Michael Beyeler

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ACADEMIC APPOINTMENTS

- **Assistant Professor** · Computer Science (CS) · Psychological & Brain Sciences (PBS) 2019 – present
  Associate Director · Research Center for Virtual Environments and Behavior (ReCVEB)
  University of California, Santa Barbara (UCSB)
- **Postdoctoral Fellow** · Psychology · Institute for Neuroengineering · eScience Institute 2016 – 2019
  University of Washington (UW)

EDUCATION

- **PhD in Computer Science** · Specialization in Computational Neuroscience 2012 – 2016
  University of California, Irvine (UCI)
  Dissertation: Cortical neural network models of visual motion perception for decision-making and reactive navigation, May 2016. Committee: JL Krichmar (chair), N Dutt (co-chair), C Fowlkes
- **MS in Biomedical Engineering** · Focus on Bioelectronics 2009 – 2011
  ETH Zurich, Switzerland
- **BS in Electrical Engineering** · Major in Micro- and Optoelectronics 2005 – 2009
  ETH Zurich, Switzerland

HONORS & AWARDS

Major Fellowships, Honors & Awards

- K99/R00 Pathway to Independence Award: *National Institutes of Health (NIH)* 2018
- Innovation in Neuroengineering & Data Science Postdoctoral Fellowship: *Gordon & Betty Moore Foundation, Alfred P. Sloan Foundation, Washington Research Foundation (WRF)* 2016
- Chair's Fellowship for Outstanding PhD Applicants: *UCI* 2012

Best Paper Award Nominations

- Honorable Mention Award (top 4%): C9, *Augmented Humans (AH)* 2021
- Best Student Paper Nominee: C6, *IEEE International Joint Conference on Neural Networks (IJCNN)* 2018
- Best Student Paper Nominee: C1, *IEEE Biomedical Circuits & Systems Conference (BioCAS)* 2010

Other Conference Awards

- Abstract of Distinction (top 3%): A34, *Association for Research in Vision & Ophthalmology (ARVO)* 2020
- Best Poster Award: A19, *Eye & Chip World Congress on Artificial Vision* 2017
- Presenter's Travel Award, A15: *Computational & Systems Neuroscience (COSYNE)* 2017
- Best Workshop Talk Award: A6, *IEEE International Conference on Robotics & Automation (ICRA)* 2014

Other Academic Awards

- Finalist: Postdoc Mentoring Award, *UW* 2019
- Travel Award: CSHL Computational Neuroscience–Vision, *Helmsley Charitable Trust* 2018

MENTEE HONORS & AWARDS

Graduate Students

- Justin Kasowski: Dynamical Neuroscience (DYNS) Fellowship & Summer Stipend, *UCSB* 2020
- Ezgi I. Yücel: Innovation in Neuroengineering Graduate Fellowship, *WRF* 2017

Undergraduate Students

- Jon Luntzel: Innovation in Neuroengineering Undergraduate Fellowship, *WRF* 2019

RESEARCH GRANTS & OTHER SUPPORT

Total: $1.71m, as PI: $1.45m

Active Funding

- R01 NS121919: Cortical visual processing for navigation, *NIH*. 2021 – present
  S Smith, PI; M Goard, Co-PI; C Niell, Co-PI; **M Beyeler, Co-I.** ($718,387)
- K99/R00 EY029329: Virtual prototyping for retinal prosthesis patients, *NIH*. 2018 – present
  M Beyeler, PI. ($968,319)
- An inaugural data science summit at UCSB, *Academic Data Science Alliance (ADSA)* 2021
  A Franks, PI; A Horst, Co-PI; **M Beyeler, Co-PI**. ($9,258)
- Eye tracking in immersive virtual environments, *UCSB Academic Senate Research Faculty Grant*. M Hegarty, PI; **M Beyeler, Co-PI**. ($5,099) 2020 – 2021

Completed Funding

- Cloud Credits for Research, *Amazon Web Services (AWS)* ($10,000) 2017

ACADEMIC MENTORING

PhD Advisees · Chair *Total: 4*

- Byron Johnson, PBS, *UCSB* (co-chair: Miguel Eckstein, PBS) 2020 – present
- Jacob Granley, CS, *UCSB* 2020 – present
- Aiwen Xu, CS, *UCSB* 2020 – present
- Justin Kasowski, DYNS, *UCSB* 2019 – present

