

Curriculum Vitae

AFFILIATION

Behavior of Organisms Laboratory
Cellular and Systems Neurobiology Unit
Human Cognition and Behavior Scientific Program

Instituto de Neurociencias (CSIC-UMH)

<https://in.umh-csic.es/en/>

Av. Ramón y Cajal s/n, 03550, Alicante, SPAIN



CONTACT

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Email: a.gomezmarin@umh.es | agomezmarin@gmail.com

PERSONAL

Born: May 25, 1981 (Barcelona, Spain) | Married, 2 daughters, 1 cat

EDUCATION

2008 July **PhD in Theoretical Physics**, Universitat de Barcelona (UB)

2007 Nov **Masters in Biophysics**, Universitat de Barcelona (UB)

2006 June **Advanced Physics Diploma**, Universitat de Barcelona (UB)

2004 April **Degree in Physics**, Universitat de Barcelona (UB)

POSITIONS

2022—present **Director**, Pari Center (Italy) <https://paricenter.com/>

2021—present **Associate Professor**, Spanish National Research Council (tenured)

2016—present **Principal Investigator**, Head of the Behavior of Organisms Laboratory
Instituto de Neurociencias (CSIC-UMH), Alicante, Spain

2019—21 **Ramón y Cajal Fellow**, Spanish Ministry of Science, Innovation and Universities

2013—15 **Postdoctoral Fellow**, Neurobiology of Action Laboratory (Dr. Rui M. Costa)
Champalimaud Neuroscience Programme (CNP), Portugal

2009—12 **Postdoctoral Fellow**, Sensory Systems and Behaviour Laboratory (Dr. Matthieu Louis)
Center for Genomic Regulation (CRG), Spain

2004—08 **Doctoral student**, Brownian Dynamics and Molecular Biophysics Group (Prof. José M. Sancho)
Universitat de Barcelona (UB), Spain

OTHER CURRENT DUTIES

Team Member, Global Consciousness Project 2.0 <https://gcp2.net/about/team>

Team Member, Terminal Lucidity Research Group <https://www.terminallucidityresearch.ac.nz/who-we-are>

Faculty Cloister, Icloby Foundation (International Consciousness Lobby) <https://icloby.org/en/equipo/>

Associate Editor, Organisms: Journal Biological Sciences <https://rosa.uniroma1.it/rosa04/organisms/about/editorialTeam>

Scientific Advisor, Cobb Institute <https://cobb.institute/science-advisory-committee/>

Scientific Advisor, Dutch Brain Interface Initiative <https://dbi2.nl/about-dbi2/scientific-advisory-board>

HONOURS

Number 68 on the list of OOOM Magazine's 100 World Most Inspiring People (2024)

Recipient of the first Linda G O'Bryant Noetic Sciences Research Prize, IONS (2023)

Outstanding Doctoral Thesis Award, University of Barcelona (2009)

BRIEF BIO

Àlex Gómez-Marín is a Spanish physicist turned neuroscientist. He holds a PhD in theoretical physics and a Masters in biophysics from the University of Barcelona. He was a research fellow at the EMBL-CRG Centre for Genomic Regulation and at the Champalimaud Centre for the Unknown in Lisbon. His research spans from the origins of the arrow of time to the neurobiology of action-perception in flies, worms, mice, humans and robots. Since 2016 he is the head of the Behavior of Organisms Laboratory at the Instituto de Neurociencias in Alicante, where he is an Associate Professor of the Spanish Research Council. He is also the director of the Pari Center. Combining experimental, computational and theoretical neurophysics, his current research deals with human minds in the real world, concentrating on the edges of consciousness.

PUBLICATIONS

Total citations: 3543 | h-index: 24 | i10-index: 31 {84 articles} [first publication in 2005] (*Google Scholar, January 2024*)
<https://scholar.google.com/citations?user=JKt3ReoAAAAJ&hl=en>

- Gomez-Marín (2024) Materialism's terminal lucidity. *Journal of Consciousness Studies* (in press).
- Gomez-Marín (2023) The consciousness of neuroscience. *eNeuro* 10(11):1-5.
- Gomez-Marín (2023) Galileo's comet rebuttal. *Science* 382(6667): 162.
- Gomez-Marín (2023) David Bohm's unfinished revolution. *Science* 381(6657): 489.
- Gomez-Marín (2023) Seeing without Eyes. Lindsay O'Bryant Noetic Science Research Prize essay, *IONS*.
- Gomez-Marín, Sheldrake (2023) The nature of visual perception. *Journal of Mind and Behavior* 44(1-2):1-14.
- Gomez-Marín, Carr (2023) Towards a trans-materialist science of the sacred. *Pari Perspectives* 15:52-61.
- Gomez-Marín (2023) Six impossible worlds before breakfast. *Current Biology* 33(10): R386-R389.
- Gomez-Marín (2023) Making sense of the sacred. *Science* 380(6640): 44.
- Gomez-Marín (2023) Science in the age of podcasts. *Science* 379(6630):338.
- Gomez-Marín (2023) At the edges of consciousness. *Pari Perspectives: Ideas in Science, Arts, Spirit, & Community* 16:6.8.
- Gomez-Marín, Torrent (2023) Universes hidden in broad daylight. *CCCB Lab*, Cultural Research and Innovation.
- Espinosa, Gomez-Marín, de Castro (2023) The contribution of Lorente de Nó to Cybernetics. *The Neuroscientist*.
- Gomez-Marín (2023) What happens with the mind when the brain dies? *Organisms: Journal Bio Sciences* 6(1): 51-53.
- Gomez-Marín (2022) Materialists' best guess? *Journal of Consciousness Studies* 29:(5-6) 201-297.
- Gomez-Marín (2022) Transcending reductionism in neuroscience. *Science* 378(6620): 606.
- Gomez-Marín (2022) An exploration of real, virtual, and possible minds. *Science* 377(6603):268.
- Gomez-Marín (2022) Drawing the mind, one neuron at a time. *Science* 375(6586):1237.
- Szechtman, Dvorkin-Gheva, Gomez-Marín (2022) A virtual library for behavioral performance. *GigaScience* 11:1-41.
- Madriolas, Zaghi-Lara, Gomez-Marín, Pérez-Escudero (2022) The motor wisdom of the crowds. *J Royal Soc Int* 19(195).
- Gomez-Marín (2022) Rupert Sheldrake's quest for wholeness in understanding consciousness. *Paradigm Explorer* 139.
- Gomez-Marín (2022) Making mind and life as clear as possible, but not clearer. *Behavioral and Brain Sciences* 45:e196.
- Gomez-Marín (2022) Meaning and structural dynamics in poetry: a computational perspective. *PsyArXiv*.
- Matic, Gomez-Marín (2022) Angular speed should be avoided when assessing the speed-curvature power law. *bioRxiv*.
- Gomez-Marín and Zhang (2022) Emergent behavior in animal-inspired robotics. *Frontiers in Neurobotics* 16:861831.
- Gomez-Marín (2022) A stroll through the worlds and minds of fungi. *The Journal of Mind and Behavior* 43(1):67-78.
- Gomez-Marín (2022) Metaphors neuroscientists live by. *Frontiers in Computer Science* 4:890531.
- Gomez-Marín (2021) Promisomics and the short-circuiting of mind. *eNeuro* 8(2) 0521-20.2021
- Gomez-Marín (2021) If the brain is the answer, what was the question? *Current Biology* 31:5 R221-R223.
- Gomez-Marín (2021) Facing biology's open questions. *BioEssays* e2100055.

