

# DanbeeKim, PhD

Author | Field Neuroscientist | Teacher



## RELEVANT EXPERIENCE

### Commitment to the 3Rs:

- Organised outreach events and wrote meeting minutes for NC3Rs Working group at Sainsbury Wellcome Centre (SWC) for Neural Circuits and Behaviour (July 2017 to July 2019)
- Wrote popular science article "Why I refuse to do animal testing in my science career" (*Massive Science*, 18 June 2018)
- Wrote and regularly update a section of personal website about my scientific philosophy and ethics: <http://www.danbeekim.org/open-lab-notebook/scientific-philosophy-ethics/>

### Science writing for a variety of audiences:

- Certified Science Storyteller for *Massive Science* (2017 to present)
- Wrote and self-published an original young adult science fiction story based on PhD research called *The First VIRS* (2020)
- Guest writer for *Architectural Design* (2020)
- Guest writer for *BioTechniques* (2022 to present)
- Guest writer for *Vector*, the critical journal of the British Science Fiction Association (forthcoming, 2022)
- Contributing neuroscience writer for *The Craftivist Collective Handbook* (forthcoming, 2023)

### Communicating with a wide range of stakeholders:

- Junior and senior academic researchers, administrators, health-care professionals, external funders, performance artists, expert hand crafters, illustrators, publishers, journalists, activists, educators, parents, local communities, and school-aged students

### Organising science outreach and engagement projects:

- Prepared and delivered science and engineering curriculum for multi-age (8-18 years old) classrooms at the Appalachian Institute for Creative Learning (2010 to present)
- Successfully launched an interactive exhibit at Sea Life Brighton that made neuroscience accessible to visitors of all ages and in 5 different languages (2017 to 2020)
- Project managed and fundraised for Dear Neuroscience, a series of events focused on finding common ground between neuroscience research perspectives and the lived experiences of artists, crafters, parents, and educators (2018 to present)
- Collaboratively developed and taught for annual hands-on field neuroscience and robotics summer camps for 14-16 year olds in Portugal and the UK (2019 to present)
- Developed an online course that combines field neuroscience theory with speculative fiction and collective improvisational storytelling (2021 to present)

### Developing digital resources and communications assets:

- Created online communications and internal coordination strategies for NeuroGEARS Ltd (2021 to present)
- Improved processes for online community engagement and contributions to documentation for the open source software Bonsai-Rx (2021 to present)
- Created custom online infrastructure for re-creating the in-person AICL summer enrichment camp experience during 2020 lockdown
- Translated neuroscience curriculum into online coursework and organised online classroom experience for remote edition of Neuronautas (2021)
- Updated and re-designed website and online student showcase for Neuronautas (2021)

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## TRAINING IN SCIENCE COMMUNICATION

### Science Filmmaking Course by Blue Fire Films

A 3-day intensive course on science documentary film-making taught by Dr. George Chan. Includes theoretical and practical training in pre-production, production, and post-production tools and skills

### UCL Train & Engage Program

A series of interactive sessions tailored to support UCL postgraduate research students interested in developing and applying their public engagement knowledge and skills

## SKILLS

### Digital tools:

- Microsoft Office Suite (Word, Excel, Powerpoint)
- Adobe Creative Cloud (Illustrator, Photoshop, Premier Pro)
- Social media: Discord, Instagram, Kickstarter, Patreon, Twitter, YouTube
- Online collaboration: Github, Google Workspace, Overleaf, Slack, Teams, Zoom
- Web Development: Github Pages, HTML, CSS, WordPress
- Programming languages: Python, LaTeX, Bonsai-Rx

### Writing and editing:

- Excellent attention to detail and accuracy, e.g. doctoral dissertation accepted on first submission with zero corrections
- Able to write reports and successful funding applications, e.g. successfully applied to UCL Train & Engage funding and wrote an impact report when funding period ended

### Communication:

- Able to create compelling and accessible audio-visual media, e.g. animated and narrated a video explaining the research goals and interests of my PhD research group using only the top "ten-hundred" words in English
- Excellent oral communication skills and confident presenter, e.g. developed and performed live presentations that made news-worthy science and technology topics accessible to visitors at the Boston Museum of Science (2011 to 2012)

### Organisation and prioritisation:

- Able to work under pressure and meet tight deadlines, e.g. PhD submission and defense

## EDUCATION

### Ph.D. in Neuroscience

2013 to 2020

International Neuroscience Doctoral Programme, Champalimaud Center for the Unknown

Thesis: *"On the aims and methods of Field Neuroscience: Non-invasive techniques for studying nervous systems in natural settings"*

### B.Sc. in Brain and Cognitive Sciences

2005 to 2009

Massachusetts Institute of Technology