PhD Advisees · Candidacy Committee Member *Total: 3*

- Sudhanshu Srivastava, DYNS, *UCSB* 2021
- Wenrui Zhang, ECE, *UCSB* 2021
- Kexin Chen, Cognitive Sciences, *UCI* 2020

MS Advisees *Total: 2*

- Ziming Qi, CE, *UCSB* 2020 – present
- Zuying (Collin) Hu, CS, *UCSB* 2020

Undergraduate Honor Advisees *Total: 2*

- Rachel Mochizuki, PBS Honors Program, *UCSB* 2021
- Nathan Wu, CS Distinction in the Major Program (DIMAP), *UCSB* 2021

UC LEADS Mentorship Program Advisees *Total: 1*

- Kha Nguyen, BS Student, Bioengineering, *University of California, San Diego (UCSD)* Summer 2020

High School Mentorship Program Advisees *Total: 2*

- Ethan Gao, UCSB Research Mentorship Program, *Ojai Valley School* Summer 2020
- Versha Rohatgi, UCSB Research Mentorship Program, *Mountain View High School* Summer 2020

ACADEMIC SERVICE

University Committees

· Postdoctoral Representative: Research Advisory Board, *UW* 2017 – 2019

Departmental Committees

· Member: Academic Senate Committee, *Computer Science, UCSB* 2020 – present
· Public Relations Committee, *Computer Science, UCSB* 2019 – present
- Co-chair, 2020 – present
- Member, 2019 – 2020
· Member: Graduate Admission Committee, *Computer Science, UCSB* 2019 – 2020

Institutional Working Groups

· Member: Neuroinformatics Special Interest Group, *eScience Institute & UWIN, UW* 2017 – 2019
· Member: Reproducibility Working Group, *eScience Institute, UW* 2016 – 2018

Conference Program Committees

· Session Chair: Neuroscience, *Scientific Computing with Python (SciPy)* 2017

Conference Workshops

· Co-organizer: Recent Computational Advances in Neuroengineering, *Computational & Systems Neuroscience (COSYNE)* 2018

Editorial Boards

· Review Editor: *Frontiers in Human Neuroscience* 2020 – present
· Review Editor: *Frontiers in Neurorobotics* 2017 – 2020

Ad-Hoc Reviewing · Grants

· Early Career Reviewer (ECR), ZRG1 ETTN-P (81), *NIH* 2021

Ad-Hoc Reviewing · Conferences

2020, 2021 ACM Conference on Human Factors in Computing Systems (CHI) · 2017, 2018, 2020 Computational & Systems Neuroscience (COSYNE) · 2020, 2021 IEEE Conference on Virtual Reality and 3D User Interfaces (VR) · 2015 IEEE International Conference on Intelligent Robots & Systems (IROS) · 2014 IEEE International Conference on Robotics & Automation (ICRA) · 2014 IEEE International Symposium on Circuits & Systems (ISCAS) · 2019, 2020 Medical Image Computing & Computer Assisted Intervention (MICCAI) · 2019 Diversity in STEM (SACNAS) · 2017 Scientific Computing with Python (SciPy)

Ad-Hoc Reviewing · Journals

publons.com/researcher/1188259/michael-beyeler

1x ACM Journal on Emerging Technologies in Computing Systems (JETC) · 1x Cognitive Neurodynamics · 6x Frontiers in Neurorobotics · 1x Frontiers in Human Neuroscience · 3x Frontiers in Neuroscience · 1x IEEE Transactions on Cognitive and Developmental Systems (TCDS) · 5x IEEE Transactions on Cybernetics · 8x IEEE Transactions on Neural Networks & Learning Systems (TNNLS) · 1x Journal of Computational Neuroscience (JCNS) · 11x Journal of Neural Engineering · 1x Journal of Neuroscience · 3x Journal of Vision · 6x Neural Networks · 1x Neurocomputing · 2x PLoS Computational Biology · 4x PLoS ONE · 1x Restorative Neurology & Neuroscience · 1x Sensors · 1x Vision Research

PUBLICATIONS

scholar.google.com/citations?user=dK-0kG4AAAAJ

Note that in many areas of computer science, *conferences* are the primary venue for peer-reviewed publications, with selectivity and impact often exceeding that of journals (Chen & Konstan, 2010). The opposite is true in neuroscience. Legend: [•] equal contribution, [ⓘ] invited publication, [®] review/survey article

Refereed Journal Articles

J9 BW Brunton, **M Beyeler** (2019). Data-driven models in human neuroscience and neuroengineering[ⓘ®]. *Current Opinion in Neurobiology* 58: 21–29.

