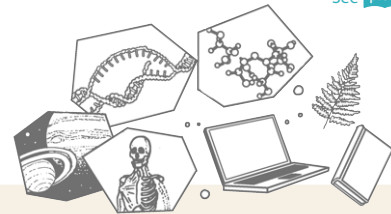
See p.07 for details



Organizing this part is very important!

2 Contact the Illustrator and Prepare Materials

- ◆ Pick a science illustrator who matches your research field and style! See p.11 for details
- ◆ Great materials are key to helping scientific illustrators grasp your research! See p.07 for details



3 Meet the Illustrator

- ◆ Make your research clear and easy to understand, and don't forget to confirm about secondary use and deadlines!

See p.08 for details



Researchers are the ones who set the direction for the scientific illustrations

Who owns the copyright to the science illustrations?
See p.09 for details

4 Place an Order

- ◆ Prepare a commission request sheet (spec-sheet) and place an order in writing

See p.10 for details



Before using public funds, be sure to check with the administration

5 Draft Revision

- ◆ Request thorough revisions on the draft, but keep the final production to just a few minor adjustments

See p.08 for details

Make sure to check that your request discussed in the meeting is reflected in the work.



Science Illustration Completed

Proceed to...
Delivery & Payment

1 Three Key Points to Clarify

As there are various types of science illustrations, it is important to clearly communicate the specific kind of science illustration you expect when engaging an illustrator. Key Information to convey includes:

point 1	point 2	point 3
Type & Use Determine 'where' and 'how' the illustration will be used <small>e.g. Graphical abstract for a manuscript, conceptual figure for a press release, etc.</small>	Target Audience Define 'who' the communication is directed towards <small>e.g. University researchers, high school students who are not familiar with the research field, etc.</small>	Purpose & Message Identify 'what message' or 'content' you want to convey <small>e.g. Research result, research overview, etc.</small>

For example, in the case of a graphical abstract submitted to a publisher upon paper acceptance, the audience consists of other researchers and the purpose is for them to understand the overview and key points of the paper based on their knowledge. On the other hand, if it is a research conceptual figure for a press release upon paper publication targeting the media, then the audience is the general public and the aim would be to help them grasp the summary and academic/social significance of the paper within a non-specialist scope.

In addition to the above, it is important to clarify the following:

Delivery Date

Although this will depend on the type of illustration and the illustrator's availability, inquiries should typically begin around 2–3 months before the delivery date. Since illustrations often undergo several rounds of revisions, it is essential to set a delivery deadline that allows for sufficient modifications.

Size and Color Mode

Enlarging small images can result in loss of quality. To avoid this, specify the size (eg, A0-sized poster) and resolution (e.g. 1,200 pixel x 1,200 pixel thumbnail) of the desired illustration. Additionally, keep in mind that the color representation may differ between computer monitors and printed materials. Colors that appear vibrant on a monitor may appear dull when printed. Specify what output media are required. (e.g. RGB or CMYK)

2 Contact the Illustrator and Prepare Materials

After clarifying the above points, it is time to reach out to the illustrator. Communicate the desired type and use of illustration and confirm whether they can create it by the requested delivery date.

Once the illustrator agrees to take on the project, provide them with the necessary information for creating the illustration. If creating a research conceptual figure, prepare materials such as the research manuscript and presentation slides that will help the illustrator understand the research content. If the researcher already has a clear image of the illustration, provide rough sketches. For illustrations intended for press releases, providing the press release manuscript can be helpful. If the materials contain unpublished research, it is important to confirm confidentiality agreements beforehand.

Example Materials Research materials (manuscript, presentation slides, etc), rough sketches, press release drafts.

3 Meeting with the Illustrator

While illustrators are professionals in visual representation, it is ultimately the researcher who determines the overall direction of the illustration project. Typically, there are meetings between the illustrator and the researcher to ensure that the former understands the latter's intentions. The illustrator's understanding during this meeting significantly impacts the final illustration, so it is important for the researcher to communicate their intentions clearly and precisely. Keep in mind that an illustrator, in most cases, is not a researcher. For instance, when creating a research conceptual figure, the researcher should specify which parts of the research they want to highlight and provide specific requests regarding the design composition and color scheme. (Note: some illustrators may hold meetings after the commission is placed.)

Additionally, align both parties' understanding regarding the delivery date, number of revisions allowed, and the terms for secondary use of the illustration (see p9). Also, it is important to confirm the details of the commission request (specification sheet) before placing the order (see p8).

4 Placing an Order

Once all preparations are complete, move on to placing the order. To prevent any contractual miscommunication such as “the researcher thought the order was made, but illustrator didn't notice” or vice versa, it is important for both parties to place the order in writing, such as via email.

Before placing the order, make sure to inquire with the administrative staff at your institution whether you can use public funds, such as research grants, to cover the production costs of scientific illustrations. It is also recommended to confirm the necessary documents the illustrator should submit or procedures to be taken. This will ensure smooth administrative processing and prevent any delays in delivery or payment.

point

A

Ensure that all matters related to placing an order are conducted in writing

point

B

Before placing an order, verify the administrative regulations of your institution

5 Draft Revision

After receiving the commission, the illustrator begins creating a draft proposal. Upon receiving the draft, the researcher first checks whether the overall direction aligns with their intentions and whether the key points they wish to convey are incorporated into the illustration. If there are discrepancies in the composition or content that differ from what was discussed during the meeting, requests for revisions can be made to the illustrator. The number of allowable revisions varies depending on the illustrator and the agreed-upon terms, so it is important to confirm this during the initial meeting.

Once the draft is reviewed, the actual illustration production begins. It is important to keep in mind that a significant change or request for revision that fully changes the composition of the illustration after starting the actual production may require starting the project over, which involves changes in costs. To avoid potential complications, it is crucial to ensure that major revisions are minimized when it comes to production of the actual illustration.

Copyrights

Copyright of the Illustrators



Copyright is Held by the Creator, so be Cautious of Secondary Use

The copyright of an illustration is automatically granted to the illustrator upon its creation, regardless of whether payment has been made. Therefore, when users intend to use an illustration, it is necessary to specify the scope of its use and include this in a contract with the illustrator at the time of commissioning. Except for certain cases, it is not permitted to use, copy, reproduce, sell, or transfer the illustration for purposes other than its primary use without the permission of the copyright holder (the illustrator). To avoid copyright-related difficulties that may lead to lawsuits, it is recommended to have thorough discussions with the illustrator and to document agreements regarding copyright ownership, the usage range, and credit attribution.

Reference: Agency for Cultural Affairs, Government of Japan
<https://www.bunka.go.jp/english/policy/copyright/index.html>

Derivative Work

New creations that have been altered from the original are referred to as derivative works, with rights exclusively held by the illustrator (the original creator). Therefore, it is necessary to obtain the illustrator's consent when creating derivative works, such as translations, modifications, or reformulations. When there is a need for illustrations in multiple languages or when planning to use or modify parts of an illustration, it is important to discuss these with the illustrator in advance and include such terms in the agreement.

Journal Regulations



Confirm Copyright and Usage Rights of Manuscript Figures

When a paper is published in a journal, the usage rights of all images within the paper are subjected to the journal's regulations. Therefore, extra caution is necessary for secondary uses, such as image illustrations and graphical abstracts. Even if the illustration was initially created for a press release, its use may be restricted once published in a journal. It is recommended to review the paper acceptance email and the journal's website to understand the terms regarding usage rights and copyrights.

In recent years, many journals have adopted Creative Commons licenses for their publications. Some journals may have provisions that transfer the copyright of illustrations to the journal, so it is important to share this information with the illustrator and ensure appropriate agreements between the parties when contracts are made.

Side Note What is a Creative Commons License?

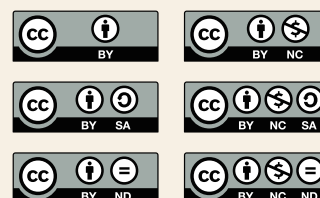
A Tool for Indicating the Scope of Copyright, Increasingly Adopted by Journals

The Creative Commons License (CC license) is a tool for creators, such as science illustrators, to indicate the scope of copyright for their published work.

In recent years, CC licenses have become more commonly adopted by journal publishers, leading to an increase in cases where the transfer of copyright for scientific illustrations is required.

When providing scientific illustrations to journals, it is important to confirm the terms of copyright with the science illustrator. For more information, please visit the official CC website: <https://creativecommons.org/share-your-work/ccllicenses/>

Six License Types



Example: Commission Request (Specification) Sheet

2023/XX/XX
ASHBi Research Acceleration unit

『イラスト制作依頼に係る仕様書』

業務名
京都大学高等研究院 ヒト生物学高等研究拠点
研究成果発信のための概要図の制作

納品について
納期：2023年xx月xx日
納品形式：デジタル

イラストの様式
数量：1点
カラー形式：ウェブ対応カラー (CMYK)
サイズ：概要図 A5サイズ

提供資料一覧
参考図(PDF)
猿のイラスト
プレスリリース原稿(取扱注意)

使用の範囲
プレスリリース・ウェブサイト・学会等での発表
ASHBi Research Acceleration Unit 事例紹介

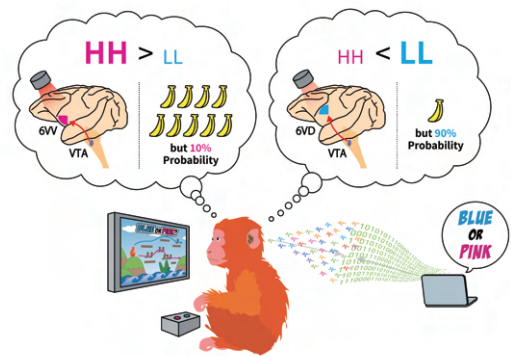
Delivery Date

Illustration Size

When sending information about unpublished papers, mention handling precautions.

Specify the scope of use, including secondary use

Science Illustration created based on the specification sheet



#14 Illustration: TRAIS. Co., Ltd.

Column For effective information organization and visualization

"For the purpose of organizing information and visualizing it for science illustration creation, the Institute for the Advanced Study of Human Biology (WPI-ASHBi) at Kyoto University has previously held a seminar for young researchers titled 'Visualizing Your Research – Organizing Your Thoughts to Create Effective Conceptual Figures for Research Proposals and Papers.' The seminar materials are available for download (in Japanese only).



Scan for Seminar Materials

June
2024

Science Illustrator



Art Action Co., Inc.	12	Digital Media Solutions	25
Yoh Izumori	13	TR AIS. Co., Ltd.	26
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Takashi Tsujino (SCIENCE GRAPHICS Co., Ltd.)	24		

※Listed in Japanese alphabetical order

To Science Illustrators:

Please contact the ASHBi Research Acceleration Unit if you wish to be included in this booklet. (Inclusion of your name is not guaranteed.)

ASHBi-info@mail2.adm.kyoto-u.ac.jp

※ The illustrators featured here primarily have previously created artwork for WPI-ASHBi or Kyoto University, or were recommended by illustrators with such prior experience.

※ In recommending these illustrators, WPI-ASHBi and Kyoto University bear no responsibility for contractual or other disputes that may arise. All transactions and agreements exist solely between the parties directly involved in the creation of commissioned artwork.

※ Delivery dates, costs, and other details will vary depending on the illustrators' needs and schedules. Please consult with individual illustrators for details.



We are a production company that visualizes science.

- Scientific illustrations

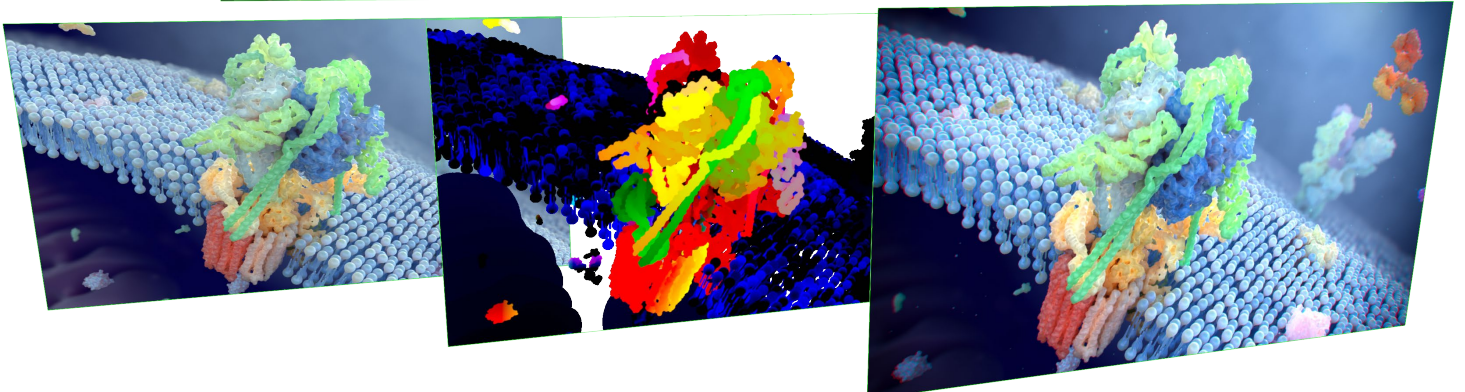
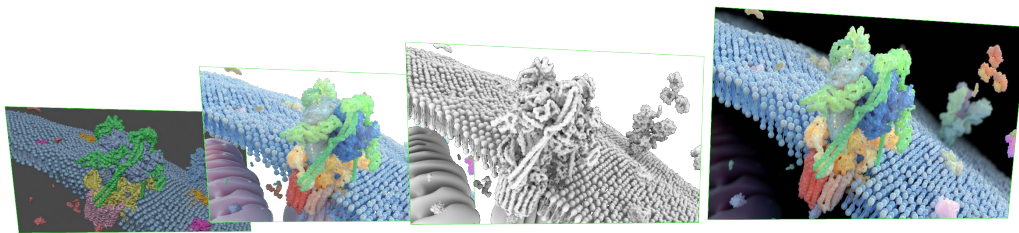
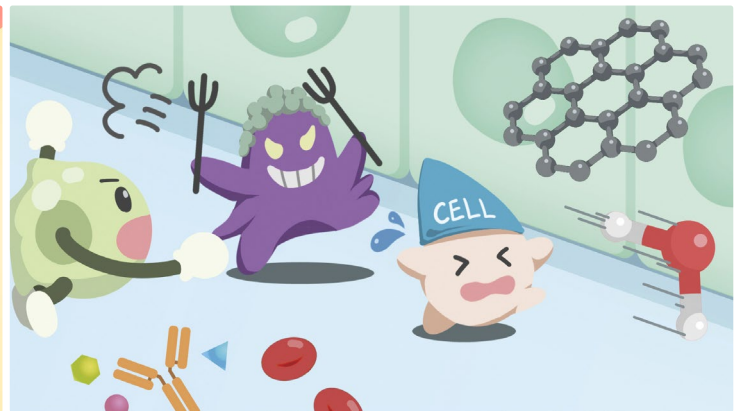
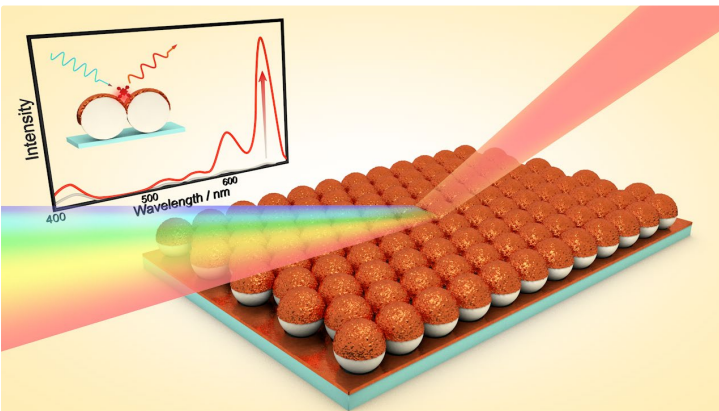
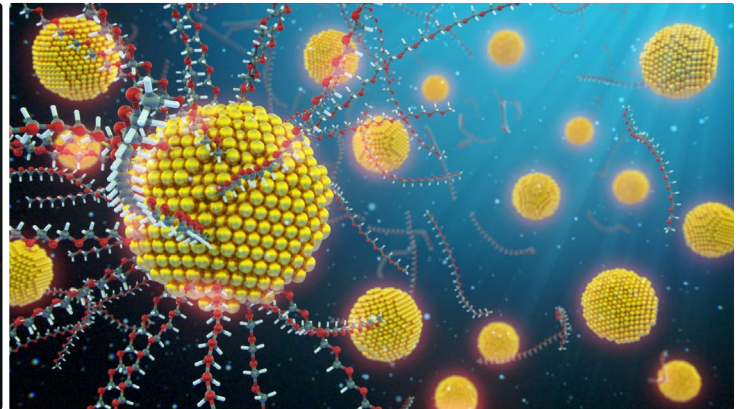
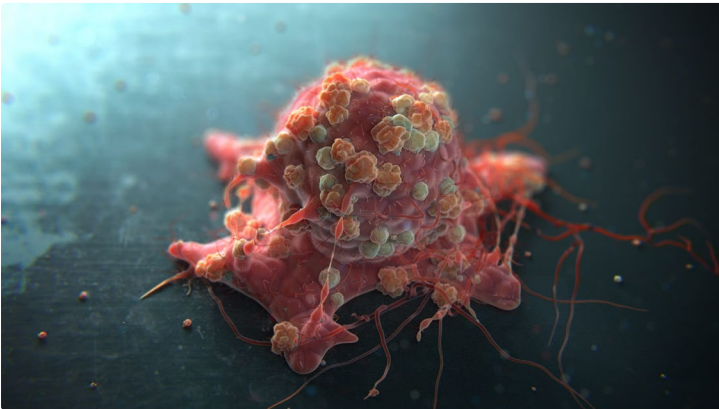
(Cover Art, Graphical Abstract, Figure, etc.)

