

# The Physiological Society Brand Guidelines

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March 2021

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# Logos



## 1.1 Logo variations

The Physiological Society logo is available to use in four colours.

**The Full colour logo** is our primary logo. The logo should preferably be used on a white background but may be used on light colours and images. Please ensure that there is enough contrast for the icon and wordmark to be visible and legible.

**The Cyan and white logo** should be used on dark blue backgrounds or very dark images only.

**The White logo** should be used on backgrounds using our six brand colours excluding the dark blue and on dark images and graphics. When using this logo, ensure that there is enough contrast for the logo to be visible and legible.

**A Black logo** is also available but is only to be used in instances where the other logos cannot be used such as when printing in black only.

**The logos have been produced in the following formats.**

**EPS** – These files are for professional design use. There are CMYK logos for general use and Pantone logos for printing in spot colours.

**JPG and PNG** – These versions are for use with programs such as Microsoft Word and digital use.



**Full colour logo**

Formats: CMYK EPS File, Pantone EPS File, JPG, PNG File



**Cyan and white logo**

Formats: EPS File, PNG File



**White logo**

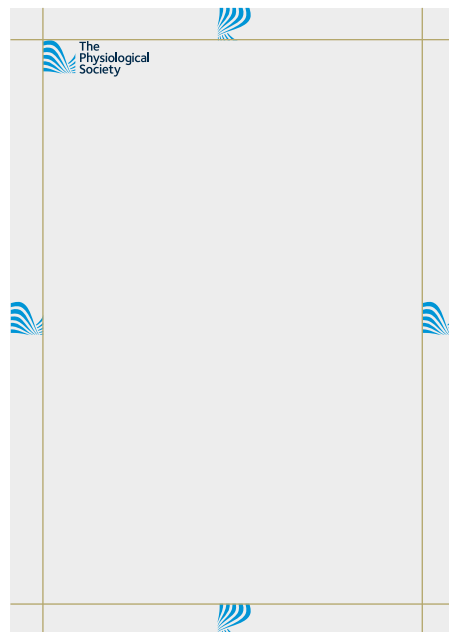
Formats: EPS File, PNG File



## 1.2 Positioning

The Physiological Society's logo can be positioned in any corner if it best suits the design of each piece of communication. Usually the logo works best along the hard edge of the document, either top left or bottom left. Avoid centring the logo.

The margin around the logo should equal the width of the wave graphic. If this is not possible ensure that the margins are of equal measure, e.g. If a logo is positioned top left, the top and left margins should be the same.



## 1.3 Minimum exclusion zone

To ensure that the logo is prominent and visible, an area of clear space must surround the logo at all times. Ideally this should be equal to the width of the wave graphic. If space doesn't allow this, the clear space should be a minimum of the width of the 'P' in the logo. This will scale up in relation to the size the logo is being used.



## 1.4 Print sizes

The Physiological Society logo should always be prominent and clear on our materials. To ensure consistency across our print and digital materials we have specified sizes for common page sizes and applications.

To make sure that our logo is always legible, the smallest recommended size for the logo is 20mm in width for printed materials.

**A3**  
70mm



**A4**  
50mm



**A5**  
35mm



**Min**  
20mm



## 1.5 Digital sizes

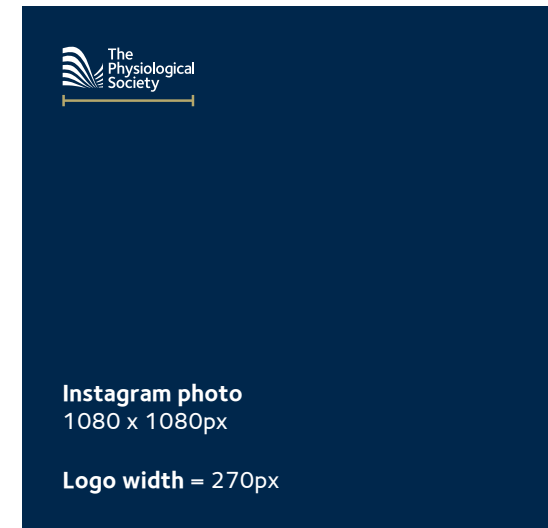
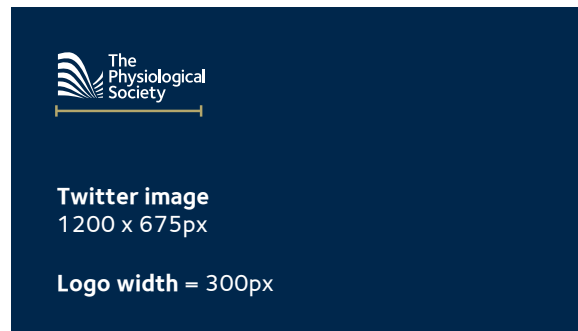
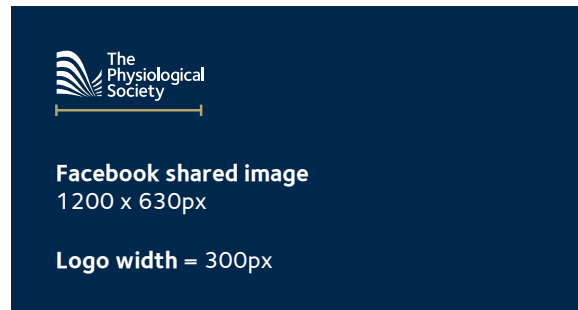
As a rule, the width of the logo when sized for digital use should be 25% of the width of the item being produced. This is a guide and there may be exceptions to the rule for oddly proportioned sizes. The smallest recommended size of the logo for a digital use is 72px.

Shown opposite are some of the common social media sizes correct at time of printing.

**Before creating new work, ensure that you are using the most up to date information on social media image sizes.**

### Minimum size

72px



## 1.6 Branding bar

The branding bar can be used for materials where the logo does not work over an image or background, or where contact and social media details are required. It should appear with either a white or dark blue background.

It works best on event adverts or posters to create a clear division from the details of the event. The branding bar should only appear at the bottom of the materials, and should not be used on materials smaller than A5.

**A4 Branding bar dark blue** Shown to scale. 12mm margin between borders and sections.



### Cyan and white logo

50mm width

### Contact details

Foundry Sterling bold 12pt

### Social media details

Foundry Sterling medium 11pt

**A5 Branding bar white** Shown to scale. 8mm margin between borders and sections.



### Cyan and white logo

35mm width

### Contact details

Foundry Sterling bold 9pt

### Social media details

Foundry Sterling medium 8pt



## 1.7 Logo misuse



Do not place the full colour logo on coloured backgrounds or images.



Do not place the cyan and white logo on backgrounds or images that are not very dark or conflict with the cyan colour.