- Gomez-Marín (2021) Embodying consciousness. *Science* 374(6569):696.
- Gomez-Marín, Arnau (2021) When the parts mirrors the whole. *Frontiers Theo & Phil Psychology* 11:523885.
- Matic, Valerjev, Gomez-Marín (2021) Hierarchical control in a 3D-printed robot arm. *Frontiers Neurobotics* 15:1-18
- Matic, Gomez-Marín (2021) Elbow angle and stiffness control by twisted string actuators and nested feedback. *OUKA*.
- Gomez-Marín, Arnau (2021) The false problem of consciousness. *PhilSci* 16804.
- Gomez-Marín et al (2021) Cognition, Behavior & Consciousness. WhitePaper 5: Brain, Mind & Behavior 3:41-57 *CSIC*.
- Gomez-Marín (2020) Does your brain exist when unperceived? *Constructivist Foundations* 16(1): 124-128.
- Gomez-Marín (2020) Evolution and what the intellect makes of it. Koutroufinis & Pikarski (eds) *Process Century Press*.
- Matic, Gomez-Marín (2020) Geometric purity, scaling and dynamic optimality in drawing. *J Math Psych* 99:102453.
- Bestue, Martínez, Gomez-Marín, Gea, Cami (2020) Long-term memory of real-world episodes. *Heliyon* 6:e05260.
- Cami, Gomez-Marín, Martínez (2020) On the cognitive bases of illusionism. *PeerJ* 8:e9712.
- Gomez-Marín, Martínez, Cami (2020) Science as magic. *Organisms: Journal of Biological Sciences* 4(1):90-101.
- Gomez-Marín (2020) Bergson today. *Theory, Culture & Society* 37(7-8): 435-440.
- Gomez-Marín (2020) A history of the metaphorical brain. *Science* 368 (6489): 375.
- Gomez-Marín (2019) The blind spot of neuroscience. *Organisms: Journal of Biological Sciences* 3(2):19-23.
- Gupta, Gomez-Marín (2019) A context-free grammar for *C. elegans* behavior. *bioRxiv*.
- Gomez-Marín (2019) A clash of Umwelts: anthropomorphism in behavioral neuroscience. *Behav Brain Sciences* 42e229.
- Zaghi-Lara, Gea, Cami, Martínez, Gomez-Marín (2019) Playing magic tricks to DNN untangles human deception. *arXiv*.
- Matic, Gomez-Marín (2019) Customizable tablet app for hand movement research outside lab. *J Neuro Meth* 328, 108398.
- Gomez-Marín, Ghazanfar (2019) The life of behavior. *Neuron* 104(1):25-36.
- Kafkafi et al (2018) Reproducibility-replicability of rodent phenotyping in preclinical studies. *NeurBiobehav Rev* 87:218.
- Gomez-Marín (2018) A portrait of scientist as a young artist: what neuroscience can learn from dance. *SciArt Magazine* 33.
- Zago et al (2018) The speed curvature power law of movements: a reappraisal. *Exp Brain Res* 236(1):69-82.
- Krakauer et al (2017) Neuroscience needs behavior: correcting a reductionist bias. *Neuron* 93(3):480-490.
- Gomez-Marín (2017) Causal circuit explanations of behavior: Are necessity & sufficiency necessary & sufficient? *Springer*.
- Gomez-Marín, Mainen (2016) Expanding perspectives on cognition in humans, animals, machines. *Curr Op Neurobio* 37.
- Zago et al (2016) The speed-curvature power in *Drosophila* larval locomotion. *Biology Letters* 12: 20160597.
- Gomez-Marín, Stephens, Brown (2016) Hierarchical compression of *C. elegans* locomotion. *J Royal Soc Interface* 2:1-9.
- Polyzos et al (2016) Mitochondrial targeting of XJB5131 attenuates pathophysiology in HdhQ150 animal. *HumMolecGen*.
- Gomez-Marín et al (2016) Generative rules of *Drosophila* locomotor behavior as a homology. *Sci Reports* 6-27555:1-11.
- Schulze, Gomez-Marín et al (2015) Dynamical feature extraction at sensory periphery guides chemotaxis. *eLIFE* 4:e06694.
- Tastekin at al (2015) Role of suboesophageal zone in sensorimotor control in *Drosophila*. *Current Biology* 25(11):1448.

- Gomez-Marín, Louis (2014) Multilevel control of run orientation in *Drosophila* chemotaxis. *Frontiers Behav Neuro* 8-38.
- Gomez-Marín et al (2014) Big behavioral data: psychology, ethology, foundations of neuroscience. *Nature Neuro* 17-1455.
- Gomez-Marín (2013) Tools, flies and what to do next. *American Institute of Physics* 1510:120.
- Gomez-Marín, Iyengar (2012) A simple method to study *Drosophila* leg movements during free climbing. *Figshare* 96615.
- Gomez-Marín et al (2012) Automated tracking of animal posture & movement. *PLoS One* 7(8): e41642.
- Gomez-Marín, Louis (2012) Active sensation during orientation behavior in *Drosophila*. *Curr Op Neurobio* 22:1-8.
- Gomez-Marín, Stephens, Louis (2011) Active sampling & decision making in *Drosophila* chemotaxis. *Nature Com* 2:441.
- Gomez-Marín et al (2010) Mechanisms of odor-tracking: sensors for enhanced perception. *Frontiers Cell Neuro* 4:6.
- Gomez-Marín, Sancho (2009) Two-state flashing molecular pump. *EuroPhysics Letters* 86:40002.
- Gomez-Marín, Schmiedl, Seifert et al (2008) Optimal protocols for minimal work processes. *J Chem Phys* 129, 024114.
- Gomez-Marín, Parrondo, Broeck (2008) Lower bounds on dissipation upon coarse graining. *Phys Rev E* 78, 011107.
- Gomez-Marín, Parrondo, Broeck (2008). The footprints of irreversibility. *EuroPhysics Letters* 82, 50002.
- Gomez-Marín, Sancho (2008) Brownian pump powered by white-noise flashing ratchet. *Phys Rev E* 77, 031108.
- Gomez-Marín, García-Ojalvo, Sancho (2007) Self-sustained spatiotemporal oscillations. *Phys Rev Lett* 98, 168303.
- Gomez-Marín, Pagonabara (2007) Test of fluctuation theorem for stochastic entropy production. *Phys Rev E* 74 061113.
- Gomez-Marín, Sancho (2006) Tight coupling in thermal Brownian motors. *Phys Rev E* 74, 062102.
- Gomez-Marín, Sancho (2006) Reply to Comment on Heat fluctuations in Brownian transducers. *Phys Rev E* 74, 063102.
- Gomez-Marín, Sancho (2006) Heat fluctuations in Brownian transducers. *Phys Rev E* 73, 045101.
- Gomez-Marín, Sancho (2006) Ratchet, pawl and spring Brownian motor. *Physica D* 216, 214-219.
- Gomez-Marín, Sancho (2005) Symmetric Brownian motor. *Phys Rev E* 71, 021101.