- Videos production

(Research outline explanatory videos, PR videos)

Please refer to our website for our cover art production results.

Delivery Time	3 weeks~ (negotiable)
Reference Price	Approx. 90,000 yen~(negotiable)
Website	https://www.artaction.co.jp
SNS	https://twitter.com/artaction_sci
Email	info@artaction.co.jp
Language	Japanese, English (Email only)





Yoh Izumori

I am a freelance illustrator who studied biology at Shinshu University. I mainly draw fun and cute illustrations about biology, natural history, and general science. My works are characterized by "accurate deformation" about all living creatures.

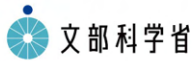
Delivery Time Negotiable
Reference Price Negotiable
 (typical price:50,000~100,000 yen)
Website <https://yohizumori.jimdofree.com/>
 (Japanese)
SNS X(Twitter) : @yizumori
Email yizumori@gmail.com
Language Japanese, English (Email only)



National
BioResource
Project

ナショナル
バイオリソースプロジェクト

イラストいずもりよ

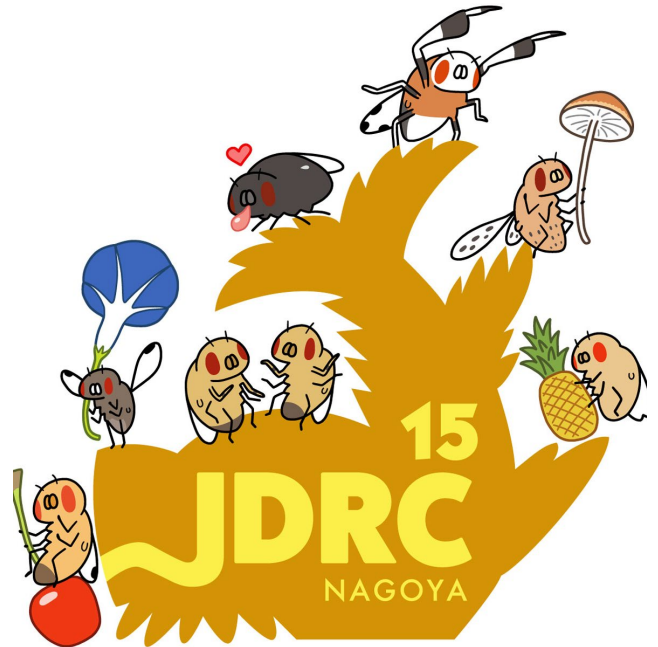


お問い合わせ: NBRP 広報室
nbrp-pr@nig.ac.jp

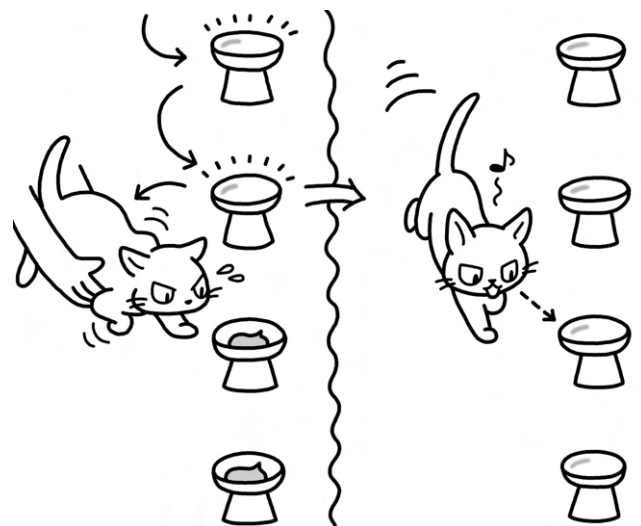
本プロジェクトや各リソースの
情報はウェブサイトをご覧ください。
<http://nbrp.jp/>



The poster of National Bioresource Project



Logo of The 15th Japan Drosophila Research Conference



Japanese book illustration

(Illustration: Yoh Izumori)



Midori Iwama
(Iwama Art Work)



Biology

Life Science

Ecology

Iwama is an illustrator with a master's degree in life sciences from Hokkaido University, where she specialized in animal behavior and behavioral ecology. She is one of the authors of "口を開けたらすごいんです！ いきもの口図鑑" : An Illustrated Book of Animal Mouths.

Her work ranges from the realistically drawn to the whimsical and humorous, and is rendered digitally and in watercolor.

In addition to illustration projects, she also provides the institute with website production, flyers, posters, and business cards.

Delivery Date 2 weeks - *
Reference Price 10,000yen - *
Website <https://iwama-artwork.com/>
SNS <https://www.facebook.com/iwama22>
Email info@iwama-artwork.com
Language Japanese, English (only E-mail)

*Delivery date and Price vary widely depending on the nature of the project, so please contact me for more information.



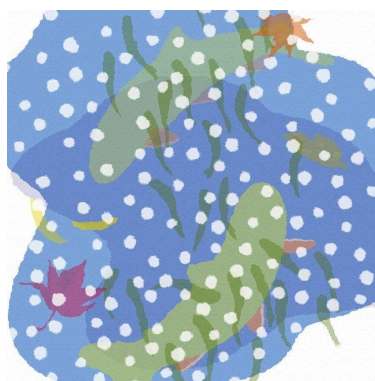
①



③



②



In addition to requests for illustrations alone,
 • Web site
 • Flyers, Posters
 • Business cards, etc.
 Please feel free to contact me for more information.



④

① Impress Corporation | Responsible for planning, literature research, all illustrations (except book design), and some of the text
 ② Masayo Soma and Henrik Brumm,(2020) Biology Letters | Digital illustration | D'Arnaud's barbet (*Trachyphonus darnaudii*)
 ③ Watercolor illustrations | Clockwise from top left: Canada Grouse (*Cachites canadensis*), Hare, Black Spruce (*Picea mariana*), *Salvelinus malma miyabei*
 ④ Digital illustrations | LINE stickers, Pixel Art, etc.



Hiroko Uchida



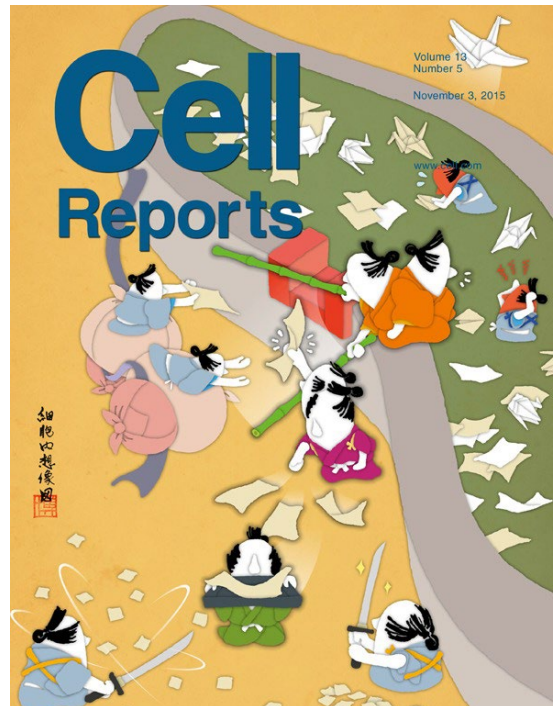
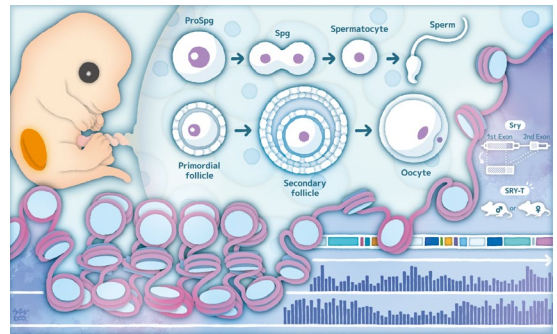
Biology

Medicine

Graphic design

After studying the basics of life phenomena at the Department of Biological Sciences, Faculty of Science, Nara Women's University, I worked for a printing company and then spent as a lab technician and an illustrator. I'm well known for my depiction of cells and biomolecules using my expertise in biology. I've provided illustrations for various media, including textbooks for elementary, junior high, and high school, university press releases, graphical abstracts for academic papers, the cover of many journals, and exhibition panels for museums. My poster designs for academic conferences and research meetings have also been well received.

Delivery Time 3 weeks - 3 months
Reference Price Press release: 80,000-130,000 yen
Poster: 180,000-300,000 yen
Journal cover: 70,000~ yen
(These are reference prices.)
Website <http://uchidahiroko.com/>
SNS X: @ucchy_v4
Email me@uchidahiroko.com
Language Japanese, English (e-mail only)






Urushibata Duic Ivana

(PhD in Life Science)

I am a Life Science Ph.D. from Kyoto University, specializing in innate immunity and cellular immunology. My personal experiences have cultivated a passion to bridge science and art. I am offering traditional and digital scientific graphics, from simple drawings to 3D molecule imaging, tailored for publications or posters. I am also producing a science-themed merchandise transforming labs, offices, and homes into vibrant spaces. After initial contact, we can work together to produce captivating illustrations of your research and create a lasting memory of your discoveries. Comic-style art summarizing my research featured on Kyoto University Research News. Currently I am contributing to RNA-based drug discovery in Kyoto as a scientist. I am also a member of the Japanese Society of Medical Illustration (JSMi).

Delivery Time 1week – 1month (as required)
Reference Price Negotiable; 15,000 ~ 100,000¥ for press releases, other design prices depend on the project size and complexity

SNS X: @IvanaDuic, Instagram: @idustrate

Email ivanaduich@gmail.com
 duic.ivana.87n@kyoto-u.jp

Language English: yes ; Japanese: e-mail only

WORKFLOW

STEP 1. CONTACT

Contact me! Please describe your research and the style in which you want your illustration to be.



STEP 2. BRAINSTORMING

I will do some thinking and sketching!



STEP 3. DISCUSSION

Do you like the idea, is it accurate or do you want to change something?



STEP 4. PRODUCTION

I am fully dedicated to your illustration, working on all the details!



STEP 5. DISCUSSION

Here you can make final changes and requests!

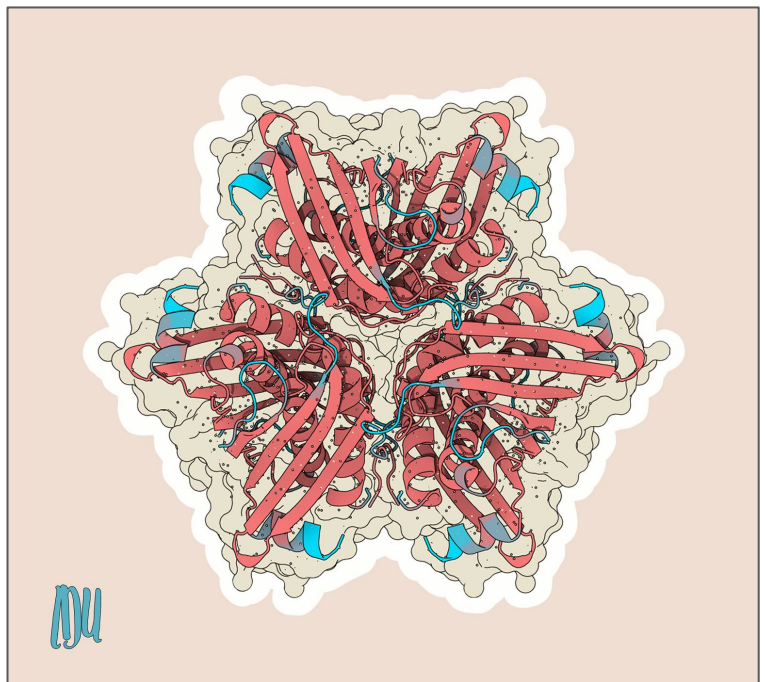


STEP 6. DONE!

You receive your illustration in the format and size you desire!