J8 **M Beyeler**, D Nanduri, JD Weiland, A Rokem, GM Boynton, I Fine (2019). A model of ganglion axon pathways accounts for percepts elicited by retinal implants. *Scientific Reports* 9(1):9199. [Code] [Data]

J7 **M Beyeler** (2019). Commentary: Detailed visual cortical responses generated by retinal sheet transplants in rats with severe retinal degeneration. *Frontiers in Neuroscience* 13: 471.

J6 **M Beyeler**[•], EL Rounds[•], KD Carlson, N Dutt, JL Krichmar (2019). Neural correlates of sparse coding and dimensionality reduction[®]. *PLOS Computational Biology* 15(6):e1006908.

J5 **M Beyeler**, A Rokem, GM Boynton, I Fine (2017). Learning to see again: Biological constraints on cortical plasticity and the implications for sight restoration technologies[®]. *Journal of Neural Engineering* 14(5). **Featured cover article.**

J4 **M Beyeler**, N Dutt, JL Krichmar (2016). 3D visual response properties of MSTd emerge from an efficient, sparse population code. *Journal of Neuroscience* 36(32): 8399–8415.

J3 **M Beyeler**, N Oros, N Dutt, JL Krichmar (2015). A GPU-accelerated cortical neural network model for visually guided robot navigation. *Neural Networks* 72: 75–87.

J2 **M Beyeler**, M Richert, ND Dutt, JL Krichmar (2014). Efficient spiking neural network model of pattern motion selectivity in visual cortex. *Neuroinformatics*, 1–20.

J1 **M Beyeler**, ND Dutt, JL Krichmar (2013). Categorization and decision-making in a neurobiologically plausible spiking network using a STDP-like learning rule. *Neural Networks* 48C: 109–124.

Refereed Conference Publications

C10 Z Hu, **M Beyeler** (2021). Explainable AI for retinal prostheses: Predicting electrode deactivation from routine clinical measures. *IEEE EMBS Conference on Neural Engineering (NER)*, online.

C9 N Han, S Srivastava[•], A Xu[•], D Klein, **M Beyeler** (2021). Deep learning–based scene simplification for bionic vision. *Augmented Humans (AH)*, online. **Honorable Mention Award (top 4 %).**

C8 **M Beyeler**, GM Boynton, I Fine, A Rokem (2019). Model-based recommendations for optimal surgical placement of epiretinal implants. *Medical Image Computing & Computer Assisted Intervention (MICCAI)*, Shenzhen, China.

C7 **M Beyeler** (2019). Biophysical model of axonal stimulation in epiretinal visual prostheses. *IEEE EMBS Conference on Neural Engineering (NER)*, San Francisco, CA.

C6 T-S Chou[•], HJ Kashyap[•], J Xing, S Listopad, EL Rounds, **M Beyeler**, N Dutt, JL Krichmar (2018). CARLsim 4: An open source library for large scale, biologically detailed spiking neural network simulations using heterogeneous clusters. *IEEE International Joint Conference on Neural Networks (IJCNN)*, Rio de Janeiro, Brazil. **Best Student Paper Nominee.** [Code]

C5 **M Beyeler**, GM Boynton, I Fine, A Rokem (2017). pulse2percept: A Python-based simulation framework for bionic vision. *Scientific Computing with Python (SciPy)*, p.81–88. [Code]

C4 **M Beyeler**[•], KD Carlson[•], T-S Chou[•], N Dutt, JL Krichmar (2015). CARLsim 3: A user-friendly and highly optimized library for the creation of neurobiologically detailed spiking neural networks. *IEEE International Joint Conference on Neural Networks (IJCNN)*, Killarney, Ireland. [Code]

C3 KD Carlson, **M Beyeler**, N Dutt, JL Krichmar (2014). GPGPU accelerated simulation and parameter tuning for neuromorphic applications[ⓘ]. *Asia and South Pacific Design Automation Conference (ASP-DAC)*, Suntec, Singapore.

C2 **M Beyeler**, F Mirus, A Verl (2014). Vision-based robust road lane detection in urban environments. *IEEE International Conference on Robotics & Automation (ICRA)*, Hong Kong, China.