JOURNAL & MEDIA RESEARCH HIGHLIGHTS

- 2020 Illusionism paper: featured in *El Confidencial* and twice in *El País*.
- 2019 Neuron paper: *Periodicals*.
- 2019 Magic & AI preprint: Assert: Top 1 ArXiv Paper Today in Neurons And Cognition, VozPopuli, Fogonazos, Venture Beat, NoBBot, NextTech, Informe21, Maestro Viejo, Entorno Inteligente, Diario Basta, Actualidad, nplus1, Gazete Yeni Yuzyl, News Beezer, Meneame, WebTekno, HotInfoNow, The World News, The World Breaking News, The US Breaking News, Tech Investor News, VIDMID, My Best Tech, PC News Buzz, The Breaking News Headlines, The Science Articles, Magic Fun Wagon, El Nuevo Mundo, Contenido, Technology Breaking News, The News Headline, Laptops Magazine, Planet Neuroscience, 24goodNews, Profillic, Largest Tech, AI News, Islaplad, MundoNews, Shangyexinzhi, CSDN.
- 2017 Neuron paper: Scientific American, The Atlantic, New York Magazine, Ar Magazine, Speaking of Research, Massive, The Spike, F1000, Evolutionary Psychiatry, Culture and Cognition, National Public, Radio, 3 Quarks Daily, Unsupervised Thinking, Las Provincias, Aquí en Elche, UMH news, La Vanguardia
- 2016 Biology Letters paper: La Vanguardia, Información, La Verdad, Las Provincias, Herencia, Genética y Enfermedad, Diario Información, 20 Minutos, Universal FM Radio, La Verdad, Agencia EFE, CSIC
- 2015 eLife paper: El País, La Vanguardia, and eLIFE Editor's choice
- 2014 Nature Neuroscience paper: Editor's choice.
- 2012 PLoS One paper: Science Daily, Catalunya Radio, InfoSalus, Cenatic, SourceForge
- 2011 Nature Communications paper: Ecoticias and Lukor
- 2008 EPL paper: EuroPhysics highlights
- 2007 PhysRevLetters paper: Virtual Journal of Biological Physics

RESEARCH SUPERVISION

Adam Matic | PhD Student (October 2016 – November 2022)
 Fernando Casanova | Graduate Student (June 2021 – June 2022)
 Alex Sospedra | Undergraduate Student (January 2020 – April 2022)
 Maria Regina Zaghi Lara | PhD Student (November 2019 – December 2021)
 Antonio Micó | Masters Student (July 2020 – July 2021)
 Angela González | Masters Student (April 2020 – December 2020)
 Mercedes Rosillo Galera | Masters Student (April 2020 – December 2020)
 Saurabh Gupta | PhD Student (November 2016 – June 2021)
 Aitor Landete | Postdoctoral Fellow (July 2019 – November 2019)
 Marina Vegué | Postdoctoral Fellow (November 2018 – October 2019)
 Maria Regina Zaghi Lara | Masters Student (Nov 2018 – July 2019)
 Carlos Ferrús Ferri | Summer Student (2019)
 Roberto Morolló Ruiz | Masters Student (November 2018 – September 2019)
 Angel Sánchez Ruiz | Summer Student (2019)
 José María Buil | Undergraduate Student (July 2017 – July 2019)
 Carlos Antequera | Summer Student (2019)
 Ben Svoboda | Summer Student (2018)
 Enrique Galceran | Summer Student (2018)
 Eugenia Tornese | ERASMUS Student (2018)
 Marcos Fernández Rodríguez | Intern Student (2017 – 2018)
 Juan Antonio Antolinos | Intern Student (2018)
 Shruthi Ravindranath | Summer Student (2017)

TEACHING

2023—24 Consciousness: a multidisciplinary approach — Universidad Miguel Hernández, Spain
 2021—24 Neuroscience and philosophy of mind science — Universidad de Murcia, Spain
 2017—24 Quantitative NeuroEthology — Masters in Neuroscience, Instituto de Neurociencias, Alicante, Spain
 2017—23 Brain Awareness Week, lectures and demonstration to schools — Instituto de Neurociencias, Alicante, Spain
 2019 Deep Learning for Behavioral Tracking — Instituto Neurociencias Alicante, Spain
 2019 Integrated Information Theory — Instituto Neurociencias Alicante, Spain
 2017 Presentation Skills Workshop — European Neuroscience Conference (ENCODS), Spain
 2017—18 Quantitative Cellular Dynamics, Masters in Neuroscience — Instituto de Neurociencias, Alicante, Spain
 2014—15 Neuro-cognition lectures — PhD Program in Philosophy, Universidad Lusófona, Lisbon.
 2016—19 Introduction to Programming, Instituto Neurociencias Alicante, Spain
 2016 Perceptual Control Theory, Instituto Neurociencias Alicante, Spain
 2016 Unsupervised Data Analysis workshops, Instituto Neurociencias Alicante, Spain
 2016 Matlab Introductory Workshop for students and postdocs, Instituto Neurociencias Alicante, Spain
 2015 Animal Behaviour Tracking — INDP program at the CNP, Lisbon.
 2014 Workshop on Data Visualization — INDP program at the CNP, Lisbon.
 2011 Teacher at the Modeling for Systems Biology — summer course at the CRG, Barcelona.
 2011 Lecturer of the course Computer Vision in Biology for PhDs & Postdocs — CRG, Barcelona.
 2006—08 Lecturer of Mathematical Analysis — Universitat de Barcelona, Barcelona.