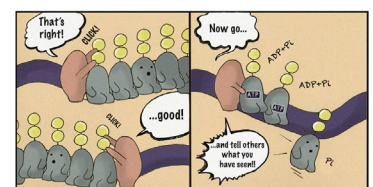
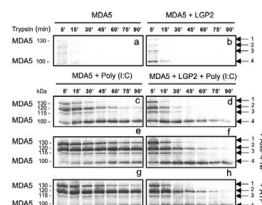
➤ Molecular stickers and wall art:



➤ Lab/notebook stickers and magnets:



➤ Illustration for a published paper:





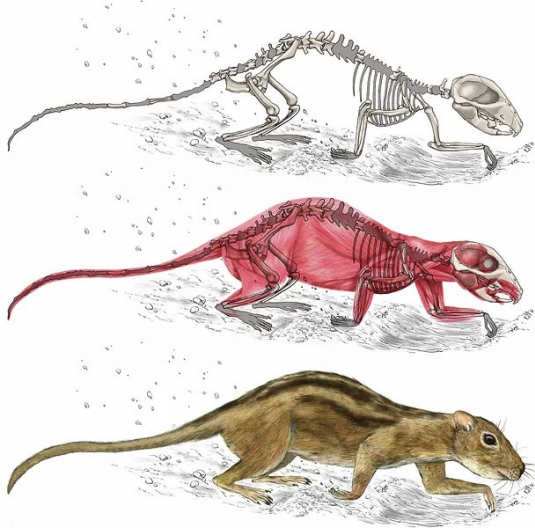
Ouchida Misaki
(CoSTEP, Hokkaido University)



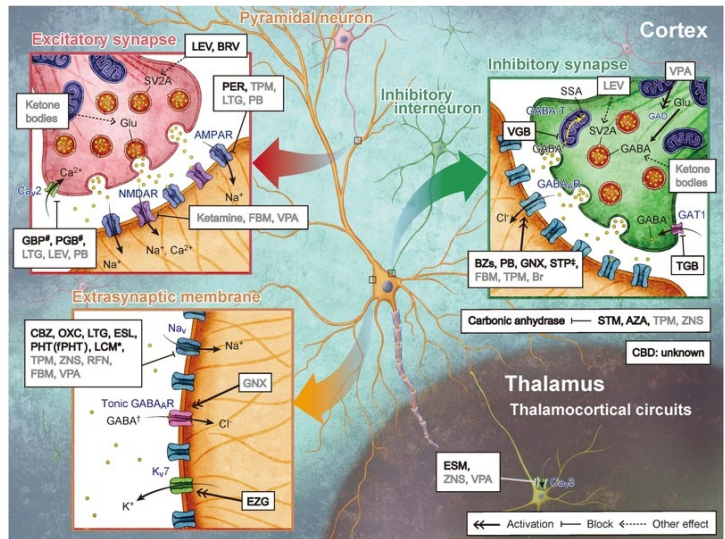
- Physics
- Entomology
- Ichthyology
- Ornithology
- Anthropology
- Anatomy
- Paleontology
- Neuroscience
- Life science

Science illustrator, Ph.D. in Science. Specially Appointed Assistant Professor at CoSTEP, Hokkaido University. Moved to the United States in 2010 and learned science illustration at the University of Washington. Right after graduation, worked at the Cornell Lab of Ornithology Lab and the Smithsonian National Museum of Natural History as a science illustrator, then returned to Japan in 2016. Worked as a science communicator/illustrator at Kyoto University for about five and a half years before taking up the current position in 2022. I have been creating several infographics, cover arts and key visuals for the numbers of scientific and educational purposes. In my current position, I educate and practice science communication using visuals.

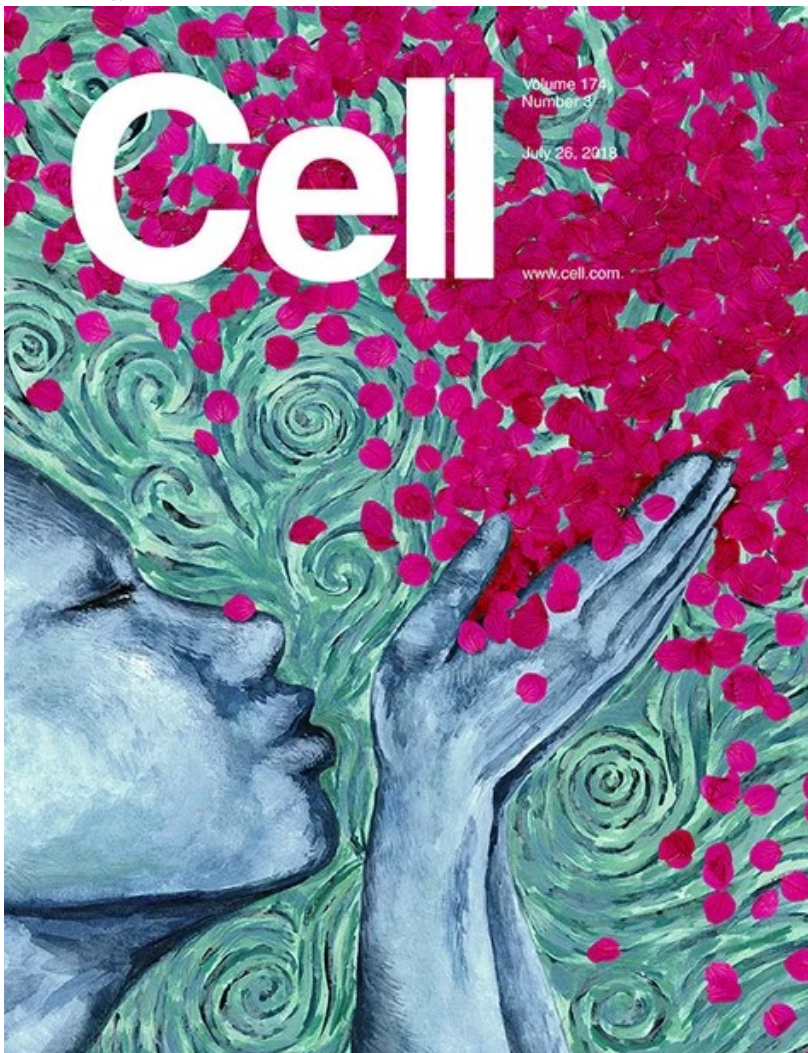
Website <https://www.misakiouchida.com/>
Email Please use the contact form from above website
Language Japanese, English



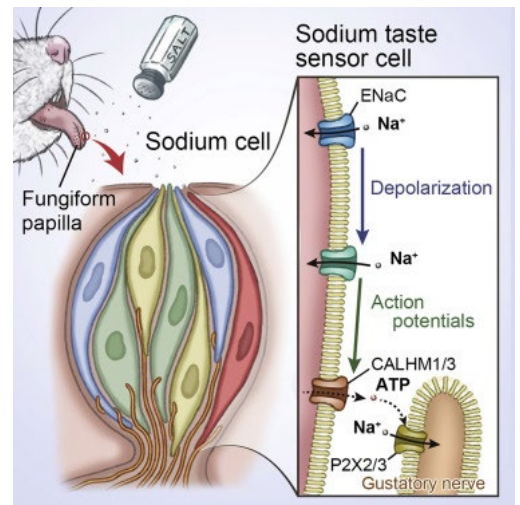
[Nature Ecology & Evolution 5, 32-37 \(2021\)](#)



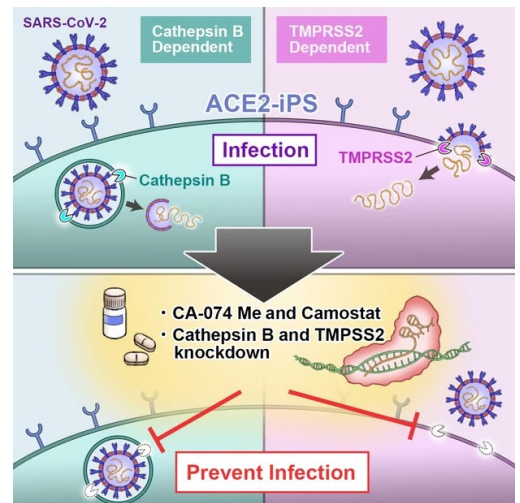
[Brain Development 42:1, 2-5 \(2020\)](#)



[Cell 174:3 499-770 \(2018\)](#)



[Neuron 106:5 816-829.E6 \(2020\)](#)



[MolecularTherapyNucleicAcids 26, 1107-1114 \(2021\)](#)

(Illustration by: Misaki Ouchida)



Hiroko Oomori
(cojet)

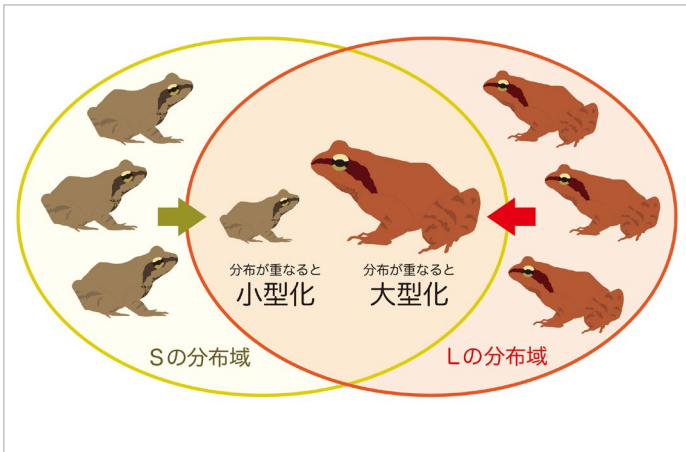


Biology

Ecology

I graduated from the evening course of Osaka Visual Arts College. After working for a digital contents production company in Osaka, I have been working as a freelancer since 2005. I created graphical abstracts for academic papers, educational flyer designs for government agencies, illustrations for picture books, logo designs, and more. I can draw illustrations with a wide range of touches, from elaborate, photographic illustrations of living creatures to simple illustrations with deformed features.

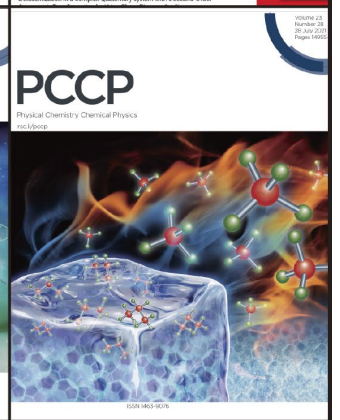
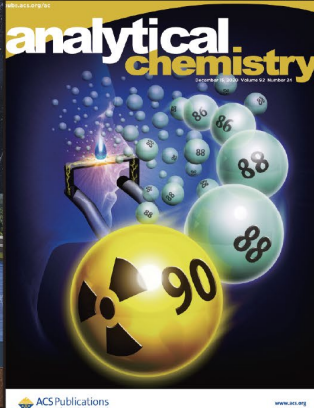
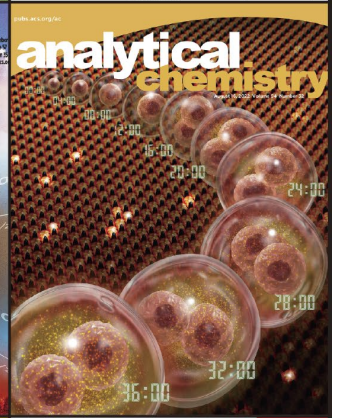
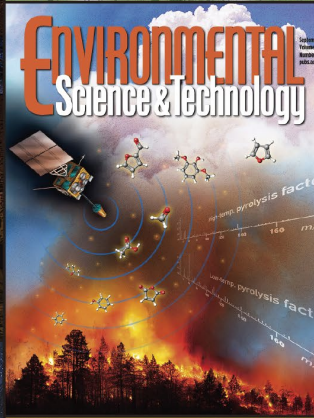
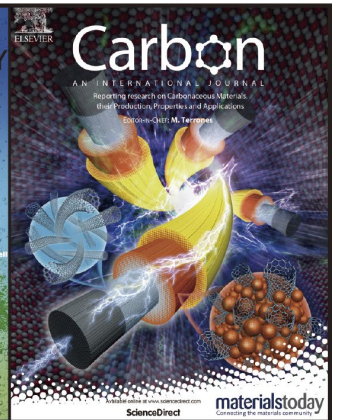
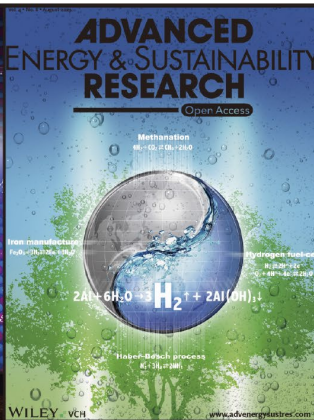
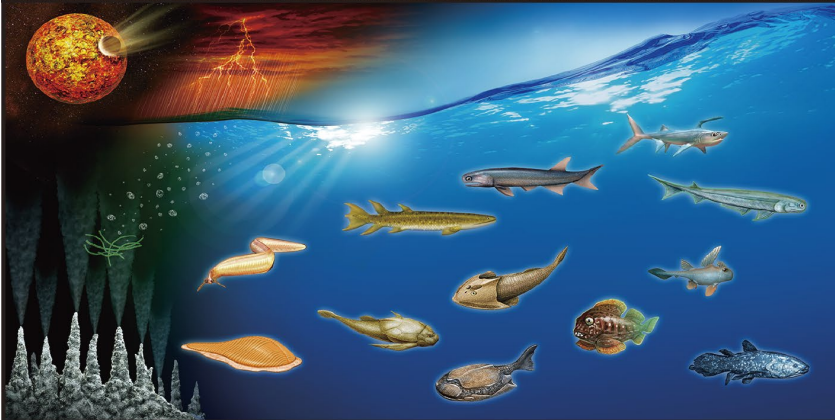
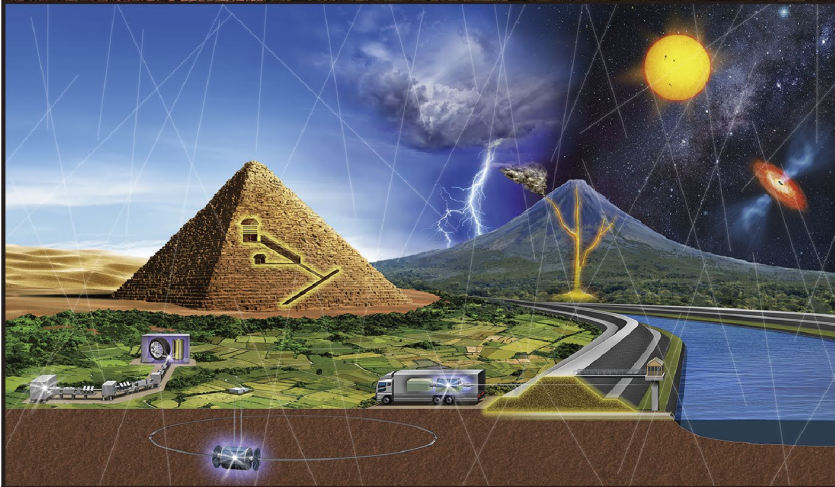
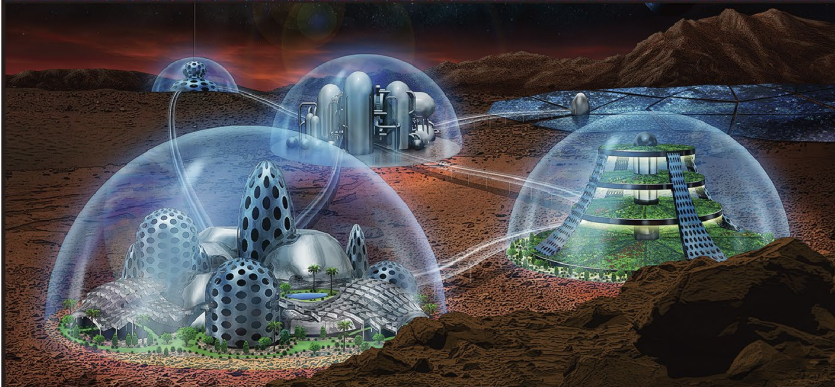
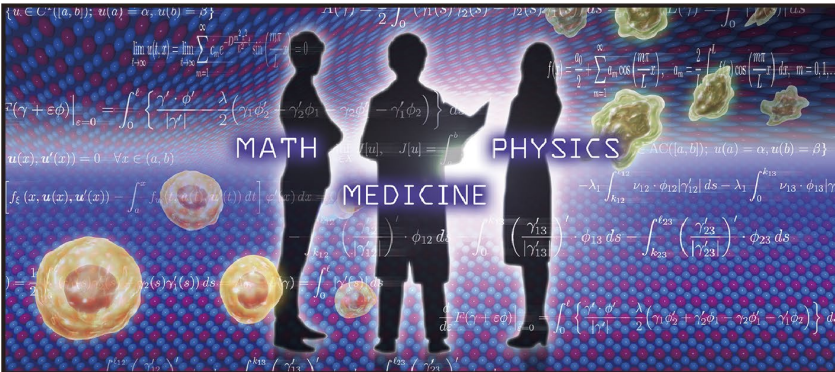
Website <https://www.cojet.jp/>
 SNS <https://www.cojet.jp/>
 Email info@cojet.jp
 Language Japanese