C1 **M Beyeler**[•], F Stefanini[•], H Proske, CG Galizia, E Chicca (2010). Exploring olfactory sensory networks: simulations and hardware emulation. *IEEE Biomedical Circuits & Systems Conference (BioCAS)*, Paphos, Cyprus. **Best Student Paper Nominee.**

Refereed Workshop and Lightly Reviewed Short Papers

W1 J Kasowski, N Wu, **M Beyeler** (2021). Towards immersive virtual reality simulations of bionic vision. *Augmented Humans (AH) '21*, online. (2-page poster paper)

US Patent Applications

PA2 R Appuswamy, **M Beyeler**, P Datta, MD Flickner, DS Modha (2018). Long short-term memory (LSTM) on spiking neuromorphic hardware. US Patent App 15/434,672.

PA1 **M Beyeler**, ND Dutt, JL Krichmar (2017). Sparse and efficient neuromorphic population coding. US Patent App 15/417,626.

Selected Contributed Abstracts & Poster Presentations

A36 A Xu, N Han, S Srivastava, D Klein, **M Beyeler** (2021). Enhancing simulated prosthetic vision with deep learning–based scene simplification strategies. *Vision Sciences Society (VSS) '21*, online.

A34 **M Beyeler**, GM Boynton, I Fine, A Rokem (2020). Interpretable machine-learning predictions of perceptual sensitivity for retinal prostheses. *Association for Research in Vision & Ophthalmology (ARVO) '20*, Baltimore, MD. (**Abstract of Distinction, top 3 %**; canceled, COVID-19)

A33 **M Beyeler**, GM Boynton, I Fine, A Rokem (2019). Model-based recommendations for optimal surgical placement of epiretinal implants. *The Eye & the Chip '19*, Dearborn, MI. (poster)

A28 **M Beyeler**, EL Rounds, KD Carlson, N Dutt, JL Krichmar (2018). Sparse coding and dimensionality reduction in the brain. *OCNS'18*, Seattle, WA. (poster)

A25 **M Beyeler**, EI Yucel, A Rokem, GM Boynton, I Fine (2018). Optimizing stimulation protocols for prosthetic vision based on retinal anatomy. *COSYNE'18*, Breckenridge, CO. (oral)

A20 **M Beyeler**, A Rokem, GM Boynton, I Fine (2017). Reverse-engineering optimized stimulation protocols in epiretinal prosthesis patients. *The Eye & the Chip '17*, Detroit, MI. (oral, **Platform Presentation**)

A19 GM Boynton, A Rokem, **M Beyeler**, J Dorn, NC Sinclair, MN Shivdasani, MA Petoe, R Hornig, I Fine (2017). Efficient and scalable measurements of sensitivity for high resolution electrode arrays. *The Eye & the Chip '17*, Detroit, MI. (poster, **Best Poster Award**)

A18 **M Beyeler**, N Dutt, JL Krichmar (2017). A sparse coding model of MST can account for human heading perception in the presence of eye movements. *ECVP'17*, Berlin, Germany. (poster)

A17 **M Beyeler**, GM Boynton, I Fine, A Rokem (2017). pulse2percept: A Python-based simulation framework for bionic vision. *SciPy'17*, Austin, TX. (oral, **video**)

A16 **M Beyeler**, A Rokem, GM Boynton, I Fine (2017). Modeling the perceptual experience of retinal prosthesis patients. *VSS'17*, St. Pete's Beach, FL. (oral)

A10 **M Beyeler**, M Richert, N Oros, N Dutt, JL Krichmar (2016). A cortical neural network model of visual motion perception for decision-making and navigation. *COSYNE'16*, Salt Lake City, UT. (poster)

A8 **M Beyeler**, KD Carlson, T-S Chou, N Dutt, JL Krichmar (2015). CARLsim 3: A user-friendly and highly optimized library for the creation of neurobiologically detailed spiking neural networks. *IJCNN'15*, Killarney, Ireland. (oral)

A6 **M Beyeler**, M Richert, N Oros, N Dutt, JL Krichmar (2014). A cortical spiking neural network model for visually guided robot navigation. Neurobiologically Inspired Robotics workshop, *ICRA'14*, Hong Kong, China. (oral, **Best Student Talk Award**).