FUNDING**Research grants**

2022—24 Proyectos Intramurales Especiales, Spanish Ministry of Science
 2019—23 Ramón y Cajal Fellow, Spanish Ministry (RYC-2017-23599)
 2017—19 Jóvenes Investigadores Program, Spanish Ministry (BFU2015-74241-JIN)
 2016—18 Severo Ochoa Start-Up funds, Spanish Ministry (SEV-2013-0317)

Fellowships

2014—15 Postdoctoral FCT-Fellowship, Portuguese Government (SFRH/BPD/97544/2013)
 2009—12 Postdoctoral JdC-Fellowship, Spanish Government (JCI-2009-04557)
 2005—08 PhD FPU-Fellowship, Spanish Government (FPU-AP-2004-0770)
 2005 PhD FI-Fellowship, Catalan Government (2005FI-00194)
 2004 PhD UB-Fellowship, Universitat de Barcelona
 2003 Research student UB-Grant, Spanish Government

Participation in Research Projects

2016—18	SEV-2013-0317 (PI: Juan Lerma) Spain
2014—19	ERC-CoG-617142 (PI: Rui M Costa) ERC, Portugal
2012—17	HHMI 55007415 (PI: Rui M Costa) HHMI, Portugal
2010—14	STG 243393 (PI: Rui M Costa) ERC, Portugal
2009—12	Visitor Project at Janelia Farm (PI: Vivek Jayaraman) HHMI, USA
2011	BFU2011-26208 (PI: Matthieu Louis), Spain
2009	BFU2009-07757-E/BMC (PI: Matthieu Louis), Spain
2008	BFU2008-00362 (PI: Matthieu Louis), Spain
2006—09	FIS2006-11452-C03-01 (PI: José M Sancho), Spain
2003—06	BFM2003-07850-C03-01 (PI: José M Sancho), Spain

MOBILITY

2015	Visiting scientist. Tel Aviv University	Tel Aviv, Israel
2013	Visiting scientist. Okinawa Institute of Science and Technology	Okinawa, Japan
2009—12	Postdoctoral visitor. Janelia Farm, Howard Hughes Medical Institute (funded by Janelia HHMI visiting scientist program)	Ashburn, USA
2009	Summer student. Cold Spring Harbor Laboratory (funded by the Boehringer Ingelheim Fonds travel grant)	New York, USA
2007	Summer student. Institut Theoretische Physik, Universitat Stuttgart	Stuttgart, Germany
2006	Summer student. Biochemistry Department, University of California	San Diego, USA

REFEREE SERVICE

Regular journal reviews. Physical Review Letters (APS); Physical Review E (APS); Europhysics Letters (IOP); New Journal of Physics (IOP); Journal of Statistical Mechanics (IOP); Nature Communications (NPG); Nature Scientific Reports (NPG); PLOS Computational Biology (PLOS); PLoS One (PLOS); Trends in Ecology and Evolution (Cell Press); Frontiers in Behavioural Neuroscience (Frontiers); Brain and Behavioral Sciences (Cambridge University Press); Neuroscience (IBRO); Axiomathes (Springer) Nucleic Acids Research (Oxford Academic); Leonardo (Int Soc Arts Sci & Tech); Journal of Visualised Experiments (JoVE), Nucleic Acids Research (Oxford Academic); Neurons, Behavior, Data analysis & Theory (Scholastica); Information (MDPI); Neurons Behaviour Theory and Data analysis and Theory NBTD (Scholastica); Anatomical Record (Wiley); Journal of Experimental Brain Research (Springer); iScience (Cell Press).

National and international evaluations. Book reviewer (for Princeton University Press, Routledge); Open Competition SSH scheme within the Social Sciences and Humanities Domain; Measuring Behaviour 2016 (conference reviewing committee); External doctoral thesis evaluator (Universidad Politécnica de Valencia); Sir Henry Dale Fellowship (Wellcome Trust); Expert Evaluator (Spanish Agencia Estatal de Investigación); Research Project reviewer PICT for Argentina's FONCYT; Reviewer for Swiss National Science Foundation; PhD Jury (Universitat de Barcelona); External Evaluator PhD middle term (Aarhus University, Dandrite, Denmark); PhD Jury (Champalimaud Neuroscience Program)

PRESENTATIONS**Oral presentations**

2024	Ethical Commerce Alliance	London, UK
2024	Center for Myth, Cosmology and the Sacred	UK
2023	International Consciousness Research Laboratories	ICRL, USA
2023	Time and Mind	Essentia Foundation
2023	On the Leading Edge: IONS at 50 and Beyond	IONS
2023	V Congreso Espírita	Calpe, Spain
2023	V Congreso Nacional de Medicina Integrativa	Valencia, Spain
2023	The Science of Wholeness series	Pari Center
2023	Mente, Cerebro y Consciencia en el Morir, Fundación Metta-Hospice	Miraflores, Madrid
2023	Beyond Bohm series	Pari Center
2023	Science & Consciousness: Beyond the Brain, award speech (IONS)	IONS
2023	Advice for Young Neuroscientists, FENS Regional Meeting	Portugal
2023	Fundación Metta-Hospice, Hospital General de Elche	Elche, Spain
2023	Encuentro Cátedra Asia, Universidad de Málaga	Málaga, Spain
2022	XVIII Coloquio Neuro-Humanidades, Instituto Nacional de Psiquiatría	UNAM Mexico
2022	Recovering the Sacred, Pari Center (with Prof. Bernard Carr)	Pari Center
2022	Neuroscience Summit, Laboratorios Bagó	Buenos Aires, Argentina
2023	The Cobb Institute (with Matt Segall)	USA