Do not place the white logo on light coloured backgrounds or images.



Do not place any logo directly over busy backgrounds or images.



Do not alter the colour of the logos unless it is for a special print process such as foil blocking.



Do not modify or rearrange the logo or wordmark. The only exception is for social media profile images where the wave can be used without the wordmark, but the wave still shouldn't be rotated or flipped.



Make sure that the logo is not distorted in any way.



Do not rotate the logo. It should always be used in a horizontal format or a vertical format in special circumstances such as event displays.

## 1.8 Journal logos

The Physiological Society publishes two Journals that lead the discipline, promoting best practice and pushing the boundaries of scientific endeavour, *The Journal of Physiology* and *Experimental Physiology*.

Both of the Journals use the typography and brand colours of The Physiological Society.

The two logos shown opposite should only appear in the colours shown. *The Journal of Physiology* logo uses the dark blue brand colour and *Experimental Physiology* uses dark blue and red.

For details on the colours, see page 14.

When using the logos alongside The Physiological Society logo, a space equal to the wave graphic should be left between them.

The top of the 'T' in the The Journal of Physiology logo should line up with the top of right hand section of the wave graphic.

The Top of the 'X' in the Experimental Psychology logo should line up with the top of right hand section of the wave graphic.

# The Journal of Physiology

Full colour logo

The Journal of  
Physiology

White logo

# Experimental Physiology

Full colour logo

Experimental  
Physiology

White logo



Logo alignment and sizing

A large, circular, translucent cell is shown in the center-right of the frame. Inside the cell is a darker, textured nucleus. The background is a solid magenta color with faint, out-of-focus images of other cells.

2

# Typography



## 2.1 Our typefaces

### Primary font

The Foundry Sterling font family should always be used for text on printed materials and for digital applications such as social media posts and online advertising. The brand uses four weights of the font.

Foundry Sterling Book

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*Foundry Sterling Book Italic*

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Foundry Sterling Medium

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**Foundry Sterling Bold**

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### Internal font

In circumstances where it is not possible to use our primary font such as emails, and internal documents, the Calibri font family should be used.

Calibri Regular

*Calibri Regular italic*

**Calibri Bold**

### Website font

For digital applications such as our website the Roboto font family is used. Use Roboto Condensed for headings and Roboto regular for text.

Roboto Condensed Regular

**Roboto Condensed Bold**

Roboto Regular

**Roboto Bold**

## 2.2 Using type consistently

# The Physiological Society

## Advancing physiology since 1876

As the largest network of physiologists in Europe, with academic journals of global reach, we continue our 140-year tradition of being at the forefront of the life sciences. We bring together scientists from over 60 countries, and our members have included numerous Nobel Prize winners from Ivan Pavlov to John O’Keefe.

### About us

The Physiological Society brings together over 4000 scientists from over 60 countries. Since its foundation in 1876, its members have made significant contributions to our knowledge of biological systems and the treatment of disease.

We promote physiology and support those working in the field by organising world-class scientific meetings, offering grants for research, collaboration and international travel, and by publishing the latest developments in our leading scientific journals, The Journal of Physiology, Experimental Physiology and Physiological Reports.

The Society also runs events for the general public on how physiology relates to everyday life, and for students who may be considering physiology as a career.

**Main headings** should be typeset in Foundry Sterling bold or medium. A mixture of the two weights can also be used to add emphasis. The bold weight should be used as the primary font for advertisements and the medium weight for academic uses such as headings within reports. The line spacing of the headings should be 120% of the font size.

**Standfirsts and quotes** should be typeset in Foundry Sterling medium.

**Sub headings** should be typeset in Foundry Sterling bold.

**Body text** should be typeset in Foundry Sterling regular unless it’s important to highlight key information, and then the heavier weights can be used. Body text should be no smaller than 11pt so that it is legible to as many people as possible.

**The colour of body text in reports and publications should be an 80% tint of black.**

## 2.3 Accessibility guidelines

The Physiological Society communications need to be visually engaging and legible for all of our audiences. To ensure communications are accessible to as many audiences as possible, we need to consider a variety of things including text size and style, text alignment and colour contrast.

### Text size

Body text should be a minimum of 11pt so that it is legible to as many people as possible.

### Capitalisation

Setting large amounts of text in capital letters can be harder to read than lower-case letters. Using capital-case is acceptable only for headings and emphasising single words

### Italicisation

Some audiences can find italics difficult to read so they should be used sparingly. Using a bold weight, an underline or a strong colour are good alternatives to add emphasis.

### Leading

Leading or line spacing is the space between one line of text and the next. If the line spacing is too narrow or too big the text will be difficult to read. As a basic rule, the leading should roughly be a minimum of 120% of the text size. For example, 11pt text would have a line spacing of 13pt.

### Word spacing

Changing the spacing between letters or words

(horizontal scaling) is sometimes used to fit more text on to a line. Where possible this should be avoided to avoid compromising legibility. In cases where this cannot be avoided, the horizontal scaling should be set to no less than 97%.

### Line length

Long lines of text are harder to read. For optimum readability, a good guideline is between 12 and 15 words per line.

### Alignment

Left-aligned text with a ragged right hand margin is the most legible as it is easiest to find the start and finish of each line. Avoid centring large sections of text or justifying text (where all lines of text are of an equal length).

### Colour contrast

There should always be a high contrast between the text and the background. Contrast is greatest when dark colours are used with light colours or white. Avoid using text in our brand colours on dark backgrounds or images. Body text and small text using very dark colours are the most accessible and should be set to an 80% tint of black in our communications.

When using white text, the background should be as dark as possible. Avoid using white text unless it is a heading or a large point size on our gold and primary cyan backgrounds.

You can check the accessibility of colour contrast for digital use at:

**[webaim.org/resources/contrastchecker](https://webaim.org/resources/contrastchecker)**

**For examples on colour combinations to avoid, see the Colour misuse section on page 16.**

### Colour blindness

In order for charts and diagrams to be made accessible for people with colour blindness, it is important that information is not displayed in colour only. Where this is not possible (e.g. gene expression heat maps), colour tints and contrast should be carefully considered. When using our brand colours in charts and diagrams, try varying the tints of the different colours to improve the contrast between them. Further recommendations:

- Do not convey information in colour only. Show difference both in colour and shape (solid and dotted lines, different symbols etc).
- Label elements of a graph on the graph itself rather than colour coding them.
- People with colour deficiencies are usually unable to tell the difference between red and green. Some will also struggle to distinguish between blue and green and yellow and red/purple. Avoid these colour combinations in charts and diagrams and consider using more accessible combinations such as green and magenta or yellow and blue.