(Illustration by: Hiroko Oomori)

The focus of my work is creating illustrations for scientific journals and academic literature. My work has appeared in the scientific journal 'Newton'. My portfolio encompasses a wide range of scientific subject matter, including illustrations of space, weather phenomenon, medical treatments, and illustrations that make use of a number of different perspectives such as bird's-eye view. In addition, I have produced illustrations for mass-market publications such as picture books aimed at children, non-fiction books dealing with science related subject matter, and textbooks. I handle every step of the creative process, from the initial proposal and the rough draft to the final, completed illustration.

Delivery Time Negotiable
Reference Price Negotiable
Website <https://kinoshita-design.com/>
Email info_k023@kinoshita-design.com
Language Japanese





Chihiro Kinoshita
(Ph.D. / Illustrator)



Ecology

Biology

Oceanography

After obtaining a Ph.D. from the University of Tokyo, I conducted field research as a JSPS research fellowship for young scientists. I am currently working as a freelance illustrator. My specialty fields are behavioral ecology and diving physiology of marine animals. Regardless of the research field, I produce illustrations for press releases, graphical abstracts, and science books.

Delivery Time 2 weeks to a few months
Reference Price 100,000 yen ~
Website lunlundi.com
SNS @chimomonga (X, instagram)
Email chichiro.kinoshita@gmail.com
Language Japanese, English

● Previous work

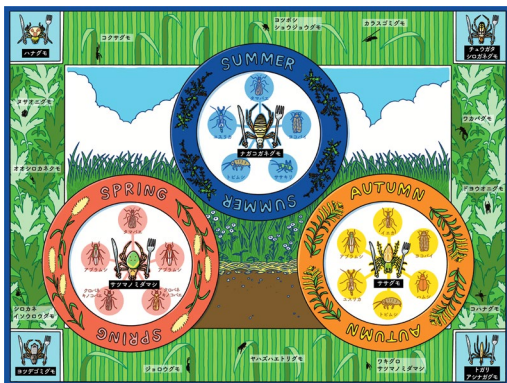


Illustration for press release
Suzuki et al., (2023) Nat. Ecol. Evol.



Illustration for press release
Iwata et al., (2023) Ethology



Illustration for
Institute for Advancement of Clinical and
Translational Science,
Kyoto University Hospital



Marine animals

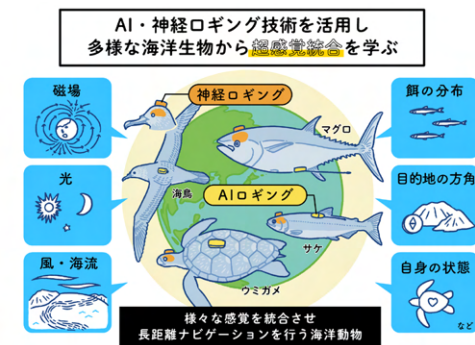
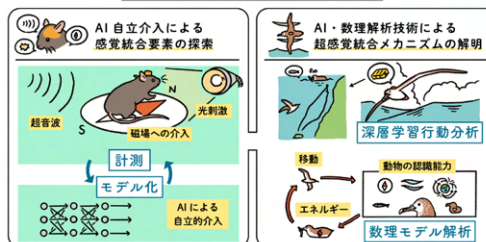


Illustration for report,
Center for Southeast Asian Study,
Kyoto University



Illustration for tayo Co., Ltd.



Graphical Abstract (CREST)

● Workflow

1.Meeting → 2.Draft → 3.Revise → 4. Complete

- Schedule
- Price
- Request
- etc...

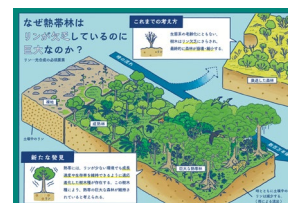


Illustration for
press release
Aoyagi et al., (2023)
Proc. Royal Soc. B

Software used: Photoshop, Illustrator, Procreate

(Illustration : Chihiro Kinoshita)



Yoshitaka SATO

(SAIKOU, Inc.)



Medicine

Anatomy

Histology

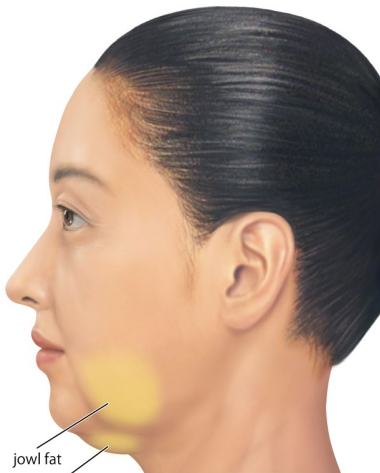
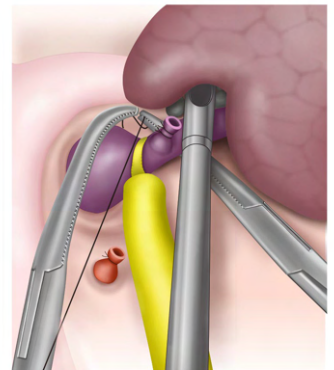
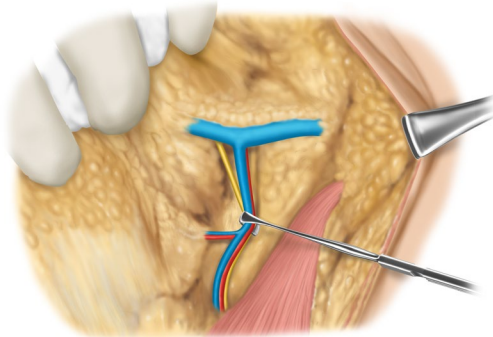
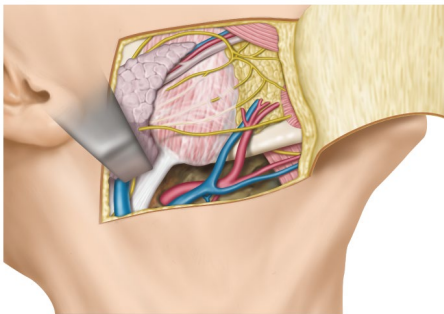
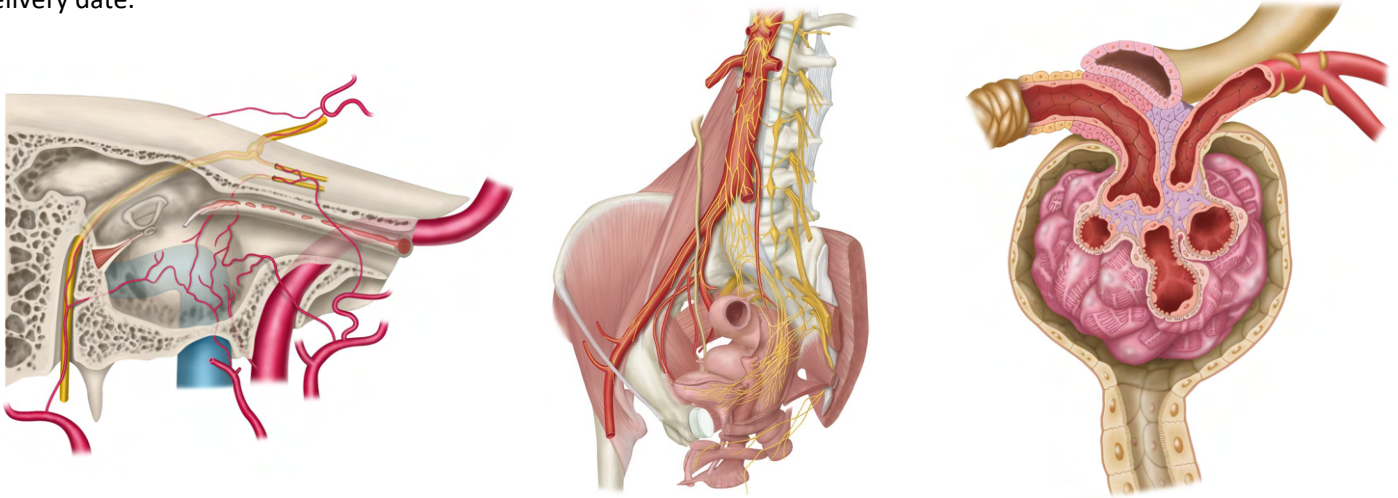
In 1990, I founded the production company Saikou. The company has 30 years of experience in producing medical illustrations. I am a member of the Japanese Society of Medical Illustration, a member of AMI, a member of the Japanese Society of Artistic Anatomy. I am often asked to create high-quality illustrations for published papers. My areas of responsibility include neurosurgery, orthopedics, urinary surgery, cardiovascular surgery, cosmetic dermatology, and ophthalmology, and I produce illustrations of anatomy, surgical techniques, pathological conditions, and other fields. If you send us your request using the request form on our website, we will contact you with examples, estimates and delivery date.

Delivery Time 2weeks – 2months
Reference Price 30,000 – 100,000 yen
(Most price range)

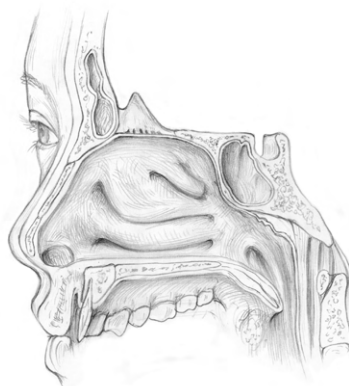
Website <https://www.saikou-i.co.jp/>

Email y_sato@saikou-i.co.jp

Language Japanese



jowl fat
submental fat



SAIKOU, Inc. (SATO Yoshitaka)



Ryuunosuke Takeshige

astronomy

I am one of the few astronomy-mainstream sign illustrators in Japan.

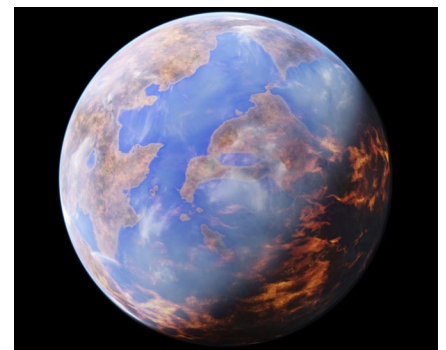
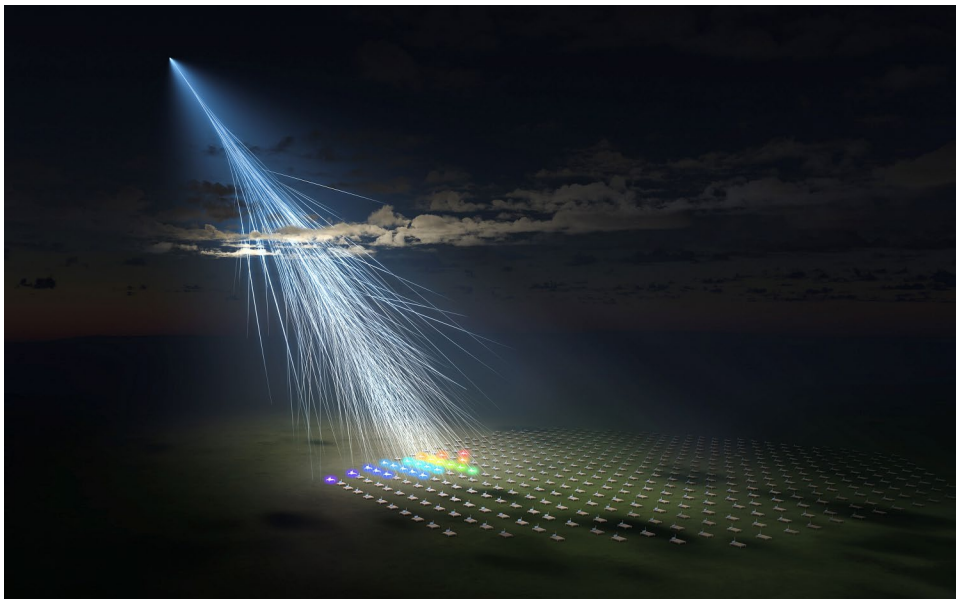
Representative illustrations have appeared in the following journals.

Science/ Nature/ Nature Astronomy/ Nature Communications/ The Astrophysical Journal.

Major institutions with which I have worked include Yale University Press/ JAXA/ National Astronomical Observatory of Japan/ University of Tokyo/ Kyoto University/ Kyushu University/ Kanazawa University/ Osaka Metropolitan University.

Illustration orders should be placed 1-2 months before press release so that additional revisions can be made after delivery.

