

Curriculum Vitae

PERSONAL INFORMATION

Name: Germán Sumbre **Family status:** Married plus two children
Place of birth: Buenos Aires, Argentina. **ORCID number:** 0000-0003-4436-6840
Telephone: +33 (0)1 44 32 23 67 **E-mail:** sumbre@bio.ens.psl.eu
Website: www.zebbrain.biologie.ens.fr

EDUCATION

2010 *Habilitation à Diriger des Recherches (HDR). Diploma required to supervise PhD students. Université Descartes - Paris V, France. Neurosciences.*

1998-2004 *Ph.D. Hebrew University of Jerusalem, Israel. Brain Sciences and Behavior. Topic: Motor control of the octopus arm movement. Advisor: Prof. Binyamin Hochner.*

1995-1997 *Army service.*

1991-1994 *B.Sc. Hebrew University of Jerusalem, Israel. Biology. Topic: Wing-beat coupling among flying locusts. Advisor: Prof. Jeff Camhi.*

POSITIONS

2009- *Director of Research class 2, INSERM. France.*

2008- *Group leader, Ecole Normale Supérieure, Paris. France. Avenir team.*

2004-2008 *Postdoctoral fellow. University of California Berkeley. USA. Topic: Neural basis of perceptual memory of time interval in zebrafish. Advisor: Prof. Mu-Ming Poo.*

JOURNAL PUBLICATIONS

- Lloyd, E., McDole, B., Privat, M., Jaggard, J. B., Duboué, E., **Sumbre, G.** & Keene, A. (2022) Blind cavefish retain functional connectivity in the tectum despite loss of retinal input. *Current Biology*. 32(17):3720-3730.e3
- Duchemin, A., Privat, M., & **Sumbre G.** (2022). Fourier Motion Processing in the Optic Tectum and Pretectum of the Zebrafish Larva. *Front. Neural Circuits*, 15(January), 1–15. <https://doi.org/10.3389/fncir.2021.814128>
- Privat, M.; and **Sumbre G.** (2020) Naturalistic Behavior: The Zebrafish Larva Strikes Back. *Current Biology*. 30(1): R27-R29.
- Privat, M., Romano, S. A., Pietri, T., Jouary, A., Boulanger-Weill, J., Elbaz, N., Duchemin, A., Soares, D., **Sumbre G.** (2019). Sensorimotor Transformations in the Zebrafish Auditory System. *Current Biology*. 29(23):4010-4023.e4.
- Boulanger-Weill, J.; and **Sumbre G.** Functional integration of newborn neurons in the zebrafish optic tectum. *Frontiers in Cell and Developmental Biology*, 7: 57. 2019.
- Ponce-Alvarez, A.; Jouary, A.; Privat, M.; Deco, G.; and **Sumbre G.** (2018) Whole-Brain Neuronal Activity Displays Crackling Noise Dynamics. *Neuron*. 100(6):1446-1459.e6.

7. Marachlian, E.; Avitan, L.; Goodhill, G., J.; and **Sumbre G.** Principles of Functional Circuit Connectivity: Insights From Spontaneous Activity in the Zebrafish Optic Tectum. *Front. Neural Circuits*, 12(June): 1-8. 6 2018.
8. Romano SA, Pérez-Schuster V, Jouary A, Boulanger-Weill J, Candeo A, Pietri T, **Sumbre G.** (2017) An integrated calcium imaging processing toolbox for the analysis of neuronal population dynamics *PLOS Computational Biology*. 13, e1005526.
9. Boulanger-Weill J, Candat V, Jouary A, Romano S, Pérez-Schuster V, **Sumbre G.** (2017) Functional Interactions between Newborn and Mature Neurons Leading to Integration into Established Neuronal Circuits. *Current Biology*. 27(12):1707-1720.e5
10. Pietri, T., Romano, S.A., Pérez-Schuster, V., Boulanger-Weill, J., Candat, V., and **Sumbre G.** (2017). The Emergence of the Spatial Structure of Tectal Spontaneous Activity Is Independent of Visual Inputs. *Cell Reports*. 19, 939–948.
11. Pérez-Schuster V, Kulkarni A, Nouvian M, Romano SA, Lygdas K, Jouary A, Dipoppa M, Pietri T, Haudrechy M, Candat V, Boulanger-Weill J, Hakim V, **Sumbre G.** (2016) Sustained Rhythmic Brain Activity Underlies Visual Motion Perception in Zebrafish. *Cell Reports*. 17, 4:1098-1112.
12. Jouary A, Haudrechy M, Candelier R, **Sumbre G.** (2016) A 2D virtual reality system for visual goal-driven navigation in zebrafish larvae. *Scientific Reports*. 6, 34015; doi: 10.1038/srep34015
13. Candelier R*, Murmu MS*, Romano SA, Jouary A, Debregeas G*, **Sumbre G.*** (2015) A microfluidic device to study neuronal and motor responses to acute chemical stimuli in zebrafish. *Scientific Reports*. 5(12196) doi: 10.1038/srep12196
14. Romano SA, Pietri T, Pérez-Schuster V, Jouary A, Haudrechy M and **Sumbre G.** (2015) Spontaneous neuronal network dynamics reveal circuit's functional adaptations for behavior. *Neuron*. 85(5):1070–1085.
15. **Sumbre G.** and de Polavieja GG. (2014) The world according to zebrafish: how neural circuits generate behavior. *Front. Neural Circuits*. 8(91) doi: 10.3389/fncir.2014.00091.
16. Pietri T, Roman AC, Guyon N, Romano SA, Washbourne P, Moens CB, de Polavieja GG, **Sumbre G.** (2013) The first mecp2-null zebrafish model shows altered motor behaviors. *Front. Neural Circuits*. 7(118) doi:10.3389/fncir.2013.00118
17. Panier T, Romano S, Olive R, Pietri T, **Sumbre G.**, Candelier R and Debrégeas. (2013) Fast functional imaging of multiple brain regions in intact zebrafish larvae using Selective Plane Illumination Microscopy. *Front. Neural Circuits*. 7(65) doi: 10.3389/fncir.2013.00065
18. Lim BK, Cho SJ, **Sumbre G.**, Poo MM. (2010) Region-specific contribution of ephrin-B and Wnt signaling to receptive field plasticity in developing optic tectum. *Neuron*. 65(6):899-911.
19. Zullo L, **Sumbre G.**, Angisola C, Flash T and Hochner B. (2009) Non-somatotopic organization of the higher motor centers in octopus. *Current Biology*. 19(19):1632-1636.
20. **Sumbre G.**, Muto A, Baier H and Poo MM. (2008) Entrained rhythmic activities of neuronal ensembles as perceptual memory of time interval. *Nature*. 456(7218):102-106. (*Ahead Of Publication*)