2022	Encuentro Manic NWE4	Zaragoza, Spain
2022	XVIII Coloquio Neuro-humanidades, Instituto Nacional de Psiquiatría	UNAM Mexico
2022	Mundos por venir, Facultad de Bellas Artes, UPV	Valencia, Spain
2022	The Enchanted Universe, Pari Center	Pari, Italy
2022	Understanding Behavior: molecular, cellular, & systems, FENS Forum	Paris, France
2022	The Scientific and Medical Network	London, UK
2022	AstroTech Workshop	Marseille, France
2022	The Bergson-Einstein debate on time 100 years later	Torun, Poland
2022	Espai Eireen	Tarragona, Spain
2021	The Consciousness of Neuroscience, Pari Center	Pari, Italy
2021	Casa de la Ciencia, CSIC	Valencia, Spain
2021	Institute de Neurociencias de la Timón (INT)	France
2021	Functional Logic of Neural Systems: Diamonds in the Rough (NSF)	USA
2021	Ciclo de Conferencias de Arte y Neurociencia	Alicante, Spain
2020	Instituto do Cérebro, UFRN	Brazil
2020	Nirakara, Instituto de Investigación y Formación, UCM	Madrid, Spain
2020	Museo Nacional de Ciencias Naturales de Madrid	Madrid, Spain
2019	Critical Neuroscience, The Science of Consciousness	Interlaken, Switzerland
2019	Computational Systems Neuroscience (Cosyne)	Lisbon, Portugal
2018	Dynamic Modes of Being	Dundee, UK
2018	Measuring Behavior Meeting	Manchester, UK
2017	Intangible Laboratory Summer-school	Zaragoza, Spain
2017	ENCODS, European Neuroscience Conference for Doctoral Students	Alicante, Spain
2017	CEAB Centre d'Estudis Avançats de Blanes	Blanes, Spain
2017	Process Approaches to Biology, Whitehead Conference	Açores, Portugal
2016	FENS-Kavli Network of Excellence & Severo Ochoa Workshop	Alicante, Spain
2016	Janelia Meeting on Cognition	Ashburn, USA
2016	Princeton Seminar on Behavioural Evolution	Princeton, USA
2016	Janelia Research Campus, Behavioural Evolution workshop	Ashburn, USA
2016	Collection Berardo (CCB), Art and Science	Lisbon, Portugal
2015	International Light and Communication Conference	Braga, Portugal
2015	Seizing an Alternative: Toward an Ecological Civilization	Claremont, USA
2015	Instituto de Neurociencias de Alicante	Alicante, Spain
2015	Replicability and Reproducibility in Animal Phenotyping	Tel Aviv, Israel
2014	Cultural Centre of Belém, Roots of Curiosity	Lisbon, Portugal
2014	International Workshop on Bodies, Persons & Selves	Lisboa, Portugal
2014	Measuring Behavior Conference	Wageningen, Netherlands
2013	Vrije Universiteit Amsterdam	Amsterdam, Holland
2013	Okinawa Institute of Science and Technology	Okinawa, Japan
2012	Granada Seminars on Mind, Brain and Physics	la Herradura, Spain
2012	Champalimaud Center for the Unknown	Portugal, Lisbon
2012	Janelia Farm Research Campus HHMI	Ashburn, USA
2011	Winter Meeting at the Cajal Institute, CSIC	Madrid, Spain
2011	Universitat Politècnica de Barcelona	Terrassa, Spain
2011	European Symposium for Insect Taste and Olfaction	St. Petersburg, Russia
2010	Systems Biology: Bridging the Gaps Between Disciplines	Barcelona, Spain
2009	Insect Behavior and Memory Symposium, Max Planck Institute	Munich, Germany
2009	Fly Behavior Workshop, The Blue Brain Project	Oxford, UK
2009	Annual Computational Neuroscience Meeting Workshop	Berlin, Germany
2008	Fritz-Haber Institute	Berlin, Germany
2008	Brain Awareness Week	Barcelona, Spain
2007	Ratchets in point-particle systems and in extended models	Carmona, Spain
2007	Universiteit Hasselt	Hasselt, Belgium
2007	Fluctuation theorems and the Physics of Information	Segovia, Spain
2007	Institut für Theoretische Physik	Stuttgart, Germany
2006	Non-equilibrium day, Universitat de Barcelona	Barcelona, Spain
2006	Finite time thermodynamics, University of California	San Diego, USA
2006	Work, dissipation, and fluctuations in non-equilibrium physics	Brussels, Belgium

Posters

2018	FENS Neuroscience Meeting	Berlin, Germany
2018	Measuring Behavior Meeting	Manchester, UK
2018	Janelia Farm meeting on Collective Behavior (HHMI)	Ashburn, USA
2017	Spanish Society for Neuroscience (FENS)	Alicante, Spain
2017	FENS-ENCODS	Benidorm, Spain
2016	Janelia Research Campus, Behavioural Evolution workshop	Ashburn, USA
2014	Computational and Systems Neuroscience (Cosyne)	Salt Lake City, USA
2012	Society for Neuroscience Meeting	New Orleans, USA
2012	FENS Forum of Neuroscience	Barcelona, Spain
2012	Cosyne (Computational and Systems Neuroscience)	Salt Lake City, USA
2006	Isaac Newton Institute for Mathematical Sciences	Cambridge, UK
2004	Brownian motors and Phase Transitions	Bayreuth, Germany

OUTREACH**Podcasts**

“The legacy of Dr. Grinberg”, New Thinking Allowed with Jeffrey Mishlove (February 2024)
 “El sueño de Galileo”, Somos Alma con Luján Comas (January 2024)
 “Rediscovering Dr. Grinberg’s legacy”, Psicoactivo Podcast (January 2024)
 “Consciousness and Neuroscience”, New Thinking Allowed with Jeffrey Mishlove (January 2024)
 “Seeing Without Eyes”, WTF Just Happened?! podcast (December 2023)
 “Eyeless Sight”, New Thinking Allowed with Jeffrey Mishlove (December 2023)
 “Más allá de la duda y de la creencia”, SEDE Sociedad Española Divulgadores Espiritas (December 2023)
 “A un científico se le pide que sepa cada vez más de nada”, Sin Miedo, Sin Límites, con Omar Navarro (July 2023)
 “Queda poco para una buena crisis en las neurociencias”, Medintegra Salud (July 2023)
 “AWARE: Glimpses of Consciousness”, BrainInspired podcast, a conversation with Sandig & Black (May 2023)
 “On life, consciousness, and “The matter with things””, John Clarke podcast (May 2023)
 “El cerebro no produce la consciencia, la permite”, Somos Alma, con Luján Comas (May 2023)
 “Somos más que materia”, Somos Alma, con Luján Comas (May 2023)
 “Ciencia y Consciencia: La mente humana en el mundo real”, Charlas de Ciencia, con Sergio Escamilla (May 2023)
 “Parte III”, La Grieta de lo Increado 143, Radio Vox FM 88.3 (April 2023)
 “Parte II”, La Grieta de lo Increado 142, Radio Vox FM 88.3 (April 2023)
 “Parte I”, La Grieta de lo Increado 132, Radio Vox FM 88.3 (February 2023)
 “Our biggest questions”, Neuroverse podcast, with Clara Lenherr and Carolina Soares (February 2023)
 “Visión Intuitiva”, with Jordi Imbert & Tania Agorreta (January 2023)
 “Neurociencia y Experiencias Cercanas a la Muerte”, with Alejandro Agudo (December 2022)
 “Mente y Realidad”, The Art of Living, with Mirena Ossorno (October 2022)
 “Quantum Reality. A conversatin with Jonathan Allday”, Pari Encounters (October 2022)
 “Conversaciones Humanas: Encuentros Reflexivos”, with Ximena Dávila, Matríztica (July 2022)
 “Phenomenology: The blind spot of science” with Michel Bitbol, BrainInspired Podcast, by Paul Middlebrooks (May 2022)
 “Contra la Naturaleza”, Nirakara Instituto de Investigación y Formación, with Gustavo Diex (April 2020)

Radio interviews

“En los márgenes de la consciencia”. La Rosa de los Vientos, *Ondacero* (2023)
 “Cerebro, mente, y muerte”, Inquietamente *RNE5* (2022)
 “La mente humana en la vida real”, Radio *UMH* (2022)
 “La mente que estudia la mente”, *RNE5* (2020)
 “La semana de la ciencia”, Radio *UMH* (2019)
 “La belleza del cerebro: Cajal en el MIT”, *RNE5* (2018)
 “Hacia una neurociencia en el mundo real”, Radio *UMH* (2019)
 “Sobre mi ciencia”, *UMH* radio (2017)