Delivery Time 1-2 months
Reference Price 80,000-240,000 yen
Website <https://www.artstation.com/A4sizeCG>
SNS <https://twitter.com/A4sizeCG>
Email a4size.3dcg@gmail.com
Language Japanese



©Kyoto University Institute for Integrated Radiation and Nuclear Science

(Illustration: Ryuunosuke Takeshige)



Kanon Tanaka
(Kyoto University)



Biology

Medical science

Chemistry

I have worked on various illustrations and designs related to academic research while studying in biology during my undergraduate and graduate studies at Kyoto University. I have interned as an illustrator in France and have also won awards in international botanical art competitions. My illustrations have been used as cover art for international journals. In addition to press release illustrations, I can make original websites.

Online meetings using Zoom, etc., are OK. Face-to-face meetings are also available if you live near Kyoto. Please feel free to contact us.

Delivery Time 2 or 3 weeks ~ Depends on the order
Reference Price 1 illustration costs about 20,000 to 50,000 yen.

1 character costs about 5,000 to 10,000 yen. Original website costs about 3,000 to 7,000yen per on a monthly basis.

Website

1 page of pamphlet costs about 5,000 to 10,000 yen. <https://www.kanontanaka-illustration-webdesign-science.com/>

SNS

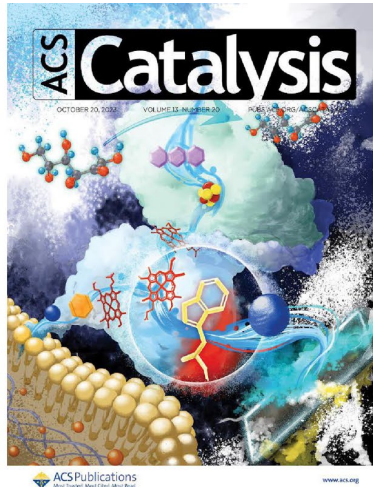
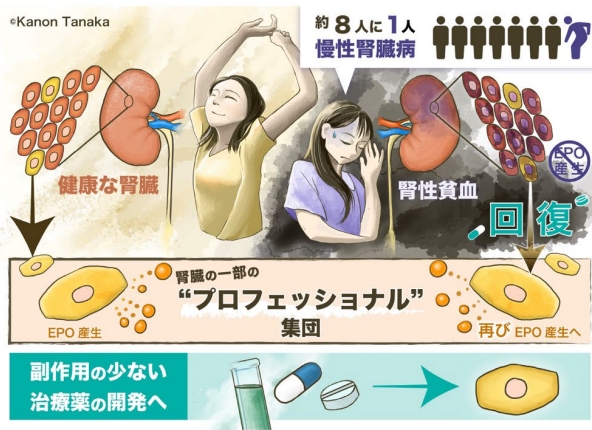
Instagram: ramen.umauma0216_
X: @canon_ofuton

Email

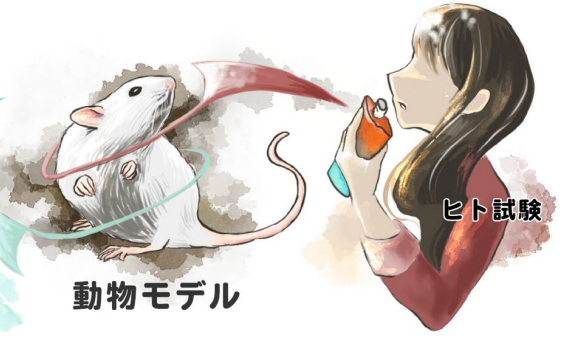
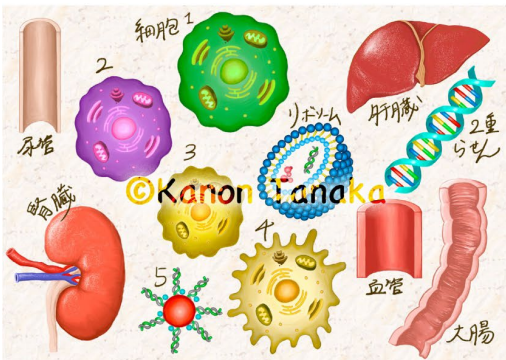
info@kanontanaka-illustration-webdesign-science.com

Language

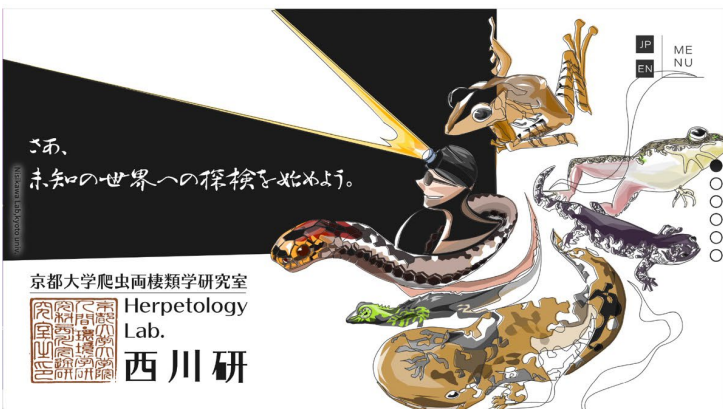
Japanese, English



1 illustration costs about 20,000 to 50,000 yen.



1 character costs about 5,000 to 10,000 yen.



以下は2ページ見開きパンフレット



Website costs about 3,000 to 7,000 yen per on a monthly basis.

1 page design costs about 5,000 to 10,000 yen.

Takashi Tsujino

SCIENCE GRAPHICS Co., Ltd.

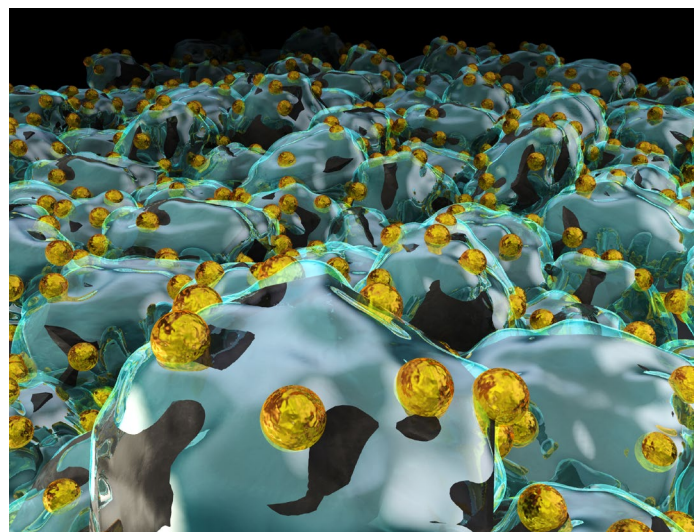
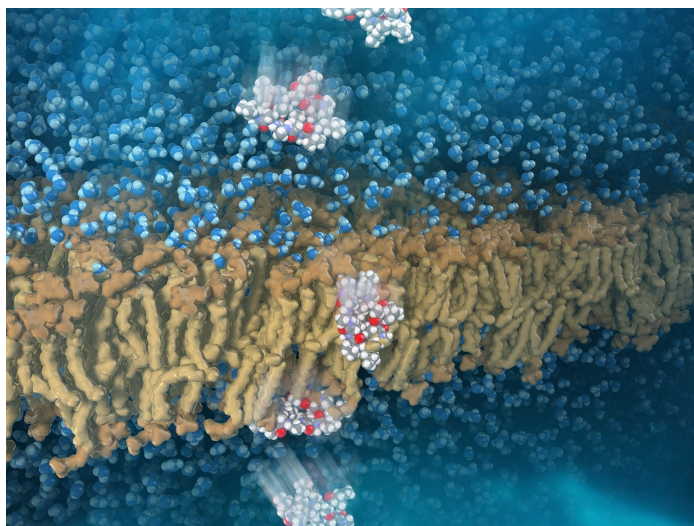
We provide cover picture creation services for journals such as Nature, Science, JACS, Cell, and Angewante Chime.

Our cover picture creation service, which started in 2005, has been supported by researchers at university research institutes, and we have received many inquiries from them.

Upon request, please provide a summary of the paper, a schematic diagram, etc. Additionally, if you already have an idea for your illustration, we will submit the first draft within 1 week to 10 days from the materials you receive via email.

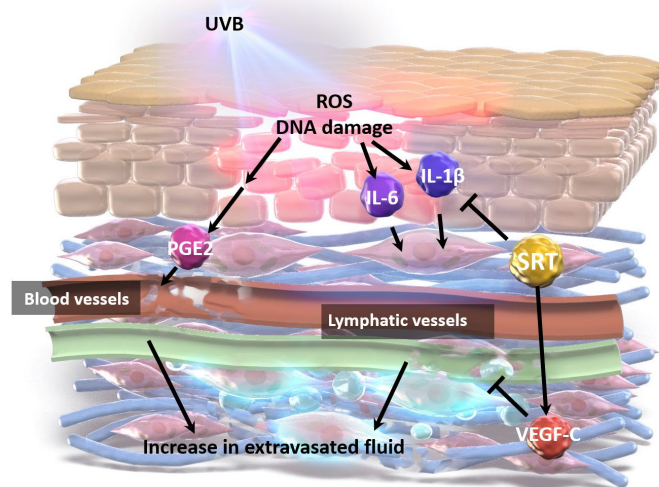
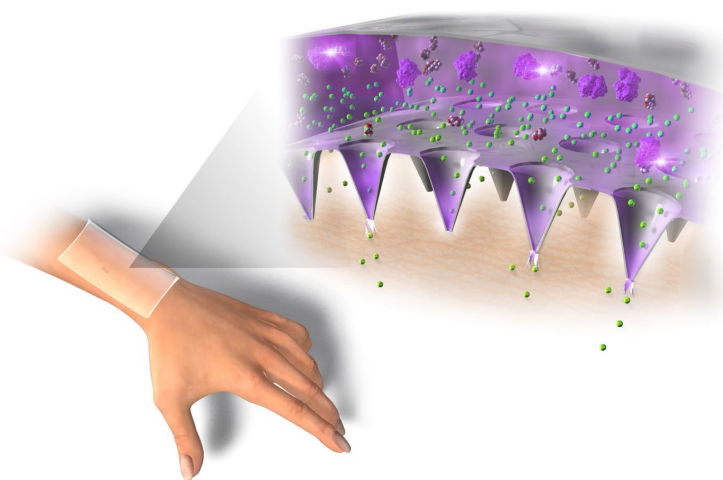
You can usually add or edit content once or twice, but up to three times. It will take approximately one day to make the corrections, so please use this time wisely. It is also possible to meet online.

Delivery Time	1 week to 10 days
Reference Price	General science and technology CG illustrations 30,000 yen ~ (multiple requests negotiable) / Cover art 50,000 ~ (multiple requests negotiable)
Website	https://www.s-graphics.co.jp/
Email	info@s-graphics.co.jp
Language	Japanese, English



(left) Qualitative information extracted from simulations

(Right) Figure for qualitatively depiction of the three-phase interface of electrodes



(Left) Illustration of how a microneedle-based sustained release system for the drug.

(Right) Illustration of the mechanism of the damage of blood vessels and lymph vessels in the dermis by UV irradiation.



Editage- Digital Media Solutions (formerly Impact Science) offers researchers and the wider scientific and academic community solutions to showcase, promote, and distribute their work to a larger audience. Offer offerings include graphical and video services, website services, content writing services, and marketing & promotional services. Editage has 20+ years of experience working closely with the research and publication industry and leverages this expertise to provide customers the best possible solutions. We have worked with publishers like Wiley, Taylor & Francis, Elsevier, Brill, etc. and several journals, universities, and societies around the world (CERN, Tokyo University of Science, Osaka University, Kyungpook University, Waseda University, Chinese Medical Association, etc.

Website <https://www.editage.com/>
<https://cactusglobal.com/brands/impact-science/>

Email hisashi.ogura@cactusglobal.com

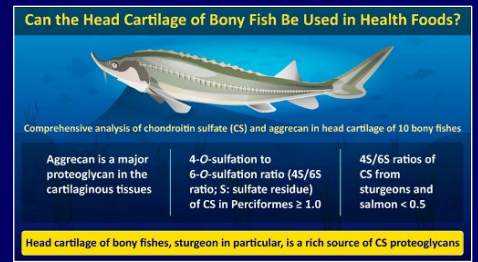
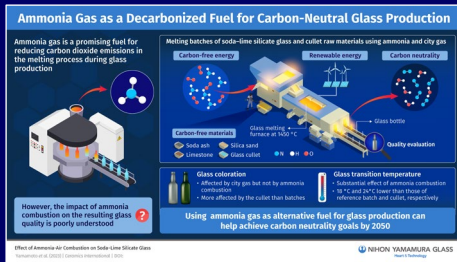
Language English, Japanese, Chinese, Korean (and other language possible)

INFOGRAPHICS (BASIC, MEDIUM AND PREMIUM)

PRICE: 59,000 JPY onwards

TAT: 8 days onwards

- Infographics provide a comprehensive visual summary of the study with the use of representative graphical icons, images, and or illustrations.
- They can be made simple and minimalistic or complex and data-heavy based on the use case.

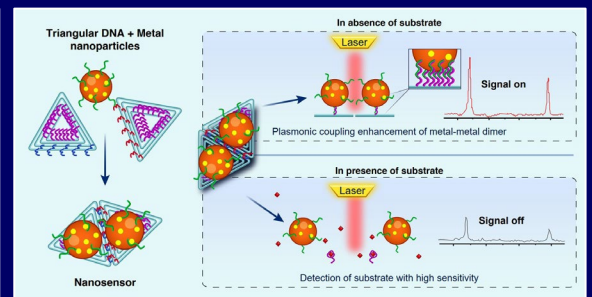
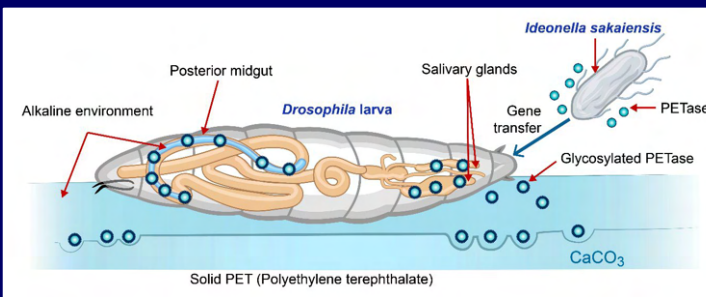
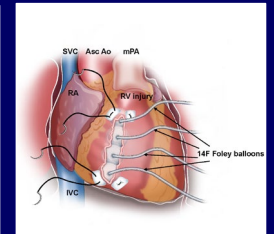
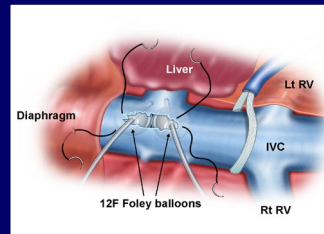


GRAPHICAL ABSTRACT AND ILLUSTRATIONS

PRICE: 38,000 JPY onwards

TAT: 6 days onwards

- Graphical abstract summarize a piece of research in a visually engaging manner, providing an at-a-glance view of the study.
- 2D and 3D illustrations are stand-alone illustrations of a specific concept for use in manuscript figures, posters, conferences, etc.