# 3

# Colour

## 3.1 Colour palette

The primary colours of the brand are dark blue and teal. These should be the dominant colours in any materials produced.

A secondary palette of colours exist to add interest to materials, appeal to different audiences or to highlight key information. This secondary palette should not be used on its own and should appear with one of the two primary colours unless within a document.

The brand colours work best when they are bright and vibrant. Tints of the colours may be used but only with the full strength colour also appearing. This is relevant for backgrounds of text boxes and for colouring charts and graphs. Tints should be used in 20% increments.

### TPS Primary Blue

CMYK 100. 44. 0. 76.  
RGB 0. 39. 76.  
HEX #00274C  
Pantone 5395 U

### TPS Primary Cyan

CMYK 85. 21. 0. 0.  
RGB 0. 152. 219.  
HEX #0098DB  
Pantone 2925 U

### TPS Red

CMYK 6. 100. 0. 26.  
RGB 175. 0. 110.  
HEX #Af006E  
Pantone 234 U

### TPS Teal

CMYK 100. 0. 30. 2.  
RGB 0. 154. 166.  
HEX #009AA6  
Pantone 320 U

### TPS Gold

CMYK 13. 19. 61. 30.  
RGB 180. 167. 108.  
HEX #B4A76C  
Pantone 4515 U

### TPS Purple

CMYK 63. 99. 9. 45.  
RGB 90. 36. 90.  
HEX #5A245A  
Pantone 261 U

### TPS Grey

CMYK 0. 0. 0. 60.  
RGB 112. 114. 119.  
HEX #707277  
Pantone 10 U

## 3.2 Colour misuse

**Using red or purple text on a dark blue background is difficult to read**

Do not use red or purple text on a dark blue background or dark image.

**Using dark blue text on a red or purple background is difficult to read**

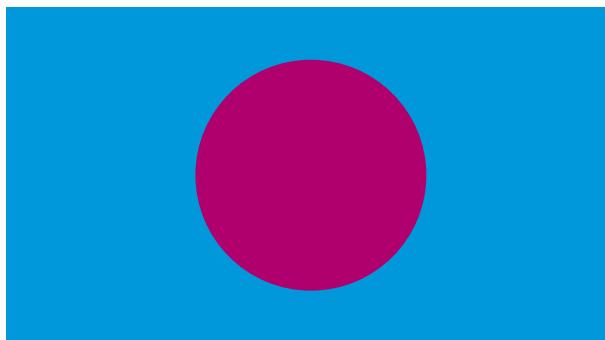
Do not use dark blue text on a red or purple background.

**Using coloured text on a Cyan background is difficult to read**

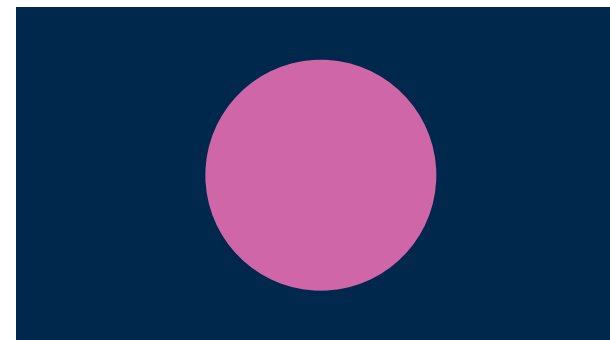
Only dark blue or white text should be used on the primary cyan colour. Never use any of the other brand colours.



Avoid using too many colours on the same page of a design. As a guide, use no more than three brand colours.



Do not use colour combinations that clash, strobe or have poor contrast.



Do not use tints of brand colours as a dominant colour in a design.

**For more information on accessibility and use of colour, please refer to the accessibility guidelines section on page 13.**





# 4

# Imagery

## 4.1 Imagery topics

Photography and illustration are key elements of The Physiological Society's brand and should emphasise the organisation's sense of purpose and expertise.

The chosen imagery should be impactful and eye-catching. This can be achieved through the subject matter, colour, depth of field or movement.

There are four themes for photography and illustration to reflect various aspects of The Physiological Society's work, these are:

### **Physiology in detail**

Communicating the depth and variety of physiological research. From individual cells and molecules to tissue and bone structures.

### **Physiology at work**

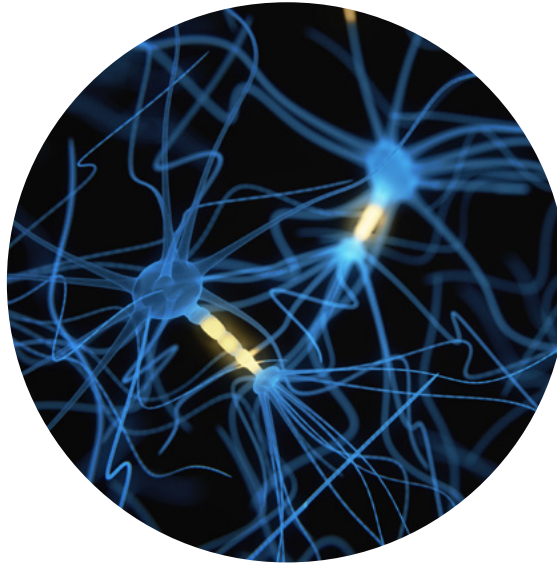
Illustrating the expertise and knowledge of the people and the work that goes into making The Society what it is.

### **Applications of physiology outside the lab**

Showing physiology in a context, how it impacts people's every day life and how it enables us to understand the body's function.

### **Network and collaboration**

Highlighting the community and collaborative aspects of the society as well as the interconnectivity of physiology.