Newspaper essays

“Con la mente vemos más que con los ojos”. Diario *ABC* (June, 2023)
 “Ciencia de la conciencia: Un regreso al futuro”. El Cultural (375), *La Razón* de México (October, 2022)
 “Nuestro cerebro no es un ordenador”, con Juan Arnau. Ideas, *El País*. (June, 2022)
 “¿Qué pasa con la mente cuando el cerebro muere?”. Periódico *ABC* (June, 2022)
 “¿Dónde se guardan los recuerdos?”. Periódico *El País* (August, 2020)
 “Sueños para no dormir”, con J. L. Alós. *El Salto* Diario (February, 2020)
 “Dibujando la mente: Cajal, el científico que quiso ser artista”. Diario *ABC* (October, 2018)

Newspaper interviews

Interview series in the Spanish newspaper *El Español* entitled AT THE EDGES OF CONSCIOUSNESS (2023):

- Part X: “Decir lo que crees está en peligro de extinción” (2 de septiembre de 2023)
- Part XIX: “La parapsicología es una ciencia (de hecho y por derecho)” (19 de agosto de 2023)
- Part VIII: “¿Por qué (a los expertos les) cuesta cambiar de opinión?” (5 de agosto de 2023)
- Part VII: “El cientifismo y la pseudociencia son primos hermanos” (8 de julio de 2023)
- Part VI: “Ver con “la mente extendida”, una propuesta científica galardonada en EEUU” (26 de junio de 2023)
- Part V: “¿Qué explicación científica tiene el déjà vu, las corazonadas, el placebo o la sincronicidad?” (17 de junio de 2023)
- Part IV: “Lucidez terminal: la vida después de la vida (y su imagen especular)” (27 de mayo de 2023)
- Part III: “Una nueva ciencia de la consciencia es inevitable” (13 de mayo de 2023)
- Part II: “Creo que hay un retorno a la Unidad” [artículo más leído del día] (1 de mayo de 2023)
- Part I: “Mi experiencia cercana a la muerte” [artículo más leído del día] (30 de abril de 2023)

Magazine articles

- “La extrema lucidez al borde de la muerte”. Revista *Muy Interesante* 508 (2023)
- “Cuentos por Contar”, MA Baixauli (ed), in *Mundos por Venir UPV* (2023)
- “Cien años de desencuentro: Einstein y Bergson”. *La Maleta de Portbou* 54, Sept-Oct. (2022)
- “Los hábitos del cosmos”. *Cuadernos Hispanoamericanos* (2021)
- “In science we trust”, with Juan Arnau, *Claves de Razón Práctica* 282: 100-105 (2022)
- “El laberinto de las causas”, with Juan Arnau. *Claves de Razón Práctica* 276: 116-121 (2021)
- “La mente en el laboratorio”, with Juan Arnau. *Claves de Razón Práctica* 269: 88-97 (2020)
- “El lugar que es mi cuerpo”. Open Mind *BBVA* (2019)
- “A portrait of the scientist as a young artist”. *SciArt Magazine* (2018)
- “Vuelo con destino al néctar de la fruta”. *Sapiens Magazine* (2017)

Book prologues

- “En el corazón de la salud”, in Manel Ballester’s *ABC de la Medicina Energética* (2024)
- “El cerebro sagrado”, in Pedro Rodríguez’s *El cerebro divino* (2023)
- “¿Ver para creer?”, in Tania Agorreta & Jordi Imbert’s *Ver sin los ojos es posible* (2022)

Course lectures (at *Instituto de Humanidades Petrarca, Madrid*):

- Part V: “La relación cuerpo-mente: descubrimientos recientes e impacto en nuestra vida” (March, 2022)
- Part IV: “Cuando el cerebro se muere... ¿qué pasa con la mente?” (March, 2022)
- Part III: “¿Qué es la consciencia? Últimas teorías científicas” (March, 2022)
- Part II: “Nuestro cerebro ante las emociones del cuerpo y el miedo a la muerte” (December, 2021)
- Part I: “Percepción y Realidad” (September, 2021)

TED talks

- “El punto ciego de la neurociencia”, TEDx Madrid (Septiembre de 2019) and TED online (2020)

TV appearances

- “Investigando la muerte”. Para Todos La 2, RTVE (June, 2023)
- “La magia de la ciencia: ilusionismo e inteligencia artificial”. Orbita Laika, RTVE (October, 2022)
- “Les paraules dels records”. Trau la Llengua, ApuntMedia TV (2019)

Documentary interviews

- Recorded interview on “Science and the impossible”, directed by Anna Alarcón & Ventura Durán (2024)
- Recorded interview on “Science and death”, directed by Vicente Minguez, BLV edición y gestión audiovisual SL (2023)

CURATION & CHAIRING OF SCIENTIFIC EVENTS**Organization of Online events:**

THEORIES OF CONSCIOUSNESS (February 2024) Making sense of a field in revolt and revolution [6 instalments]: Francesco Ellia, Liad Mudrik, Matteo Grasso, Johannes Kleiner, Anna Ciaunica, Maxwell Ramstead.

GLOBAL FUTURES, CONSCIOUS LEADERSHIP (February 2024) with Bruce Alderman & Jessica Bockler.

A NEW FIELD FOR THE FUTURE (February 2024) Celebrating the 10th anniversary of the “Manifesto for a Post-Materialist Science”: with Karalee Kothe, Lisa Miller, Lorne Schussel, Laurel Waterman, Marjorie Woollacott, Gary E Schwartz.

THE FUTURE MIND (2024) conversation series with selected guests [6 instalments]: Lawrence Kuhn (January) Christof Koch (February) Pim van Lommel (March) Lucia Melloni (April) Carlos Eire (April) Federico Faggin (May), {more to come}.

THE FUTURE HUMAN (2023) conversation series with selected guests [12 instalments]: Jeffrey Kripal (Feb) Satish Kumar (March) John Krakauer (April) Graham Hancock (May) Merlin Sheldrake (May) Jennifer Banks (June) Edi Bilimoria (July) Mauro Biglino (August) Tanya Luhmann (September) Luca Possati (October) Melissa Nelson (November) Michael Murphy (December).

THE FUTURE SCIENTIST (2022) conversation series with selected guests [13 instalments]: Iain McGilchrist (January) Rupert Sheldrake (February) Michel Bitbol (March) Vandana Shiva (April) John Horgan (May) Jimena Canales (June) Peter Sjösted-Hughes (July) Avi Loeb (August), Tim Ingold (September), Stephen Jenkinson (October), Jordi Pigem (November), Shantena Sabbadini (December), Epilogue with the audience.

SCIENCE SET FREE (2022-2024) Dialogues with Rupert Sheldrake [6 instalments]: Part I: The Future Scientist (February 2022); Part II: Are memories stored in brains? (December 2022); Part III: Is science scientific enough? (December 2022); Part IV: Trialogue with Iain McGilchrist (December 2022); Part V: The Science Delusion (March 2023); Part VI: Big Questions in Science (January 2024).