RESEARCH PPT

PRICE: 93,000 JPY onwards

TAT: 8 days onwards

- PowerPoint presentations showcasing research findings that can be used for conferences, events, etc.
- Formatting customers' PowerPoint presentations to make them visually engaging.



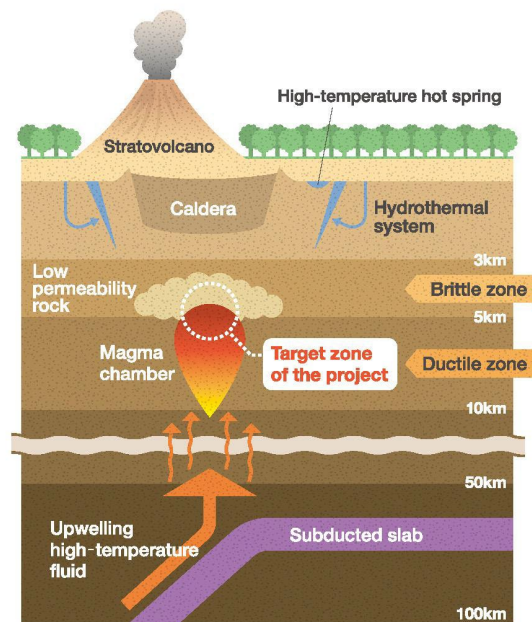


Trais is a design and production company that has worked with numerous universities and research institutions. The Research and Academic PR Support Division is based in Kyoto, Japan, and specializes in supporting universities and research institutions. As a content provider that understands the feelings of researchers, we use a variety of tools and items to communicate research content in a more attractive, accurate, and easy-to-understand manner.

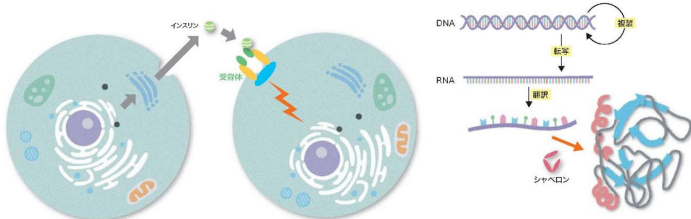
*We can only provide support in Japanese.

Delivery Time 3 weeks~
Reference Price 50,000 yen~ Depends on the content of the drawing.
Website <https://trais.co.jp/top-2-2/kyoto/>
<https://trais.co.jp/kaken>
SNS <https://www.facebook.com/trais.kyoto>
Email info@trais.co.jp
Language Japanese only

We do not have staff who can speak English. For inquiries and orders over the phone, we only support Japanese.



Conceptual diagram of the supercritical geothermal power generation system targeted by JBBP





NAGASAWA, Nazme
(Space-Time Inc.)



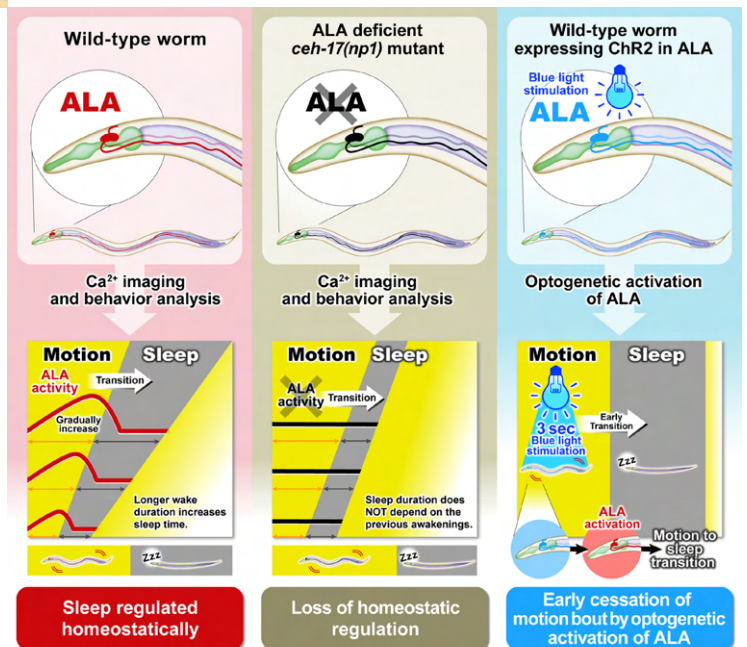
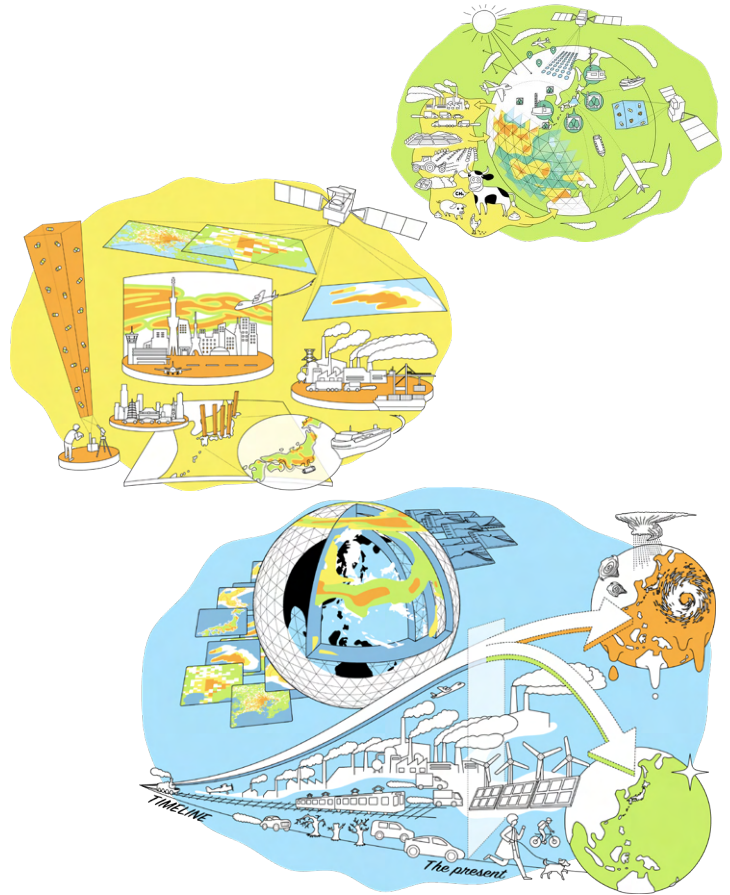
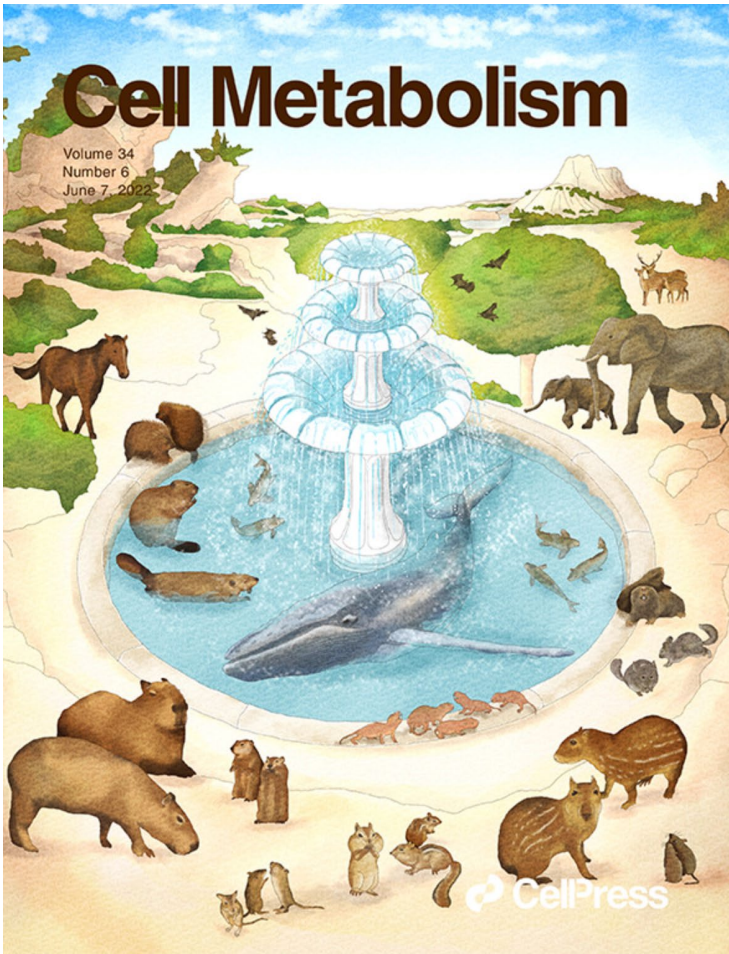
Earth science

Life science

Graphical abstracts, dissertation drafts, research image illustrations, logo marks, cover art, etc.

I visualize the inside of the mind and draw in abstraction. By drawing, the unnecessary is removed and the essential points emerge. This is the kind of design I seek to achieve.

Delivery Time Consultation
Reference Price Consultation
Website <https://www.stxst.com/>
Email nagasawa@stxst.com
Language Japanese, English



ALA encodes sleep pressure and contributes to sleep homeostasis



Hydrocore, Inc.



Life Sciences

Physics

Information
Technology

"Visualizing the Invisible" is our theme.

We represent the profound world of science in the most optimal way, with visuals that are both easily understandable and aesthetically pleasing.

As a Science Director for over 30 years, our works have communicated complex concepts and research findings of numerous research projects and companies through videos and illustrations.

Visual prototyping not only showcases the results but also greatly aids in organizing information for researchers and facilitates communication across different industries. During this time of significant transformations, we are offering proposals that transcend fields and resonate with a broad audience.

Delivery Time From two weeks

Reference Price Starting at 200,000 yen

Website <https://hydrocore.jp/>

Email hello@hydrocore.jp

Language Japanese, English

Hydrocore member



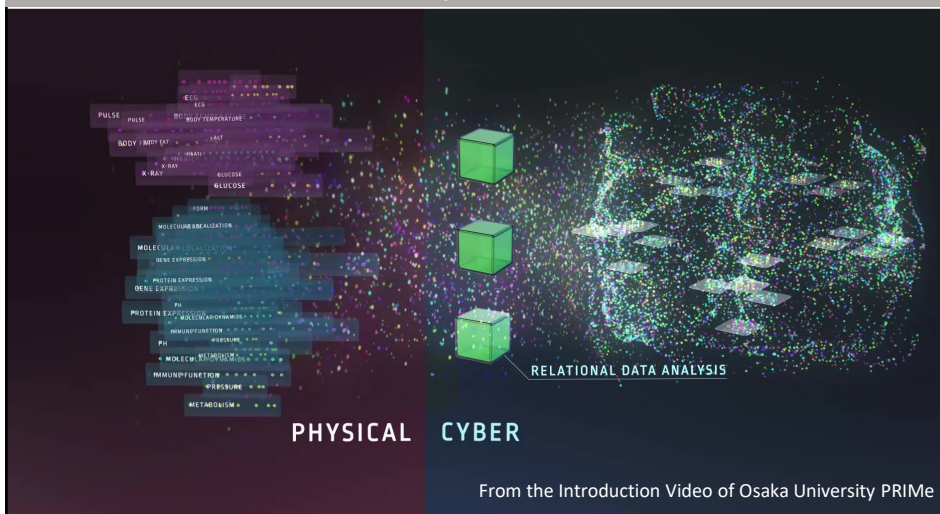
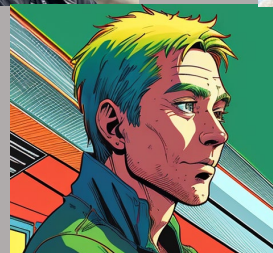
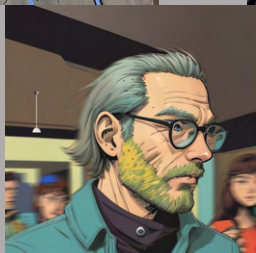
TANIAI, Takashi



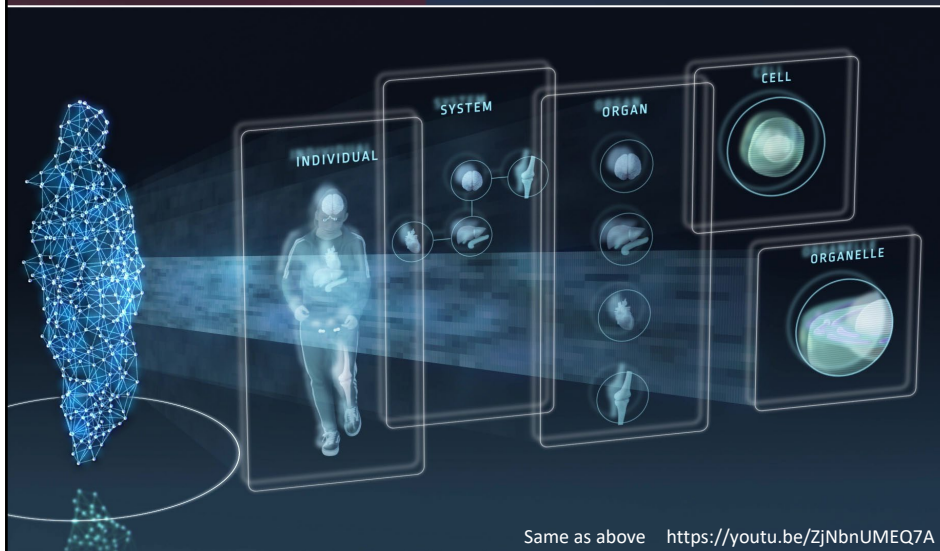
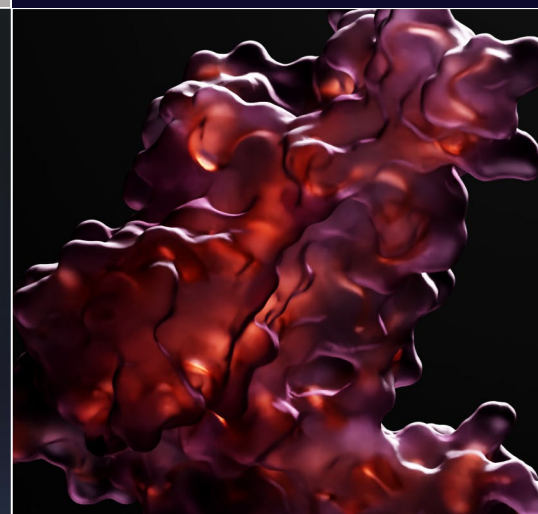
TAMAI, jun



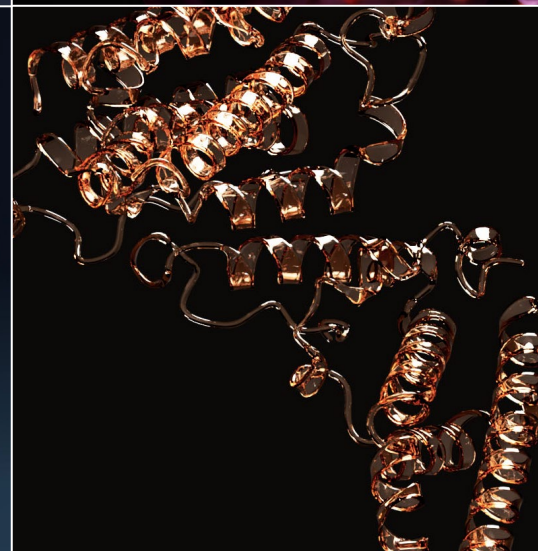
NAGATA, masami



From the Introduction Video of Osaka University PRIME



Same as above <https://youtu.be/ZjNbnUMEQ7A>



(Illustration: Hydrocore, Inc.)