## 4.2 Photography examples

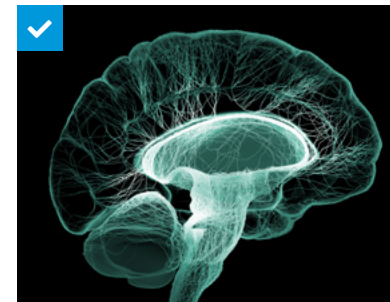
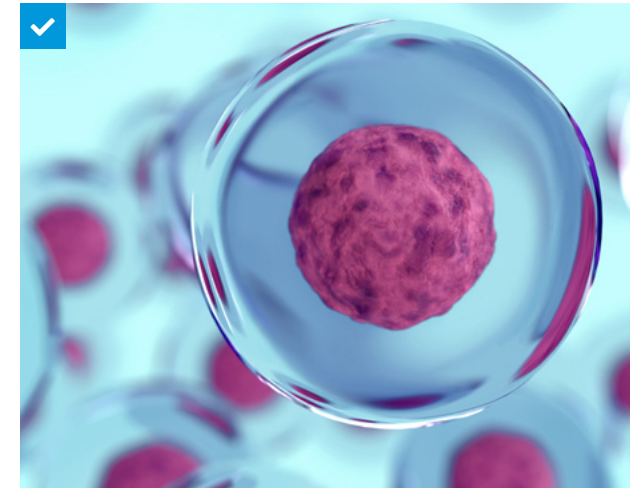
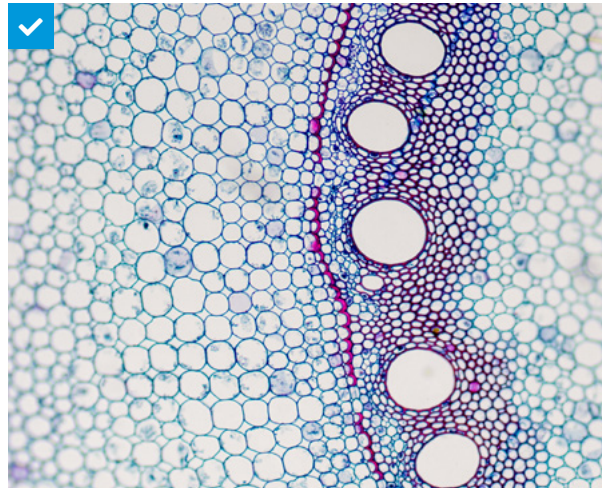
### Physiology in detail

#### Show

- ✓ Real scientific photos where possible that are relevant to the discipline
- ✓ High-quality rendered images when photography is not possible with real scientific grounding
- ✓ Rendered images with a consistent style
- ✓ A broad range of scientific images, from the microscopic to larger structures and organisms and across disciplines within physiology

#### Avoid

- ✗ Badly rendered images
- ✗ Images that look unscientific or unnatural
- ✗ Rendered images that have an inconsistent style
- ✗ Images that are scientific but are not relevant to the discipline for example plant physiology images



## 4.2 Photography examples

### Physiologists at work

#### Show

- ✓ A balance of age, gender, ethnicity and other protected characteristics
- ✓ Expertise and professionalism relevant to the discipline
- ✓ Settings that feel natural and real
- ✓ These can vary from shots of physiologists in their labs to those within their teaching environments
- ✓ A broad range of scientific work, from the microscopic to practical experiments
- ✓ A broad range of physiological disciplines
- ✓ Physiologists carrying out work or experiments alone and in collaboration

#### Avoid

- ✗ Images that feel fake or unrealistic for example, too futuristic
- ✗ Overuse of scientists in lab coats and clichéd actions such as examining vials of coloured liquid
- ✗ Cheesy stock images





## 4.2 Photography examples

### Applications of physiology outside the lab

#### Show

- ✓ Real images as opposed to stock photography where possible
- ✓ A balance of age, gender, ethnicity and other protected characteristics
- ✓ A balance of people with a range of fitness levels
- ✓ Settings and activities that feel natural and real
- ✓ Physiology in action
- ✓ A broad range of activities that show the different ways physiology impacts different parts of life

#### Avoid

- ✗ Cheesy stock images
- ✗ Images without backgrounds



## 4.2 Photography examples

### Network and collaboration

#### Show

- ✓ Real images as opposed to stock photography where possible
- ✓ A balance of age, gender, ethnicity and other protected characteristics
- ✓ Physiologists across different career stages and students
- ✓ Members networking and collaborating together
- ✓ Social and professional aspects of The Physiological Society
- ✓ Physiologists in an educator role

#### Avoid

- ✗ Images showing people looking bored or uninspired
- ✗ Images that look too posed or staged





## 4.3 Illustration examples

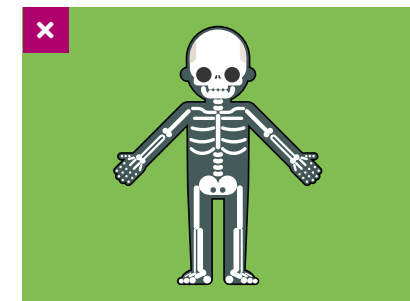
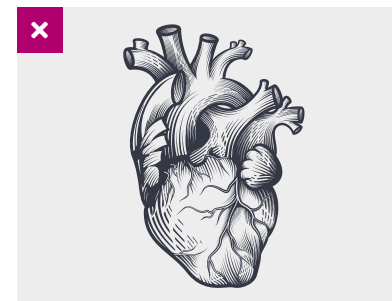
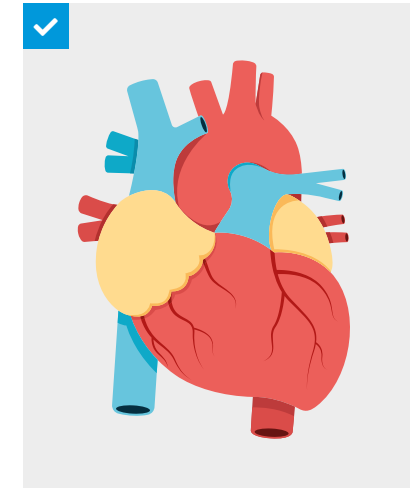
Illustration can also be used to reflect aspects of The Physiological Society's work.

### Show

- ✓ A balance of age, gender, ethnicity and other protected characteristics when showing people
- ✓ Scientifically and anatomically accurate illustrations when depicting physiological topics
- ✓ Brand colours within the illustrations or use colours that do not clash with our brand colours
- ✓ Simple flat illustration styles

### Avoid

- ✗ Illustrations that are too cartoony
- ✗ Illustrations in different styles
- ✗ Images that look unscientific or unnatural
- ✗ Colours that do not fit with our brand colours



# 5

## Design elements

## 5.1 Iconography

Icons are useful within The Physiological Society brand to add interest to designs, create infographics or illustrate concepts when space is limited. For consistency, icons should always be created in the following format.

- ✓ Icons should be constructed as a line drawing with a single line thickness
- ✓ All icons in a design should have equal line thickness. As a guide, icons on an A4 document should have a line thickness of 2mm
- ✓ Icons can use straight lines but must have rounded corners and line ends
- ✓ Keep the icons as simple as possible
- ✓ Icons should be produced in a single brand colour and white, or using the dark blue and another brand colour
- ✓ Icons can use colour fills to increase contrast if needed

### Do not

- ✗ Use multiple line thicknesses
- ✗ Create icons with square edges
- ✗ Create icons in different design styles and colours

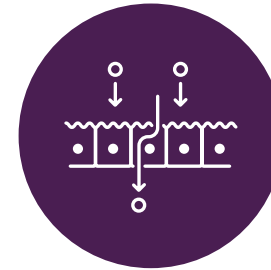
### Thematic icons



Cardiac & Vascular



Neuroscience



Epithelia & Membrane Transport



Human & Exercise



Endocrinology



Metabolic



Education & Teaching

### Incorrect styles



## 5.2 Graphs, charts and diagrams

When producing charts and diagrams keep the design as simple as possible to not detract from the data.