LEYENDO A JACOBO (2023-2024) Un viaje por el legado del Dr. Grinberg a través de sus libros [10 instalments]: Parte I: Introducción; Parte II: La Teoría Sintérgica; Parte III: La Creación de la Experiencia; Parte IV: La Conquista del Templo (parte 1, 2, & 3); Parte V: La Fuerza Vital del Cielo Anterior; Parte VI: Psicofisiología del Poder (parte 1 & 2); Parte VII: Meditación Autoalusiva, {more to come}.

UNFOLDING CONSCIOUSNESS (2023-2024) A conversation series with Edi Bilimoria [10 instalments]: Part I: Introduction; Part II: Materialism and the Problem of Consciousness; Part III: Consciousness is Omnipresent; Part IV: The Mystery Teachings of All Ages; Part V: One Source, Many Tributaries; Part VI: The Composition of Man; Part VII: The Occult Constitution and Nature of Man; Part VIII: Death is Transition; Part XIX: Our brains just ‘wet computers?’; Part XX: The Higher Self, {more to come}.

GALILEO AT 400 (October 2023) Looking through 21st century telescopes [3 instalments]: Part I: The Assayer; Part II: Exploring Outer and Inner Spaces, with Dean Radin and Avi Loeb; Part III: Expanding the Scope of Science, with David Lorimer, Athena Potari and Marjorie Woollacott.

INCREDIBLE MINDS (2023) Exploring actual, virtual, and possible minds across living matter [6 instalments]: Paco Calvo, Lars Chittka, Audrey Dussutour, Michael Levin, Julia Mossbridge, Matthew Segall.

NEXUS (2023) with Jeff Dune.

PARI “INSIGHTS” (2023) Intimate conversations in person in Pari [9 instalments]: Part I: Paul Groff, Part II: Roderick Main, Part III: Etzel Cardena, Part IV: Peter Sjöstedt-Hughes (June 2023) Part V: John Krakauer, Part VI: Mark Vernon, Part VII: Jordi Pigem, Part VIII: Alison Liebling, Part XIX: Melissa Nelson (September 2023).

THE MATTER WITH THINGS (2022) A conversation series with Iain McGilchrist [30 instalments]: Part I: Introduction, Part II: Attention, Part III: Perception, Part IV: Judgement, Part V: Apprehension, Part VI: Emotional & Social Intelligence, Part VII: Cognitive Intelligence, Part VIII: Creativity, Part XIX: Schizophrenia & Autism, Part X: What is Truth?, Part XI: Science’s Claims on Truth, Part XII: The Science of Life, Part XIII: Institutional Science and Truth, Part XIV: Reason’s Claims on Truth, Part XV: Reason’s Progeny, Part XVI: Logical Paradox, Part XVII: Intuition’s Claims on Truth, Part XVIII: The Untimely Demise of Intuition, Part XIX: Intuition, Imagination, and Unveiling, Part XX: The Coincidentia Oppositorum, Part XXI: The One and the Many, Part XXII: Time, Part XXIII: Flow and Movement, Part XXIV: Space and Matter, Part XXV: Matter and Consciousness, Part XXVI: Value, Part XXVII: Purpose, Life, and the Nature of the Cosmos, Part XXVIII: The Sense of the Sacred, Final part: Epilogue, Bonus track: Reflections on The Matter With Things: 1st anniversary celebration, virtual event at The Pari Center (November 8th, 2022).

Organization of In-person events:

HOW TO THINK IMPOSSIBLY (The Pari Center; June 28 – July 1, 2024) with Jeff Kripal.

CONSCIOUSNESS FOR REAL: Towards a New Science of Human Experience (The Pari Center; June 4-11, 2024) with Edi Bilimoria, Michel Bitbol, Monica Gagliano, Marcello Massimini, Paavo Pylkkänen, Jonathan Rowson, Vandana Shiva, Marjorie Woollacott.

SEIZING THE UNDERLYING UNITY: Science, the Arts, and the Sacred (The Pari Center; August 29 – September 5, 2023) with Mary Atwood, John Cleese, John Krakauer, Mervat Nasser, Melissa Nelson, John Pickering, Jordi Pigem, Mark Vernon.

AT THE EDGES OF CONSCIOUSNESS: Science and Anomalous Experiences (The Pari Center; June 6-13, 2023) with Allan Leslie Combs, Etzel Cardéna, Paul Grof, Sarah Janes, Jeffrey Kripal, Roderick Main, Julia Mossbridge, Dean Radin, Peter Sjöstedt-Hughes.

NEVER LAND: Culture, Agriculture and the Striving after Belonging (The Pari Center; May 12-15, 2023) with Stephen Jenkinson.

THE ENCHANTED UNIVERSE (The Pari Center; September 2022) with Jessica Ball, Bernard Carr, Patrick Curry, Ruth Kastner, Hester Reeve.

LIVING HISTORY (2019-2022) The History of Spanish Neuroscience told in First Person, with Constantino Sotelo, Miguel Marín-Padilla, José María Delgado, Alberto Ferrús, Washington Buño, Carlos Belmonte, Luis Puelles.

CAUS(YN)E (Lisbon, 2019) A workshop at the Causal Systems Neuroscience meeting, with Ahissar, Brette, Ciaunica, Florin, Kastner, Longo, Rusanen, and Yoshihara.

LA INVESTIGACIÓN IMPROBABLE (Alicante, 2019) Retóricas de excelencia, políticas de precariedad, with Javier López Alós.

MEMORY SCHOOL (Toledo, 2018) with Jose Carmena, Rodrigo Quiroga, Richard Morris, Randy Gallistel, Chiara Cirelli, and Giulio Tononi.

SHARED PRINCIPLES OF ANIMAL BEHAVIOR ACROSS SPECIES (Berlin, 2018) Symposium at the FENS conference, with Gonzalo de Polavieja, Barbara Webb, Ilan Golani, and Max Werner.

QUANTITATIVE HUMAN BEHAVIOR (Manchester, 2018) Symposium at the Measuring Behavior conference, with Warren Mansell, Max Parker, Adam Matic, Ben Hawker, Huddy Vyv, and Roger Moore.

FREQUENTLY UNASKED QUESTIONS IN NEUROSCIENCE (Alicante, 2018) [8 instalments]: with Ehud Ahissar, Harald Atmanspacher, Heather Bell, Asif Ghazanfar, Paul Katz, Don Katz, John Krakauer, and Gerald Loeb.

MEMORY MEETING (Alicante, 2017) with Richard Morris, Björn Brembs, de la Rosa, Justo García de Yébenes, Rodrigo Quiroga, Claudio Mirasso, Miguel Ángel Gea, Jordi Camí, Emmanuel Fort, Felipe Criado, and Mariano Sigman.

SHARED PRINCIPLES OF ANIMAL BEHAVIOR ACROSS SPECIES (Alicante, 2017) Symposium at SENC conference, with Francesco Lacquaniti, André Brown, Frederic Bartumeus, Greg Stephens, and Thomas Akam.

