

## Education

PRINCETON UNIVERSITY	Princeton, USA
Ph.D., Neuroscience, 2015	
Thesis Committee: David W Tank, William Bialek, and Mala Murthy.	
UNIVERSITY OF CAMBRIDGE	Cambridge, UK
B.A., Natural Sciences – 1st Class Honours, 2009	

## Employment

Cell and Developmental Biology, University College London	London, UK
2023–Present <b>Principal Research Fellow of Systems Neuroscience</b>	
Institute of Ophthalmology, University College London	London, UK
2021–2023 <b>Senior Research Associate</b>	
Institute of Neurology, University College London	London, UK
2015–2021 <b>Sir Henry Wellcome Research Fellow</b>	

## Selected Publications

<b>Coen*</b> , Sit*, Wells, Carandini & Harris	<i>Neuron</i> 2023
<a href="#"><i>Mouse frontal cortex mediates additive multisensory decisions</i></a>	
Clemens*, <b>Coen*</b> , Roemschied*, Pereira & Murthy	<i>Current Biology</i> 2018
<a href="#"><i>Discovery of a New Song Mode in Drosophila reveals hidden structure in the sensory and neural drivers of behavior</i></a>	
Stern, Clemens, <b>Coen</b> , Calhoun, Hogenesch, Arthur & Murthy	<i>PNAS</i> 2017
<a href="#"><i>Experimental and statistical reevaluation provides no evidence for Drosophila courtship song rhythms</i></a>	
<b>Coen</b> & Murthy	<i>Current Opinion in Neurobiology</i> 2016
<a href="#"><i>Singing on the fly: sensorimotor integration and acoustic communication in Drosophila</i></a>	
<b>Coen</b> , Xie, Clemens & Murthy	<i>Neuron</i> 2016
<a href="#"><i>Sensorimotor Transformations Underlying Variability in Song Intensity during Drosophila Courtship</i></a>	
Clemens*, Girardin*, <b>Coen</b> , Dickson & Murthy	<i>Neuron</i> 2015
<a href="#"><i>Connecting neural codes with behavioral responses in the auditory system of Drosophila</i></a>	
<b>Coen</b> , Clemens, Weinstein, Pacheco, Deng & Murthy	<i>Nature</i> 2014
<a href="#"><i>Dynamic sensory cues shape song structure in Drosophila</i></a>	
Arthur, Sunayama-Morita, <b>Coen</b> , Murthy & Stern	<i>BMC Biology</i> 2013
<a href="#"><i>Multi-channel acoustic recording and automated analysis of Drosophila courtship songs</i></a>	
Tootoonian, <b>Coen</b> , Kawai, & Murthy	<i>Journal of Neuroscience</i> 2012
<a href="#"><i>Neural Representations of Courtship Song in the Drosophila Brain</i></a>	
Harvey, <b>Coen</b> & Tank	<i>Nature</i> 2012
<a href="#"><i>Choice-specific sequences in parietal cortex during a virtual-navigation decision task</i></a>	

## Funding

2021–2024	Wellcome Career Development Award (Principal investigator)	GBP 3,250,000
2023–2028	ERC Starting Grant (Principal investigator, voluntarily terminated)	EUR 1,500,000
2021–2024	BBSRC Responsive Mode Research Grant (Co-researcher investigator)	GBP 500,000
2017–2021	Sir Henry Wellcome Postdoctoral Research Fellowship	GBP 250,000
2016	Marie Curie Individual Fellowship (voluntarily terminated early)	EUR 180,000
2012–2014	HHMI International Graduate Student Research Fellowship	USD 130,000

## Awards

2021	Research poster prize, University College London	London, UK
2015	Elkins Memorial Lecture Award, Cold Spring Harbor Laboratory	New York, USA
2009	Trends in Neuroscience Prize, University of Cambridge	Cambridge, UK
2009	Lister Scholarship and Wright Prize, University of Cambridge	Cambridge, UK
2008	Lister Scholarship and College Prize, University of Cambridge	Cambridge, UK
2007	Lister Scholarship and College Prize, University of Cambridge	Cambridge, UK
2006	Study Abroad Award, Holmes Hines Memorial Foundation	London, UK

## Invited Talks

2023	Japanese Neuroscience Society	Sendai, Japan
2023	International Multisensory Research Forum (IMRF)	Brussels, Belgium
2022	Computational and Systems Neuroscience (COSYNE) Workshops	Lisbon, Portugal
2020	Ear Institute Seminar, University College London	London, UK
2020	12th FENS Forum of Neuroscience	Virtual Conference
2020	Computational and Systems Neuroscience (COSYNE) Meeting	Denver, USA
2019	Department of Neuroscience, Cold Spring Harbor Laboratory	New York, USA
2019	Princeton Neuroscience Institute, Princeton University	Princeton, USA
2018	Department of Physiology, Anatomy and Genetics, Oxford University	Oxford, UK
2016	Computational and Systems Neuroscience (COSYNE) Workshops	Salt Lake City, USA
2015	Elkins Memorial Lecture, Cold Spring Harbor Laboratory	New York, USA
2015	Modulation of Neural Circuits and Behaviour, Hong Kong University	Hong Kong, HK
2014	Champalimaud Centre for the Unknown	Lisbon, Portugal
2014	Evening Evolution Group, New York University	New York, USA
2014	Department of Neurobiology, Harvard Medical School	Boston, USA
2014	Department of Fundamental Neurosciences, Geneva University	Geneva, Switzerland
2014	Laboratory of Sensory Processing seminar, EPFL	Lausanne, Switzerland

## Organisation of Scientific Meetings

2022	COSYNE meeting workshop, Co-organiser: <i>Why is everything everywhere?</i>	Lisbon, Portugal
2020	FENS Symposium, Co-chair and organiser: <i>The Multisensory Rodent</i>	Virtual conference

## Teaching Activities

2019	UCL Neuropixels Course, Teaching assistant	London, UK
2012–2013	Biophysics and Computation in Neurons and Networks, Teaching assistant	Princeton, USA
2011	Techniques in Computational Neuroscience, Teaching assistant	Princeton, USA
2010	Laboratory Skills in Systems Neuroscience, Teaching assistant	Princeton, USA

## Academic Supervision

2020–present	Flora Takacs, University College London, PhD	London, UK
2019–present	Pak Hang Sit, University College London, PhD	London, UK
2019–2020	Iuliana Bledea, University College London, Undergraduate	London, UK
2017–2018	Dylan Myers-Joseph, University College London MSc	London, UK
2017–2018	Liyuan Liang, University College London, Undergraduate	London, UK
2014–2015	Marjorie Xie, Princeton University, Undergraduate	Princeton, USA
2013–2014	Andrew Weinstein, Princeton University, Undergraduate	Princeton, USA
2012–2013	Salmaan Kamal, Princeton University, Undergraduate	Princeton, USA
2012–2013	Viven Cheng, Princeton University, Undergraduate	Princeton, USA