

DanbeeKim, PhD

Author | Field Neuroscientist | Teacher

CONTACT

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EDUCATION

B.Sc. Brain and Cognitive Science
Massachusetts Institute of Technology

Ph.D. in Neuroscience

Champalimaud Center for the Unknown

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

SELECT PUBLICATIONS

Danbee Kim. "Are cephalopods making a comeback in neuroscience?". *BioTechniques*. 22 Jun 2022.

Danbee Kim, Kendra Buresch, Roger Hanlon, Adam R. Kampff. "An experimental method for evoking and characterizing dynamic color patterning of cuttlefish during prey capture". *Journal of Biological Methods*, 9.2 (2022):e161. DOI: 10.14440/jbm.2022.386.

Danbee Kim. *The First VIRS*. London; 2020.

Danbee Kim, Adam R. Kampff. "Neuroscience Does Design: What the Brain's Architecture Can Teach Architects". *Architectural Design*, 90.6 (2020): 94-99. DOI: 10.1002/ad.2637.

Danbee Kim. "Why I refuse to do animal testing in my science career". *Massive Science*. June 18, 2018.

AWARDS

SWC Public Engagement Fund (Feb 2019)
UCL Train & Engage (July 2018)

COMPUTER SKILLS

Microsoft Office Suite, Adobe Creative Cloud, Bonsai-Rx, Github, LaTeX, Python

MOVEMENT ARTS

capoeira, fire spinning, musical theater

INSTRUMENTS

bass guitar, ukelele, violin, vocals

REFERENCES

available upon request

WORK EXPERIENCE

NeuroGEARS Ltd

Research and Outreach Scientist

London, UK
2021 to present

- Defined and delivered the structure and **scientific content of NeuroGEARS' research and outreach activities**
- Establish and nurtured collaborations with external **partners who bridge across traditional boundaries of expertise**

Neuronautas

Organiser and Teacher

Lisbon, Portugal
2019 to present

- Collaboratively developed and delivered an **annual hands-on neuroscience and robotics camp** for 14-16 year olds
- Developed and delivered a course for 2021 edition that **combined neuroscience theory with speculative fiction and collective improvisational storytelling**
- Translated neuroscience curriculum into online coursework
- Organised online classroom experience for remote edition in 2021
- Updated and re-designed website** and online student showcase

Sainsbury Wellcome Centre

Visiting PhD Researcher

London, UK
2016 to 2019

- Originated, project managed, and published non-invasive behavioural neuroscience research as part of PhD thesis work
- Originated, project managed, and presented at **"Dear Neuroscience: Touch and Proprioception with circus arts and hand crafts"** (24 May 2019)
- Originated, co-organised, and presented at **"Orchestrating the Brain: A collaborative workshop of musicians and neuroscientists"** (31 May 2018)
- Member of **SWC NC3Rs Working group** from July 2017 to July 2019
- Member of **SWC Public Engagement Network** from Jan 2016 to July 2019
- Student Representative on SWC Staff Student Consultative Committee from Oct 2017 to Oct 2018
- Social Chair on SWC-Gatsby PhD Society from May 2018 to May 2019

Appalachian Institute for Creative Learning

Teacher, Staff, Board member

Mars Hill, USA
2010 to present

- Created custom online infrastructure** for re-creating the summer camp experience during 2020 lock-down
- Prepared and delivered curriculum in **multi-age (8-18 years old) classrooms**: Neural Cell Diversity, Fermentation Fun, Ropework & Knots, Jigger, Quidditch
- Served as a Board member since 2020: **Strategic Development, Fundraising, and Alumni Relations committees**

Hack, Punt, Tool: The Musical

Co-writer, Choreographer

Cambridge, USA
2011 to 2013

- Co-wrote book and lyrics for an original musical about culture and life at the Massachusetts Institute of Technology (MIT)
- Collaborated with MIT administration, teachers, and students to create a work that has a significant positive impact on the MIT community**
- Successfully pitched the musical for production by the MIT Musical Theater Guild (MTG)
- Choreographed original dance and stage combat sequences for MIT MTG production in Jan 2012
- Assisted in recording and mastering an original cast recording released in Sept 2012

Museum of Science

Current Science & Tech Education Associate

Boston, USA
2011 to 2012

- Developed and performed live presentations on news-worthy science and technology topics** on main museum floor: Race for Rare Earth Elements, The Fuss about Fracking, Tiny Tattoo Tech, 3D Transistors, Devastating Tornadoes