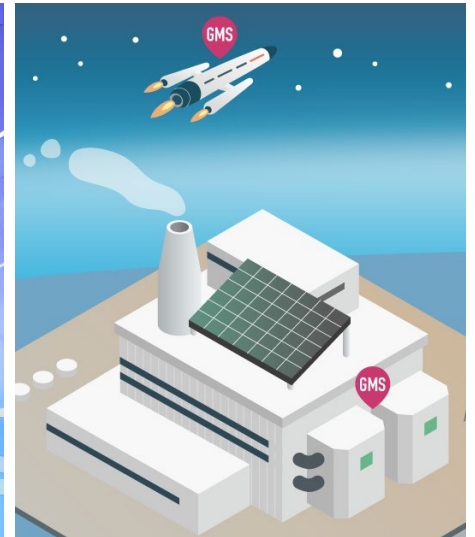
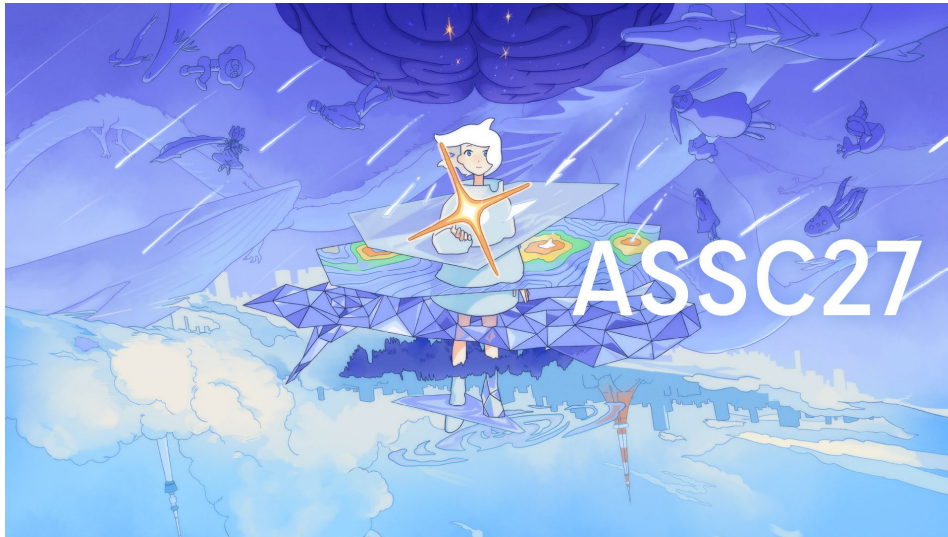
HASHIMOTO, Asuna
(Space-Time Inc.)



I majored in video production (animation) at a junior college. After graduation, I worked as a commercial graphic designer for 5 years before joining Space-Time Inc. Currently, as a graphic designer, I am mainly engaging in event posters, pamphlet production, and video production. I create the illustrations that best suit the mood, tone, and design of the client's project.

Delivery Time
Reference Price
Website
Email
Language

Consultation
Consultation
<https://www.stxst.com/>
hashimoto@stxst.com
Japanese





Hayanon

Science Manga Studio, Japan



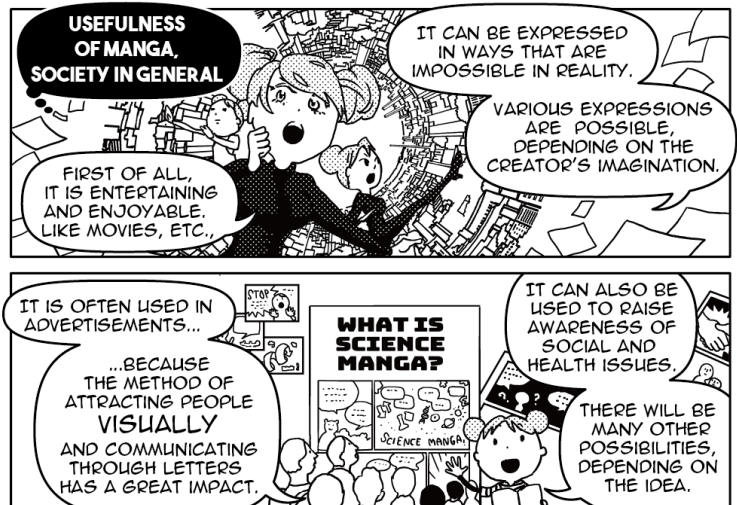
All fields of science and technology

Science Manga Studio is produced by Hayanon, with her background in physics and English education and over 30 years of experience as a professional science manga artist, and a team of science illustrators. We have a long history of working with domestic and international publishers, universities, and research institutions. We provide a full range of services to support "research publicity" in all fields of science and technology, including PR manga for research, journal cover art, illustrations for papers, press releases and applications, and all project publicity. We also specialize in productions that take into account political correctness and multilingual/cultural support. We accept payment by research budget such as Kakenhi (Grants-in-Aid for Scientific Research), invoice payment, and credit card payment.

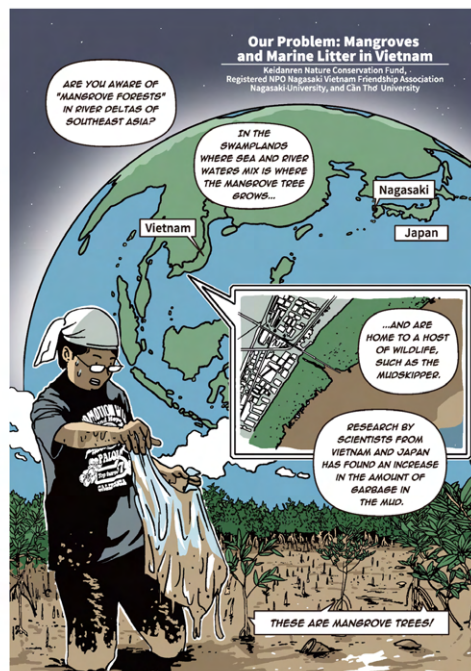
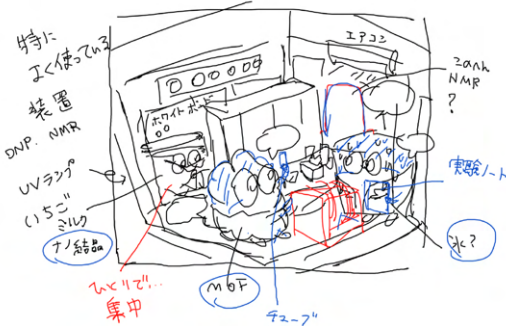
Delivery Time From a few hours to a month
Reference Price Press release illustration is 99,000 yen (same price for each additional language)
 Others are several thousand yen to hundreds of thousands of yen
Website sciencemanga.jp
SNS X(Twitter) :@sciencemangajp
Email info@sciencemanga.jp
Language Japanese and English. Other languages are available on request.



Science
Manga
Studio
Product
PDF
2023



Manga : Hayanon + Science Manga Studio (2023)





Illustrator Assistant at Hayanon Science Manga Studio,
and Ph.D. student in Kyoto University (Graduate School of
Agriculture) . I use medaka for my research.
My specialty is deformed illustration of biology.
software: Adobe Photoshop, Illustrator.

SNS @parsely918 (X account)
Email paris.parsely918@gmail.com
Language Japanese & English

~Trivia about medaka~

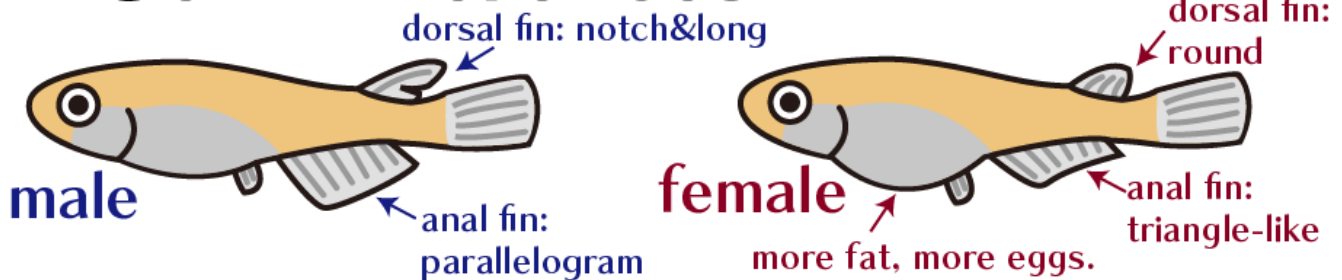
1. Strain

In Japan, there is

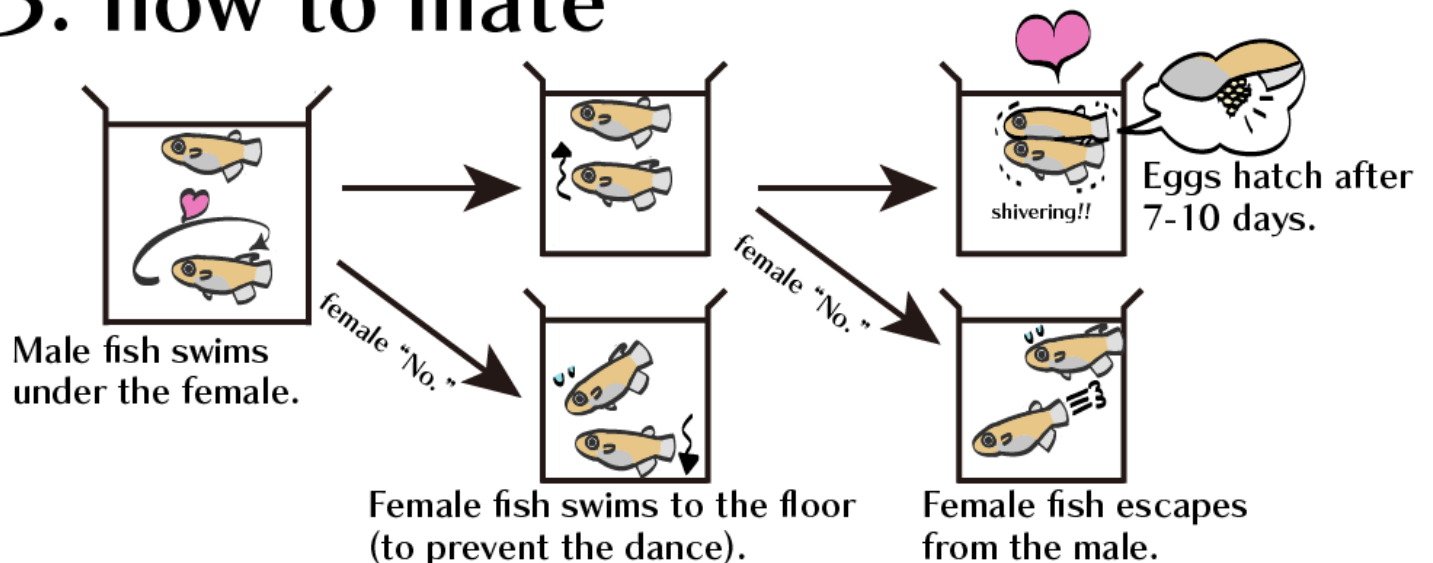
キタノメダカ *Oryzias sakaizumii*
in northern Japan
ミナミメダカ *Oryzias latipes*
in southern Japan

※also there is a hybrid strain.
(Sakaizumi, 1984.)

2. Sex Differences



3. how to mate





Haruko Hirukawa

(National Institute of Informatics)

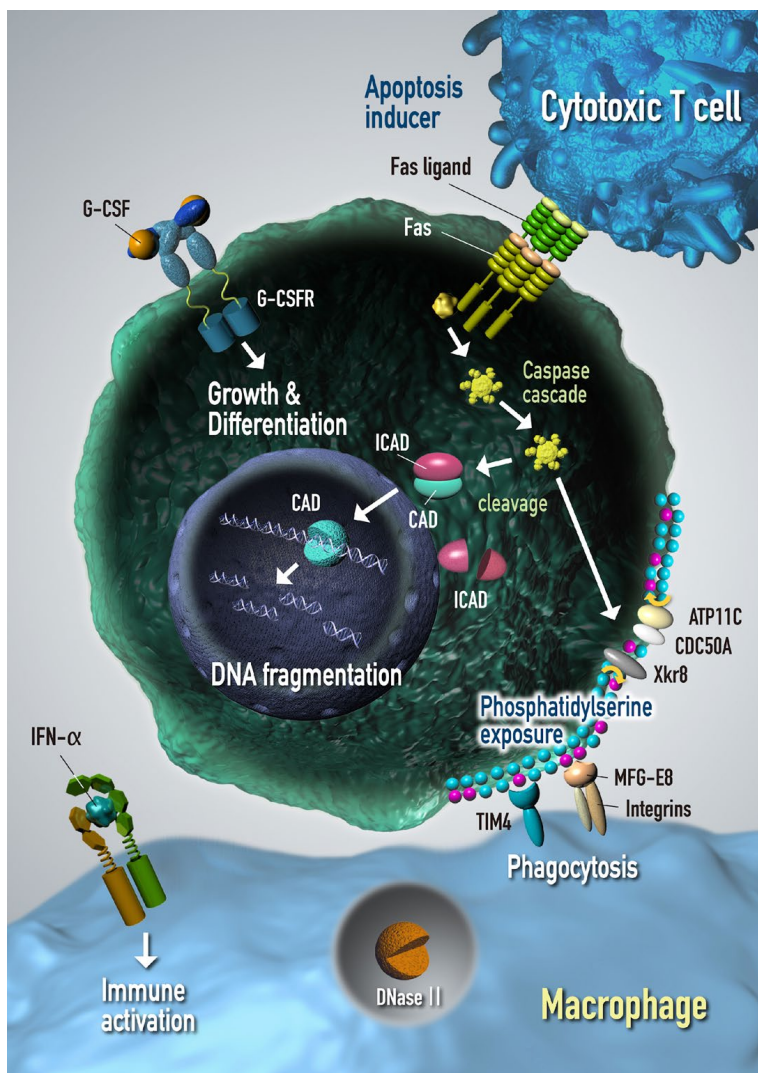
Chemistry

Biology

Medicine

Haruko has academic backgrounds in molecular biology and media arts. After she finished her masters degree in Molecular Biology, she decided to explore more about 'Art of Science' and 'Science of Art' for her career and entered Science Illustration program at the California State University Monterey Bay in the US. She hopes to encourage science research activity and stimulate science community through visual design. She is now working as a freelance Scientific Illustrator and a PhD candidate at the National Institute of Informatics. She specializes in producing 3DCG illustrations such as cover pictures, graphical abstracts etc to visualize research topics, mainly in the fields of organic chemistry and molecular biology.