CIRCUITS & BEHAVIOR (Alicante, 2016) Severo Ochoa Symposium, with Gordon Berman, Robert Froemke, Julijana Gjorgjieva, Jason Kerr, Pater Magill, and Mavi Sanchez-Vives.

THE ROLE OF FIRST-PERSON EXPERIENCE IN NEUROSCIENCE (Lisbon, 2015) Advanced course at the Champalimaud Neuroscience Programme, with Rudstrøm, Palokangas, Rui Costa, and Zach Mainen.

NEUROSCIENCE & CONSCIOUSNESS (Claremont, 2015) At the Center for Process Studies conference entitled Seizing an Alternative: Towards an Ecological Civilization, with Gordon Globus, Georg Northoff, Clayton, Klein, Mike Epperson, and Rod Hemsell.

QUANTUM COGNITION (Lisbon, 2015) Seminar series at the Champalimaud Neuroscience Programme, with Jerome Busemeyer, Yasser Omar, and José Ignacio Latorre.

HOMOLOGY IN NEURO-ETHOLOGY (Lisbon, 2014) Advanced course at the Champalimaud Neuroscience Programme, with David Moore, Frank Hirth, Gaby Maimon, Ilan Golani, and Francesco Lacquaniti.

DYNAMICAL REPRESENTATIONS OF ANIMAL BEHAVIOR: WHY AND HOW? (Holland, 2014) Symposium at the Measuring Behavior conference, with Greg Stephens, Andre Brown, Eugenia Chiappe, Carlos Ribeiro, Ilan Golani, Yair Wexler, Joe Paton, and Oliver Stiedl.

VARIABILITY IN BIOLOGY (Lisbon, 2013) Advanced course at the Champalimaud Center for the Unknown, with Alex Pouget, Alfonso Renart, Asohan Amarasingham, Björn Brembs, Jordi Garcia-Ojalvo, Philippe Cluzel, Sarah Wooley, Tony Bell, Zach Mainen.

THE IDEA OF SELF (Barcelona, 2012) Neurobiology and Philosophy scientific café with Rupert Glasgow.

THEORY IN BIOLOGY (Barcelona, 2012) Regular series at the Center for Genomic Regulation.

MODELING FOR SYSTEMS BIOLOGY (Barcelona, 2011) A summer course at the Center for Genomic Regulation.

CURRENT THEORETICAL ISSUES IN BIOPHYSICS & SYSTEMS BIOLOGY (2011) Lecture series with Bill Bialek.

TRAINING

Scientific

2012	Animal experimentation course for scientific staff	80 hours	Faculty of Medicine, UB
2011	Introduction to Artificial Intelligence Course	online	Stanford University
2009	Neurobiology of <i>Drosophila</i> course	3 weeks	Cold Spring Harbor Lab

Leadership & Communication

2015	Empowering collaboration for effective organization	32 hours	Thrive-In Collaboration
2012	Leading for Success in Science - Proficient	8 hours	HFP Consulting
2011	Leading for Success in Science - Advanced	27 hours	HFP Consulting
2009	Leading for Success in Science - Introduction	35 hours	HFP Consulting
2012	Communication in a multicultural world	8 hours	by Alicia Marín
2012	Communication Science to the News Media	8 hours	by Eric May
2011	Visual Storytelling: An introduction to filmmaking	16 hours	by Eric May
2010	Acting Skills for Scientific Communication	8 hours	by Fernando Gallego
2010	Grant Writing for Post-Docs and Junior PIs	8 hours	by Bertero & Vives
2009	Media Skills Workshop	8 hours	by Eric May
2009	Time Management	4 hours	by Grupo Med Consulting

Other training

2011	Postdoc Representative at the Advisory Committee of the PRBB Intervals Programme (CRG-PRBB)
2009	Lecturer Professor Accreditation by the Quality Agency for the Catalan University System
2010	Holistic Kinesiology course (14 months) at Vipassana Institute, Barcelona
2010	Album release as guitar player at Quimera Records
2004	Certified Basketball Trainer by the Catalan Federation
2003	Schwinn Cycling Bronze Level Instructor Certification
2001	One-star Diver by the Spanish Federation (FEDAS)
2000	Youth Monitor Certification by the Catalan Government

Other distinctions and mentions

2015	Selected and funded to attend the 2015 Lindau Nobel Laureate Meeting
2013	Finalist at the Invest in Science initiative video contest (EU)
2013	Preselected for the Panton Fellowship for Open Data in Science (UK)
2013	Selected researcher for Interdisciplinary dialogue at Fundação Casa Mateus (Portugal)

ENTREPRENEURSHIP

2013	Co-founder (with Gavin Lucas) of <i>ThePaperMill.eu</i> spin-off (Manuscript Support Services for Research)
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ART & SCIENCE INTERDISCIPLINARITY

Member of the History Committee of the Spanish Society for Neuroscience SENC (2019-2024)

Video exposition in NeuroART, congreso (Spanish Society for Neuroscience SENC, 2019)

“Animal *taché*”, (Propeller Art Magazine, 2018)

“A portrait of the scientist as a young artist” (SciArt Magazine, 2018)

“Sequencing the Worm’s Ethome”, Prize-Winning Images of the Brain, MIND: The Art of Neuro (Sci American, 2018)

“Behavioral Timescapes”, NeuroArt 1st prize Video Category (Spanish Society for Neuroscience, 2017)

The Beauty of Science exposition (Casa de la Cultura, Alicante, 2017)

Vernadsky project (Centro de Arte de Sines, Portugal, 2017)

At the MIT (USA):

The Beautiful Brain: The Drawings of Ramón y Cajal (Guided tour, MIT Museum, 2018)

Mind Myths, (MIT Museum, 2018)

At the Centro Cultural de Belém (Lisbon):

Roots of Curiosity project (CCB & CNP, Portugal, 2014-15):

Book: Roots of Curiosity: Time for Science and Art

Documentary: Roots of Curiosity (director: Claudia Varejao)

Documentary: Semear o Tempo (director: Claudia Varejao)

Conference: Champalimaud Center for the Unknown

Performance: Cultural Centre of Belem

Workshops: Thinking with your body (with Sara Anjo)

Residency: Nine months work with five artists and five neuroscientists

Art of Neuroscience KNAW 2014 competition (the Netherlands, 2014):

Honorable mention by the Royal Netherlands Academy of Arts and Science & Netherlands Institute for Neuroscience

LANGUAGES

Catalan (native); **Spanish** (native); **English** (proficient: CPE, Cambridge 2001); **Portuguese** (intermediate); **French** (basic)

REFERENCES

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Iain McGilchrist, PhD (iain@iainmcgilchrist.com) Independent Scholar, UK

John Krakauer, PhD (jkrakau1@jhmi.edu) Johns Hopkins University, USA

Rui Costa, PhD (rc3031@columbia.edu) Allen Institute, USA

Rupert Sheldrake, PhD (rupert@rsheldrake.org) Independent Scientist, UK

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