Charts should be created using our seven brand colours where possible. If there are more fields of data, or a single colour chart graphic is needed, tints of the brand colours should be used. If tints are used, use different increments and ensure that there is enough contrast between the different colours. Only after this should non brand colours be used.

Avoid placing similar colours next to each other in pie charts or bar charts.

**For more information on accessibility for graphs, charts and diagrams please refer to the accessibility guidelines section on page 13.**

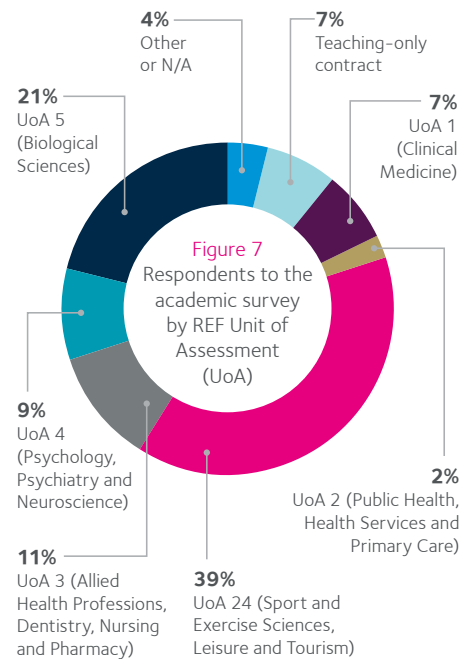
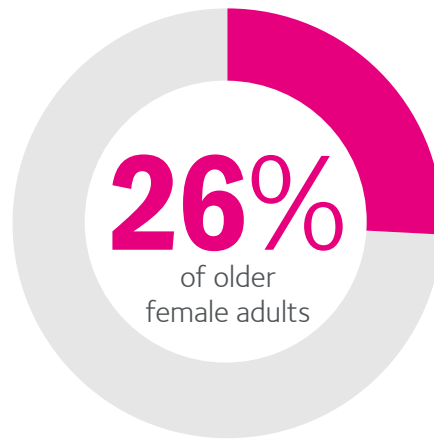


Figure 1 Overview of stakeholders involved in knowledge exchange (adapted from Public and Corporate Economic consultants)

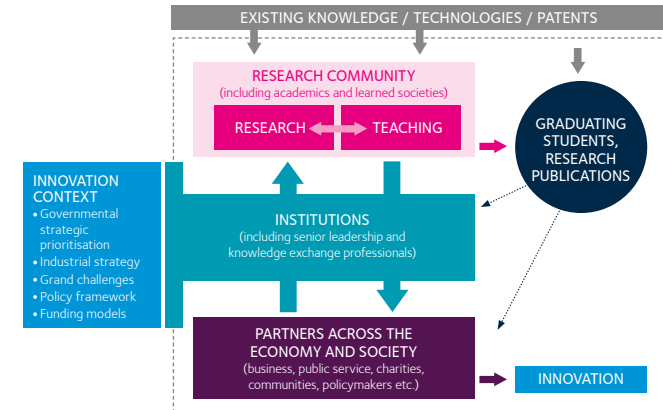
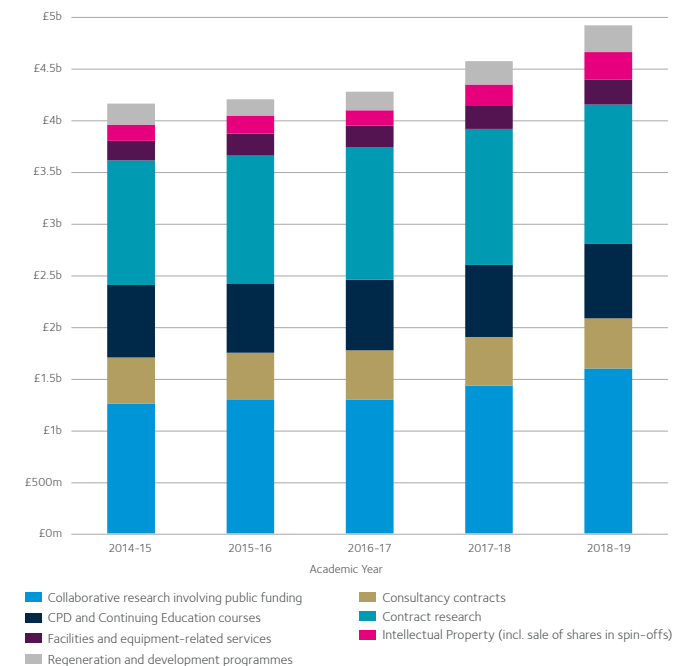


Figure 4 Total UK knowledge exchange cash terms income 2014-2019<sup>14</sup> (based on HE-BCI survey data)





## 5.3 Circular elements

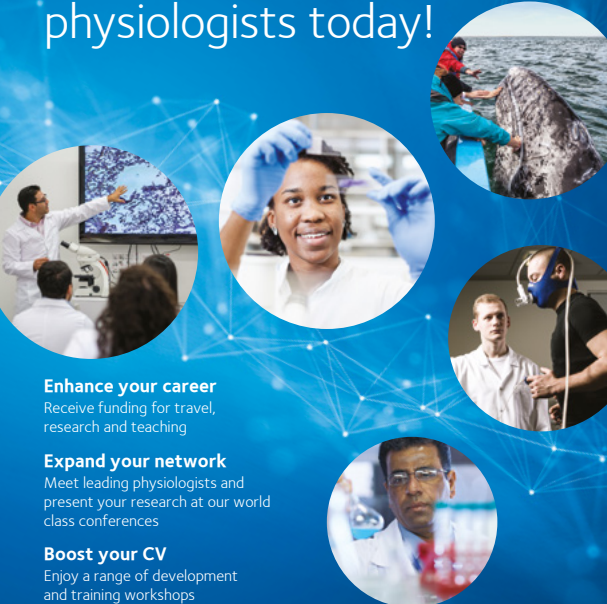
Circular elements are used in a number of different ways within The Physiological Society brand. The shape visually reflects the curves of the logo and allows for multiple pictures to be used on materials in a fluid way, without the design feeling blocky or rigid.