A1 **M Beyeler**, ND Dutt, JL Krichmar (2013). Spiking neural network model of visual pattern recognition and decision-making using a stochastic STDP learning rule. *JSNC'13*, Pasadena, CA. (poster)

INVITED EXTERNAL TALKS & SEMINARS

Scheduled

T15 17th Annual World Congress of the Society for Brain Mapping & Therapeutics, *Los Angeles, CA* — Jul 2021

Past

T14 14th Conference on Learning & Memory: Cellular and Systemic Views (canceled, COVID-19) *Leibniz Institut für Neurobiologie, Magdeburg, Germany* — Mar 2020
T13 Department of Cognitive Sciences, *University of California, Irvine, CA* — Apr 2019
T12 Department of Computer Science, *Duke University, Durham, NC* — Mar 2019
T11 Department of Computer Science, *University of California, Santa Barbara, CA* — Jan 2019
T10 COSYNE Workshop on Recent Advances in Neuroengineering, *Breckenridge, CO* — Mar 2018
T9 Center for Applied and Translational Sensory Science (CATSS), *University of Minnesota, Minneapolis, MN* — Feb 2018
T8 Eye & Chip World Congress on Artificial Vision (plenary), *Detroit Institute of Ophthalmology* — Sep 2017
T7 Cluster of Excellence in Cognitive Interaction Technology (CITEC), *Bielefeld University, Germany* — Aug 2017
T6 Center for Perceptual Systems, *University of Texas, Austin, TX* — Jul 2017
T5 UW Medicine Eye Institute, *University of Washington, Seattle, WA* — Feb 2017
T4 Second Sight Medical Products Inc., *Sylmar, CA* — Nov 2016
T3 Department of Psychology, *University of Washington, Seattle, WA* — Dec 2015
T2 IBM Research, *San Jose, CA* — Aug 2015
T1 Qualcomm Technologies Incorporated, *San Diego, CA* — Nov 2014

TEACHING ACTIVITIES

Undergraduate Courses

UC2 CS-181: Introduction to Computer Vision, *UCSB* — Winter 2021
UC1 PSYCH-130: Sensation & Perception · Vision, *UCSB* — Fall 2020

Graduate Courses

GC1 CS-291A: Bionic Vision, *UCSB* — Winter 2020, Fall 2021

Selected Guest Lectures

GL7 DS-1 (CS-90DA): Data Science Foundations, undergrad, *UCSB* — Fall 2020
GL6 PSYCH-508: Core Concepts in Perception, grad, *UW* — Spring 2019
GL5 BIOEN-460: Neural Engineering, undergrad, *UW* — Winter 2019
GL4 NRSC-490: Advanced Topics in Neuroscience, undergrad, *U Puget Sound* — Sprint 2018
GL2 CS-171: Introduction to Artificial Intelligence, undergrad, *UCI* — Winter 2015
GL1 PSYCH-268A: Computational Neuroscience, undergrad, *UCI* — Fall 2015

Tutorials at Conferences

TC1 Image processing and computer vision with scikit-image, *Neurohackademy* — 2018

Graduate Teaching Assistant

TA3 CS-143A: Principles of Operating Systems, 186 students, undergrad, *UCI* — Spring 2015
TA2 CS-171: Introduction to Artificial Intelligence, 81 students, undergrad, *UCI* — Winter 2015
TA1 Networks & Circuits I & II, undergrad, *ETH Zurich, Switzerland* — Fall 2009, Spring 2010

Teaching Publications

TP5 M Gevorgyan, A Mamikonyan, **M Beyeler** (2020). OpenCV4 with Python Blueprints, Second Edition. *Packt Publishing Ltd.*, Birmingham, UK, 366 pages, ISBN 978-178980181-1.

TP4 A Sharma, VR Shrimali, **M Beyeler** (2019). Machine Learning for OpenCV 4, Second Edition. *Packt Publishing Ltd.*, Birmingham, UK, 420 pages, ISBN 978-178953630-0.

TP3 **M Beyeler** (2017). Machine Learning for OpenCV. *Packt Publishing Ltd.*, Birmingham, UK, 382 pages, ISBN 978-178398028-4. **Also available in Korean, Japanese, and as a video course.** [Code]

TP2 J Howse, P Joshi, **M Beyeler** (2016). OpenCV: Computer Vision Projects with Python. *Packt Publishing Ltd.*, Birmingham, UK, 558 pages, ISBN 978-178712549-0.

