

# DanbeeKim, PhD

Author | Field Neuroscientist | Teacher



## RELEVANT EXPERIENCE

### Organising science outreach and engagement experiences:

- Coordinated with Sea Life Brighton staff, external contractors, and internal team members to create, install, host, and automate an interactive exhibit that made neuroscience accessible to visitors of all ages and in 5 different languages (2017 to 2020)
- Successfully applied for funding, recruited co-creators, hired a videographer, wrote impact reports, and presented live interpretations for "Dear Neuroscience: Touch and Proprioception with circus arts and hand crafts" (2019)
- Originated, co-organised, and presented at "Orchestrating the Brain: A collaborative workshop of musicians and neuroscientists" (2018)
- Recruited guest speakers and coordinated guest logistics for the Women in Science event at the Boston Museum of Science (2012)
- Developed an online course that combines field neuroscience theory with speculative fiction and collective improvisational storytelling (2021 to present)
- Collaboratively developed, fundraised, advertised, and taught annual hands-on field neuroscience and robotics camps for 14-16 year olds in Portugal and the UK (2019 to present)
- 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)

### Project management:

- Liaised with illustrators, editors, beta-readers, funders, and a printing company to self-publish an original young adult science fiction story based on PhD research called *The First VIRS* (2020)
- Contacted venues, negotiated payment, audio-recorded live shows, managed PR, and handled merchandise creation and sales for jazz-funk band Scubaphone (2014 to 2016)
- Co-wrote script and lyrics, and collaborated with MIT administration, teachers, and students to create an original musical about culture and life at the MIT. Successfully pitched the musical and choreographed original dance and stage combat sequences for production by the MIT Musical Theater Guild (2012)

### 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

### 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 Portugal (2021)
- Updated and re-designed website for Neuronautas Portugal (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. vocal coach and performer for the MIT Musical Theater Guild

### Organisation and prioritisation:

- Able to work under pressure and meet tight deadlines, e.g. developed and performed new live interpretations on a strict 3-week cycle at Boston Museum of Science (2011 to 2012)

## 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