Circular elements can be used:

- To hold multiple photos on a spread
- To illustrate the interconnection of the different parts of physiology and The Physiological Society
- To include a combination of icons and words that highlight specific detail

Member

### Join our network of physiologists today!



**Enhance your career**  
Receive funding for travel, research and teaching

**Expand your network**  
Meet leading physiologists and present your research at our world class conferences

**Boost your CV**  
Enjoy a range of development and training workshops

**Keep up with cutting edge research**  
Free access to *The Journal of Physiology*, *Experimental Physiology* and *Physiological Reports*

The Physiological Society



**2-4 September 2019**  
Portland Building,  
University of  
Portsmouth, UK

### Extreme Environmental Physiology: Life at the Limits

### SOCIETY THEMES

Our Themes bring together physiologists from across the full breadth of the discipline.

**Join a Theme to:**

- Network with like-minded physiologists and forge new collaborations
- Stay up to date with the latest news and opportunities in your field
- Shape our future events and activities

Sign up today: [physoc.org/themes](https://physoc.org/themes)



The Physiological Society

### Europhysiology 2020

#### Join us in Berlin



Engage with cutting edge physiology

Present your work to over 1200 scientists

Expand your network and forge new collaborations



## 5.4 Network graphics

Abstract images of connected networks are used within the brand to depict the network aspect of The Physiological Society and the interconnection of the disciplines of physiology.

Used as backgrounds to materials, they also add interest and depth. Circular images can be overlaid on top, building into the network concept.

The network graphics should be selected or edited to appear in the brand colours.

Depending on suitability and design, these abstract networks can be photographic or illustrative.

Make sure that the network graphics always have an element of depth.





# 6

## Design examples

## 6.1 Adverts



**Join our network of physiologists today!**

Join The Physiological Society: [www.physoc.org/join](http://www.physoc.org/join)

- Enhance your career with our grants
- Forge new collaborations at our conferences
- Boost your CV with our workshops
- Be part of our neuroscience community with our dedicated webinars and meetings
- Keep up with cutting edge research with our journals and journal club

The Physiological Society

events@physoc.org  
+44 (0)20 72695710  
physoc.org

physoc  
@ThePhysoc  
the-physiological-society

PhysocTV  
@thephysoc



**HEAR THE LATEST RESEARCH ONLINE: OUR UPCOMING EVENTS**

Physiology of Obesity: From Mechanisms to Medicine  
Organised by **Pete Aldis**, University of Edinburgh, UK and **Jo Lewis**, University of Cambridge, UK

**Adipose Tissue in Metabolic Physiology**  
Tuesday 6 October, 14:00 – 15:00 BST

**Muscle Physiology in Obesity**  
Tuesday 13 October, 14:00 – 15:00 BST

**Cardiometabolic Dysfunction in Obesity**  
Tuesday 20 October, 14:00 – 15:00 BST

**R Jean Barstow Prize Lecture 2019**  
Mind Affects Matter: Brainstem Circuits Linking Stress, Physiology, and Behaviour  
**Marie Holt**, Florida State University, USA  
Tuesday 17 November, 15:00 – 16:00 GMT

**GI Brown Prize Lecture 2019-2020**  
Healing Tiny Hearts Across Generations  
**Dina A. Giussani**, University of Cambridge, UK  
Thursday 3 December, 15:00 – 16:00 GMT

Register for free now and see the full programme [www.physoc.org/events](http://www.physoc.org/events)

The Physiological Society



**COVID-19: Lessons Learned from the Frontline**

14 - 16 DECEMBER 2020 VIRTUAL CONFERENCE

Bringing together physiologists and critical care specialists, this conference will review the challenges of understanding the pathophysiological changes occurring throughout the body following COVID-19 infection.

**CPD accredited event**  
10.5 CPD points from the Royal College of Anaesthetists

**Organised by:**  
**Susan Deuchars**, University of Leeds, UK  
**Steve Mathieu**, Queen Alexandra Hospital, Portsmouth, UK  
**Hugh Montgomery**, University College London, UK  
**Mike Tipton**, University of Portsmouth, UK

**Register by Monday 7 December 2020 at 23:59 GMT** [physoc.org/covidconference](http://physoc.org/covidconference)

**Satellite session**  
COVID-19 and Mental Health: Exploring the Impact on Academics

In partnership with  
Intensive care society

The Physiological Society

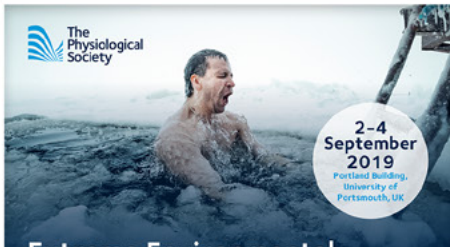
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## 6.2 Suite of materials



**The Physiological Society**


**2-4 September 2019**  
Portland Building, University of Portsmouth, UK

### Extreme Environmental Physiology: Life at the Limits

Explore how our physiology allows us to visit other worlds, climb the highest mountains and swim in Arctic waters

**Organised by:**  
Mike Tipton, University of Portsmouth, UK



**Speakers include:**  
Chris Ingray, University Hospitals Coventry and Warwickshire (UHCW) NHS Trust, UK  
Dominic McCafferty, University of Glasgow, UK  
Kevin Fong, University College Hospital, UK  
Thu Jennifer Ngo-Anh, European Space Agency, France  
Lucy Hawkes, University of Exeter, UK  
Hugh Montgomery, University College London, UK



**Abstract submission deadline: 12 July 2019**  
Register now: [www.physoc.org/extremephysiology](http://www.physoc.org/extremephysiology)




### Extreme Environmental Physiology: Life at the Limits

**The Physiological Society**

**2-4 September 2019**  
Portland Building, University of Portsmouth




**The Physiological Society**

**2-4 September 2019**  
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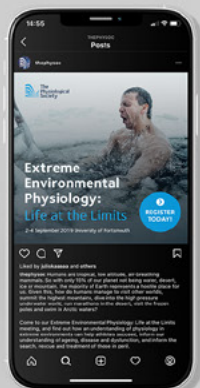
### Extreme Environmental Physiology: Life at the Limits

Explore how our physiology allows us to visit other worlds, climb the highest mountains and swim in Arctic waters.



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**The Physiological Society**

Extreme Environmental Physiology: Life at the Limits  
2-4 September 2019  
Portland Building, University of Portsmouth, UK

How do we improve the performance of athletes, learn from other animals and help patients survive against the odds?