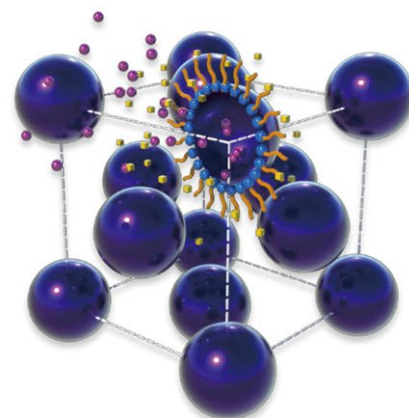
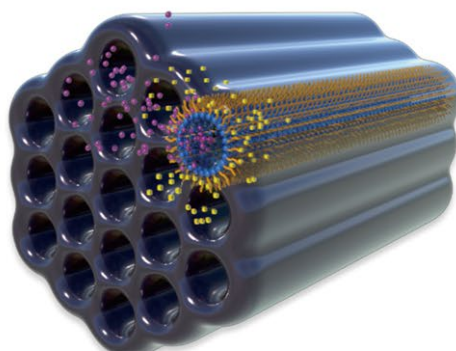
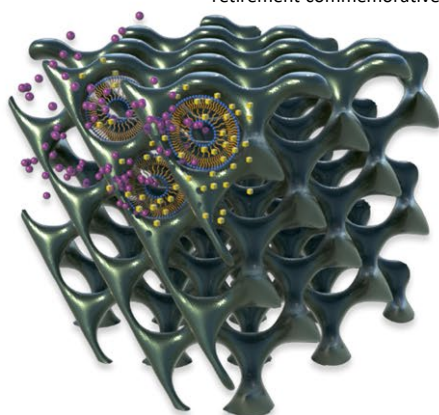
Delivery Time 2 weeks – 1.5 months
Reference Price 50000-100000 yen
Website haru.co
Email harukohirukawa@gmail.com
Language Japanese, English



(Illust : Osaka University Immunology Frontier Research Center, Professor Nagata retirement commemorative booklet)



(Illust : ACS Catalysis 2022, Volume 12, Issue 24)



(Illust : Key visuals for company technology, Farnex Co., Inc.)



Robin Hoshino



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Language Japanese, English



"This is a really beautiful result"
- Anonymous reviewer

(Illustration : Robin Hoshino)

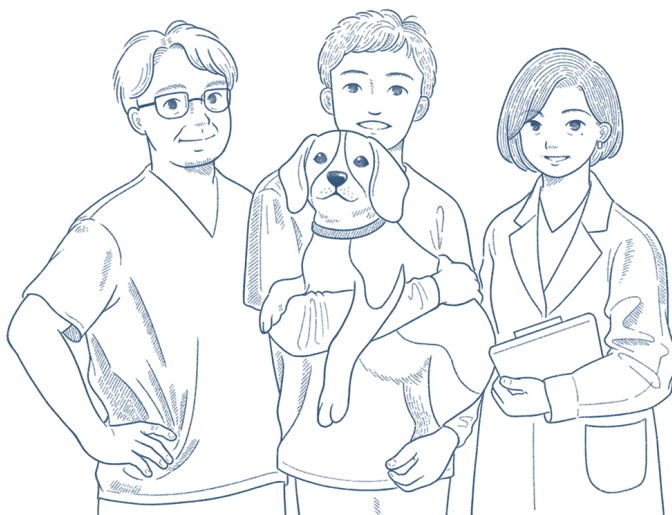


MIYAZAKI, Natsuko
(Space-Time Inc.)



After majoring in communication design at university, I worked as a book designer for IT, engineering, and medical publications. Later, I joined Space-Time Inc., where I had the chance to create cover art for the academic journal Neuron. I also work on visualizing complex information and concepts that are hard to convey through text alone. With various illustration styles, I cater to diverse target audiences and themes, not limited to the realm of science.

Delivery Time Consultation
Reference Price Consultation
Website <https://www.stxst.com/>
Email miyazaki@stxst.com
Language Japanese, English





We provide not only impressive cover pictures and other illustrations, but also solid and wide-ranging support for research publicity through our talented seven-member team under the leadership of the team representative, who is highly knowledgeable in the field of research. Please feel free to contact us about anything starting from a trial cut illustration. Publicity: Cover pictures and graphical abstracts (any touches such as 3D computer graphics, Japanese-style paintings, and more), as well as PR magazines, posters, logos, websites, videos, scientific articles, vision formulation, and more.

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研究広報メツチャ抄ル之図



Delivery Time
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We are also passionate about mentoring young creators by
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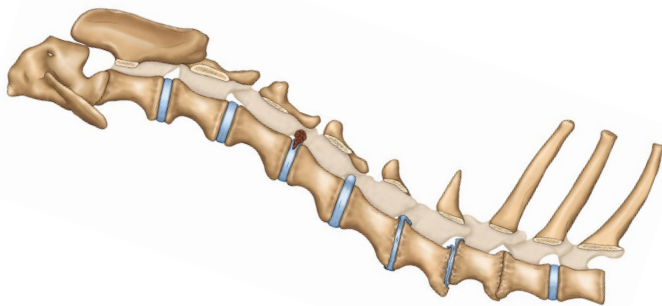


Illustration by Akinobu Sakurai

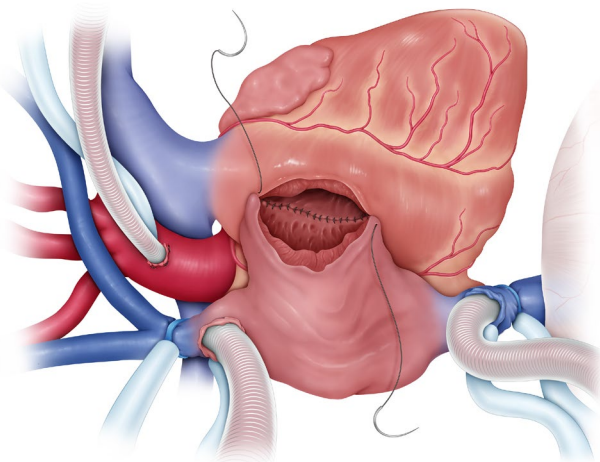


Illustration by Azusa Okuwa

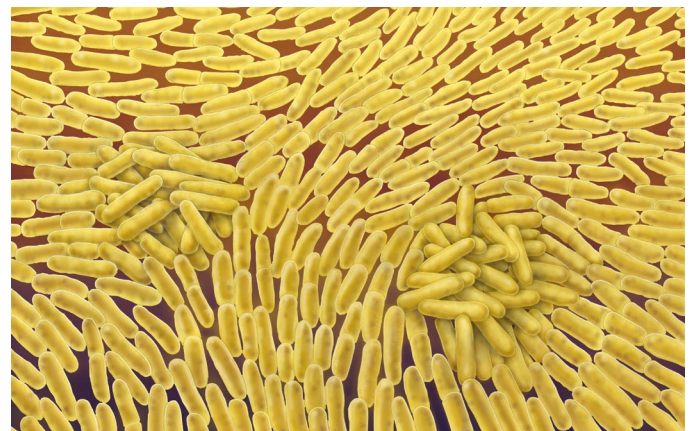
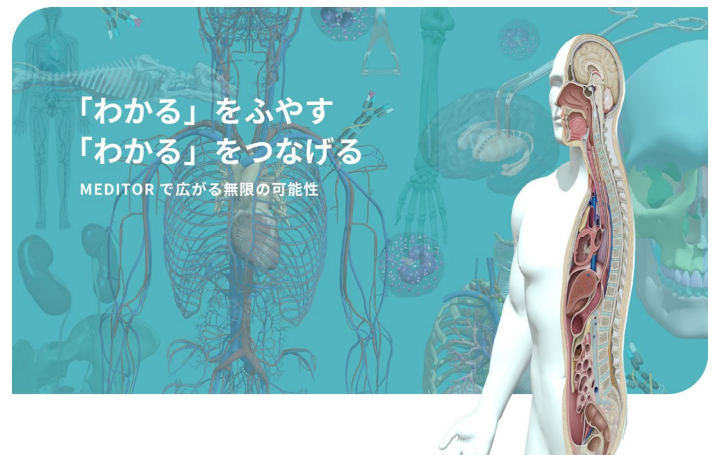


Illustration by Tomo Narashima

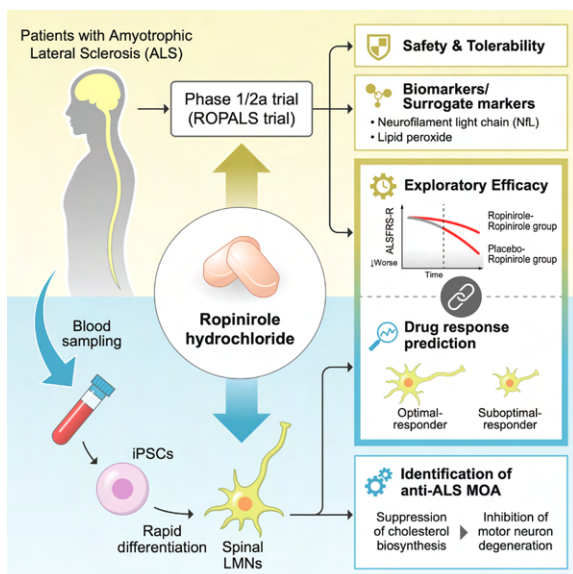


Illustration by Wataru Takayanagi

Illustration by Kana Ariga

Afterword

The first edition of this booklet was published in 2019 (English ver. in 2020) and received much positive feedback as a tool for connecting researchers who want to create science illustrations with science illustrators. The first edition focused on an overview of science illustrations and introducing science illustrators, while the second edition in Japanese provided more detailed information. Notably, the page on the "Work Process of Creating Science Illustrations" was designed to be clear and actionable for readers, with key points clearly outlined.

In this third edition, we have updated the design to make the content even more comprehensible and have added new science illustrators. We are pleased to publish the English version of the third edition and hope this booklet will assist researchers and those involved in public relations and research support in smoothly advancing the creation of science illustrations.

The list of science illustrators in the latter part of this booklet is designed to help researchers and PR/research support personnel select illustrators suited to their specific purposes, reflecting the unique characteristics of each illustrator. As visual elements such as science illustrations become increasingly important in research communication, it would be immensely gratifying if this booklet helps energize Japan's science illustration field.

Finally, we would like to extend our sincere gratitude to the science illustrators, researchers, Mr. Makoto Shida and Mr. Spyros Goulas from the ASHBi Research Acceleration Unit, Ms. Hiromi Sumita from the Institute for Life and Medical Sciences (LiMe) and Mr. David Kornhauser from Global Communications, for their cooperation, insights, and feedback in creating this booklet. We also deeply appreciate everyone who has taken the time to engage with this booklet from beginning to end.

Creator / ASHBi Research Acceleration Unit
Hiromi Nakao-Inoue
Chieko Chiwata
Tomoki Shimizu (Current Affiliation: ExCELLS)
Tadashi Ogawa



Illustration Sources

Cover Illustration: TRAIS. Co., Ltd.

#1 Illustration: Robin Hoshino

#2 Illustration: Hiroko Uchida
Yoshikawa T, et al. Tertiary Lymphoid Tissues Are Microenvironments with Intensive Interactions between Immune Cells and Proinflammatory Parenchymal Cells in Aged Kidneys. *J Am Soc Nephrol*. 2023.
doi: 10.1681/ASN.0000000000000202
URL: <https://www.eurekalert.org/news-releases/1000184>

#3 Credit: WPI-ASHBi
Sasaki-Honda M, Akatsuka K, Sawai T. Is epigenome editing non-inheritable? Implications for ethics and the regulation of human applications. *Stem Cell Reports*. 18: 2005-2009, 2023
doi: 10.1016/j.stemcr.2023.10.003.
URL: <https://www.eurekalert.org/news-releases/1007651>

#4 Courtesy of: C.Alev
Yamanaka Y, et al. Reconstituting human somitogenesis in vitro. *Nature*, 614: 509-520, 2023. doi: 10.1038/s41586-022-05649-2.
URL: <https://www.eurekalert.org/newsreleases/975082>

#5 Credit: Current Opinion in Genetics & Development;
Illustration: LAIMAN Co., Ltd.
Source : Hamidi S and Alev C. In vitro models of pre- and post- gastrulation embryonic development. *Curr Opin Genet Dev*. 77:101985, 2022.
doi: 10.1016/j.gde.2022.101985

#6 Credit:T. Ichikawa
Source : Ichikawa T. et al. An ex vivo system to study cellular dynamics underlying mouse peri-implantation development. *Dev Cell*. 57: 373-386, 2022.
doi: 10.1016/j.devcel.2021.12.023.

#7 Credit: WPI-ASHBi

#8 Illustration: Hiroko Uchida

#9 Illustration: Kanon Tanaka

#10 Illustration: Hiroko Uchida; Courtesy of: Institute for the Advanced Study of Human Biology (WPI-ASHBi), Kyoto University Inoue Laboratory (Bourque Group)
https://ashbi.kyoto-u.ac.jp/lab-sites/inoue_lab/

#11 Illustration: Legado Cajal. Instituto Cajal (CSIC). Madrid
Courtesy of: Institute for the Advanced Study of Human Biology (WPI-ASHBi), Kyoto University Amemori Group
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#12 Illustration: Ayako Mori; Courtesy of: Institute for the Advanced Study of Human Biology (WPI-ASHBi), Kyoto University Ryo Yamamoto Group
<https://ashbi.kyoto-u.ac.jp/lab-sites/ryo-yamamoto/>

#13 Illustration: Science Manga Studio (2024)

#14 Illustration: TRAIS. Co., Ltd.
Sasaki R, et al. Balancing Risk-Return Decisions by Manipulating the Mesofrontal Circuits in Primates. *Science*, 2024.

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[Contact Information]

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Third Edition: September 2024