TP1 **M Beyeler** (2015). OpenCV with Python Blueprints. *Packt Publishing Ltd.*, Birmingham, UK, 230 pages, ISBN 978-178528269-0. [Code]

SCIENCE COMMUNICATION & PUBLIC OUTREACH

Public Lectures

PL1 UCSB Open House (formerly 'Spring Insight'), virtual lecture, *UCSB* 2020

Media Coverage

MC4 Building the bionic eye. . . with car tech?, *PCMag* 2021

MC3 Interview with Dr. Beyeler, *SciSection Media Group, Ontario, Canada* 2020

MC2 Reverse engineering the brain: "fooling" the mind to see, *Convergence Magazine, UCSB* 2020

MC1 Restoring vision with bionic eyes: no longer science fiction, *PCMag* 2019

Panels

PS1 An Evening with Neuroscience, *UW* 2019

Documentary & Video Appearances

VA2 I AM AI, GTC 2021, *NVIDIA, Santa Clara, CA* 2021

VA1 Made with Android, *Google Developers, Mountain View, CA* 2015

Community Involvement & Public Outreach

CI6 Competition judge: SBHacks VI Hackathon, *UCSB* 2020 – 2021

CI5 Competition judge: US Congressional App Challenge, *Washington, DC* 2019 – 2020

CI4 Outreach & fundraising: Lighthouse Foundation for the Blind, *Seattle, WA* 2018

CI3 Neuronline community leader, *Society for Neuroscience (SfN)* 2016 – 2017

CI2 Student volunteer, *IEEE Robotics & Automation Society (RAS)* 2014 – 2016

CI1 Lab tour leader: Mathobotix "Bytes and Bots" K-12 Summer Camp, *UCI* 2013, 2014

PROFESSIONAL ASSOCIATIONS

- Member: *IEEE Engineering in Medicine & Biology Society (EMBS)* 2019 – present
- Member: *Association for Computing Machinery (ACM)* 2019 – present
- Member: *Organization for Computational Neurosciences (OCNS)* 2018 – present
- Member: *Association for Research in Vision & Ophthalmology (ARVO)* 2018 – present
- Member: *Vision Sciences Society (VSS)* 2017 – present
- Member: *Society for Neuroscience (SfN)* 2013 – present
  - Neuronline Community Leader, 2016 – 2017
- Member: *IEEE Robotics & Automation Society (RAS)* 2014 – 2016
  - Student Volunteer, 2014 – 2016

REJECTIONS & FAILURES

An attempt to normalize 'failure' in academia. Inspired by: Melanie Stefan (2010), A CV of Failures. *Nature* 468(467).
Legend: TT tenure-track, PD postdoc, G grad

Academic Positions *Success rate, TT: 3 % (n=31), PD: 100 % (n=2), G: 50 % (n=2)*

- Tenure-track positions (R1): 17 no answers, 12 explicit rejections, 1 rejection after interview 2019
- Rockefeller University, Postdoctoral Position: offer declined 2016
- EPFL Neuroscience Graduate program: rejected 2013

Professional *Success rate, TT: 25 % (n=4)*

- MICCAI '21 area chair: not selected 2021
- Next Generation Leaders Council at the Allen Institute for Brain Science: not selected 2020
- OCNS program committee: invited to apply 2019

Extramural Grants & Major Awards *Success rate, TT: 38 % (n=8), PD: 50 % (n=2)*

- Office of Naval Research (ONR) Special Notice: invited for full proposal, role: co-PI 2021
- SONY Focused Research Award: not awarded, role: co-PI 2021
- Chan Zuckerberg Institute (CZI) Essential Open Source Software: not awarded, role: PI 2020
- National Science Foundation (NSF) NeuroNex: invited for full proposal, role: co-PI 2020
- ADSA seed grant: finalist, role: co-PI 2019
- Burroughs Wellcome Award at the Scientific Interface (CASI): invited for full proposal, role: PI 2018

Fellowships & Travel Awards *Success rate, TT: 33 % (n=3), PD: 100 % (n=4), G: 44 % (n=9)*

- Microsoft Research Faculty Fellowship: not awarded 2021
- IJCNN Travel Award: not awarded 2015
- NVIDIA Graduate Fellowship: not awarded 2013, 2014, 2015
- Microsoft Research Fellowship: not awarded 2013

Workshops *Success rate, PD: 50 % (n=2)*

- VSS workshop proposal: rejected 2019

Scientific Peer Review

- J8, *Sci Rep*: desk-rejected from 5 journals 2018
- J7, *Front Neurosci*: desk-rejected from 1 journal 2018
- J6, *PLOS Comp Bio*: desk-rejected from 3 journals 2017
- COSYNE abstract: rejected 2015, 2018