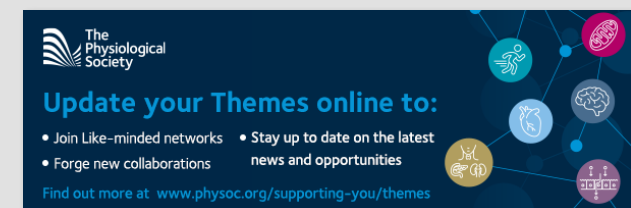
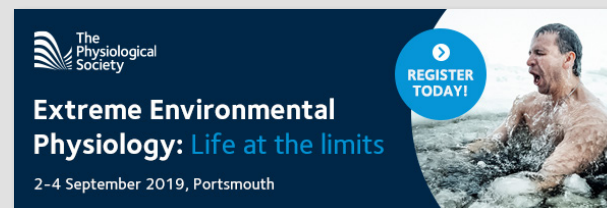
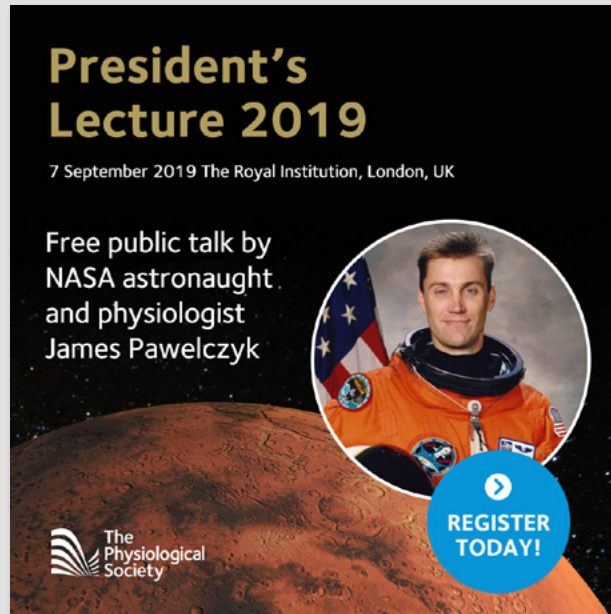


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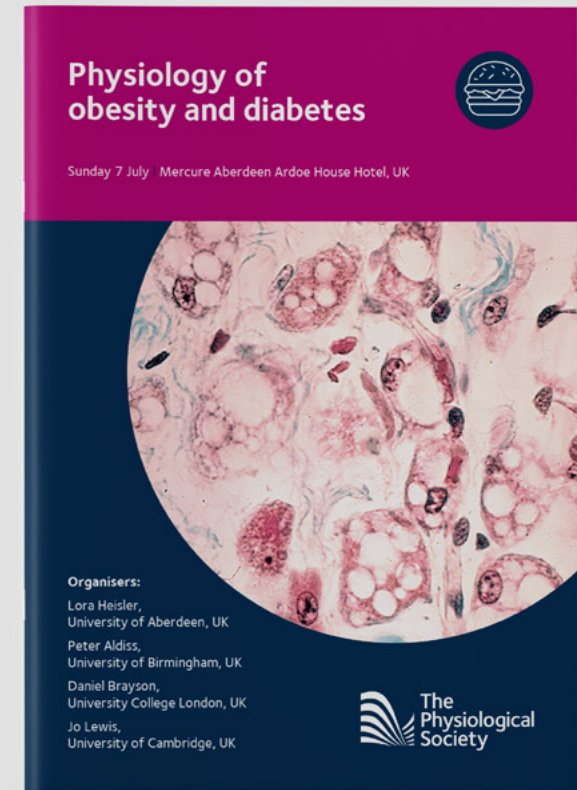
Our events expand your network by bringing together physiologists from around the world

## 6.3 Social media adverts and email footers





## 6.4 Report and programme covers



## 6.4 Report and programme covers





## 6.5 Report page design

TRANSLATING UK KNOWLEDGE AND RESEARCH INTO IMPACT

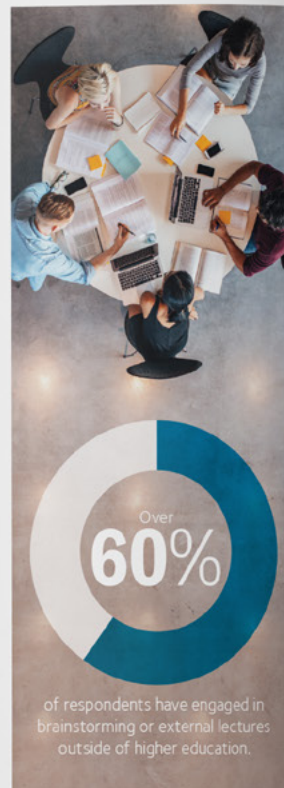
This collaboration is seldom exclusively driven by financial gain. Physiologists are motivated to engage in knowledge exchange because it provides new insights into their research (55%) and furthers their institution's mission (44%) far more than because it provides the potential for personal income (13%).

However, physiologists report (53%) that it is a challenge to balance their wider workload in order to engage further with public and private organisations in demand of their knowledge and skills. There is some difficulty in identifying the best partners to work with (34%), and this report makes recommendations to improve this. Cultural differences between academia and external partners, however, were not a particular concern (6%).

“We found that physiologists are very active across the spectrum of knowledge exchange activities. Over half of respondents have produced joint publications with external partners in the last 3 years.”

Technology transfer is a subset of knowledge exchange, which includes some of the more formal and more traditionally understood interactions such as licensing patented inventions and the creation of new enterprises – spin-offs – from academic discoveries. Again, we see that physiologists compare favourably with the wider picture of UK technology transfer, although it is to be expected that a lower proportion of individuals report these activities. Around 8% of physiologists report patenting an invention compared with 6% of the wider group surveyed in 2015; 4% of our respondents had licensed research outputs to a company compared with 3% in the Hughes 2015 survey sample.

Excitingly, nearly 60% of physiologists report that knowledge exchange activity has led directly to new research projects – a similar proportion to that seen in the Hughes 2015 survey. However, several other categories (such as reputation enhancement and improving teaching material) show that physiologists



perceive fewer immediate benefits than other disciplines, which merits further investigation.

Throughout the report, we highlight a range of case studies in order to showcase how the knowledge exchange carried out by physiologists benefits and improves health, life and wealth in the UK and beyond.

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PHYSIOLOGY AND KNOWLEDGE EXCHANGE

## RECOMMENDATIONS

The knowledge exchange ecosystem depends on interactions between the **research community** (including academics and learned societies etc.), **institutions** (including senior leadership and knowledge exchange professionals) and **partners across the economy and society**. This is set within an **innovation context** that is shaped by overarching policies such as funding models and government priorities. This report aims to maximise the contribution of physiology to knowledge exchange and address barriers by making 12 recommendations across the 4 elements of the ecosystem.

### Make the UK the best place in the world to conduct, commercialise and benefit from healthy ageing research

#### Innovation context

**1** The UK Government, through the Department for Business, Energy & Industrial Strategy, the Department for International Trade and UK Research and Innovation (UKRI), should invest in establishing a Global Coordinating Centre for Healthy Ageing Research and Development to focus on identifying world-class productive knowledge exchange between academia and public and private sectors to meet the objectives of the Industrial Strategy Healthy Ageing Grand Challenge.

This will ensure the UK becomes the international partner of choice for academic discovery through to the commercialisation of the innovative new products and services that will flow. This will fully realise the benefits from the UK's world-leading physiology research into the mechanisms underpinning ageing and knowledge exchange in the area. It will promote opportunities for physiologists to engage with global networks to address shared challenges, attract further investment and talent, and increase productivity in the UK health economy.

#### Innovation context

**2** The UK Government and devolved administrations should increase investment for knowledge exchange between now and 2024 through Higher Education Innovation Fund (HEIF) allocations and devolved equivalents in other parts of the UK, in line with the commitment to increase R&D funding.

#### Research community

**3** The Physiological Society should work with the Centre for Ageing Better, a recognised Cabinet Office "What Works Centre", to place physiological research at the heart of the evidence base for public health policy around ageing.

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6.5 Report page design



## 6.5 Report page design

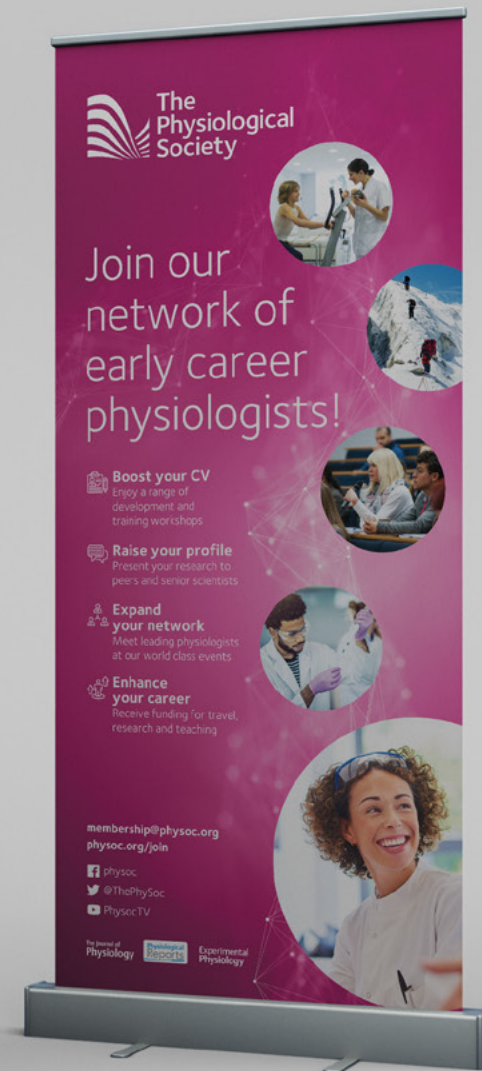




## 6.5 Report page design



## 6.6 Pop up banners





6.7 Brand stretch – Children’s activity booklet





## 6.7 Brand stretch – Biobakes Fundraising and Outreach grants



# Apply for an Outreach Grant

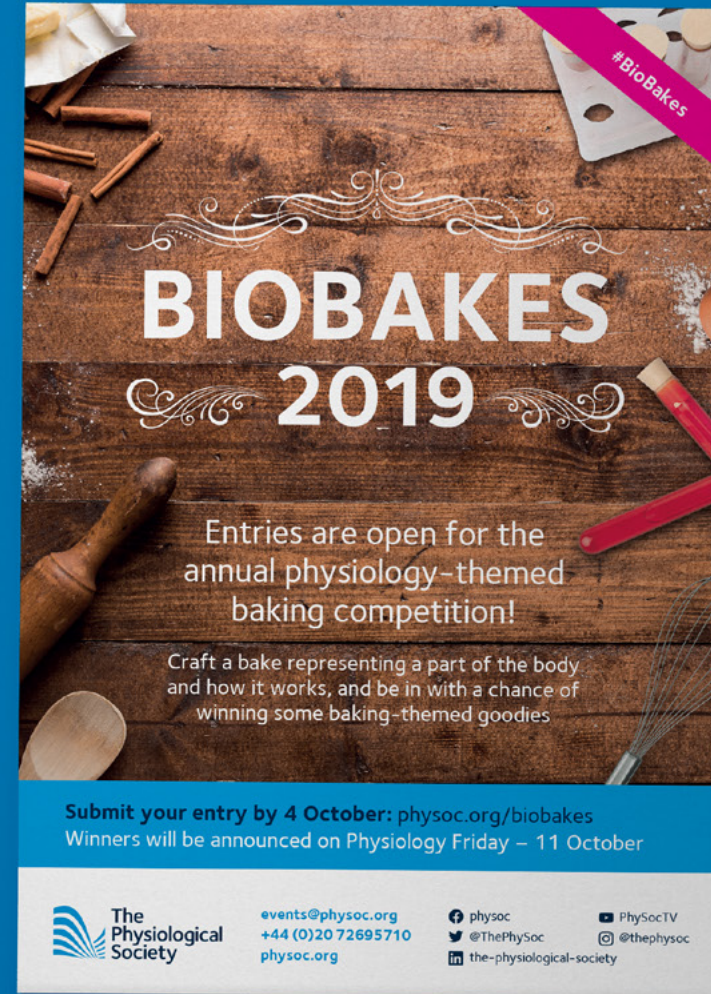
Funding of **up to £20,000** is available for projects that aim to increase understanding and awareness of physiology among schools and the public.

Applications are open to members and non-members. Collaborations with science communicators are encouraged.

**When can I apply?**  
 Small outreach grants up to £500: **Apply anytime**  
 Large outreach grants up to £20,000: **Applications close 31 January 2021**

Start your application today:  
[www.physoc.org/outreach-grants](http://www.physoc.org/outreach-grants)

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# BIOBAKES 2019

Entries are open for the annual physiology-themed baking competition!

Craft a bake representing a part of the body and how it works, and be in with a chance of winning some baking-themed goodies

**Submit your entry by 4 October:** [physoc.org/biobakes](http://physoc.org/biobakes)  
 Winners will be announced on Physiology Friday – 11 October

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# Checklist

## 7.1 Visual checklist

Use this checklist to help you ensure that the brand guidelines have been followed correctly.

- ☐ The logo choice is correct, and it has been positioned correctly.
- ☐ The imagery used is on-brand and fits with the key categories.
- ☐ The correct font has been used and applied to deliver visual impact.
- ☐ The correct colour palette has been used.
- ☐ The visual style has been creatively used and applied.
- ☐ The icons used follow the brand style.
- ☐ The accessibility guidelines have been followed.
- ☐ Sign off has been obtained from Head of Policy and Communications.