21. Shelly M, Cancedda L, Heilshorn S, **Sumbre G** and Poo MM (2007) LKB1/STRAD promotes axon initiation during neuronal polarization. *Cell*. 129(3):565-577.
22. **Sumbre G**, Fiorito G, Flash T and Hochner B. (2006) Octopuses Use a Human-like Strategy to Control Precise Point-to-Point Arm Movements. *Current Biology*. 16(8):767-772.
23. **Sumbre G**, Fiorito G, Flash T and Hochner B. (2005) Motor control of flexible octopus arms: The octopus borrows a jointed-vertebrate strategy to transfer an item between points. *Nature*. 433(7026):595-596.
24. Yekutieli Y, **Sumbre G**, Flash T and Hochner B. (2002) How to move with no rigid skeleton? The octopus has the answers. *Biologist*. 49(6):250-254.
25. **Sumbre G**, Gutfreund Y, Fiorito G, Flash T and Hochner B. (2001) Control of octopus arm extension by a peripheral motor program. *Science*. 293(5536):1845-1848.
26. Camhi J, **Sumbre G** and Wendler G. (1995) Wing-beat coupling between flying locust pairs: Preferred phase and lift enhancement. *Journal of Experimental Biology*. 198(4):1051-1063.
27. Kutsch W, Camhi J and **Sumbre G**. (1994) Close encounters among flying locusts produce wing-beat coupling. *Journal of Comparative Physiology A*. 174(5):643-649.

PREPRINT PUBLICATIONS

1. Lloyd, E., McDole, B., Privat, M., Jaggard, J. B., Duboué, E., **Sumbre, G**, & Keene, A. (2021). Blind cavefish retain functional connectivity in the tectum despite loss of retinal input. *bioRxiv*, 2021.09.28.461408. <https://doi.org/10.1101/2021.09.28.461408>
2. Tangara, A., Paresys, G., Bouallague, F., Cabirou, Y., Fodor, J., Llobet, V., **Sumbre, G**. (2019). An open-source and low-cost feeding system for zebrafish facilities. *bioRxiv*, 1–15.
3. Romano, S.A., Pérez-schuster, V., Jouary, A., Candeo, A., Boulanger-Weill, J., and **Sumbre, G**. (2017). A computational toolbox and step-by-step tutorial for the analysis of neuronal population dynamics in calcium imaging data. *bioRxiv*. doi: 10.1101/103879
4. Jouary A and **Sumbre G**. Automatic classification of behavior in zebrafish larvae. *bioRxiv*. Doi: 10.1101/052324

MONOGRAPHS

1. **Sumbre G**, and Poo MM. Imaging neuronal ensemble activity and motor behaviour in zebrafish. in *Optical Imaging in Neuroscience: A Laboratory Manual* (CSHL press). Ed. Rafael Yuste (2011).
2. The world according to zebrafish: How neural circuits generate behaviour. *Front Neural Circuits* Ed. **Sumbre G**, and de Polavieja GG (2014). eBook.

OUTREACH PUBLICATIONS

- **Sumbre G**, Yekutieli Y, Hochner B. (2003) Wisely living without a skeleton. *Times Educational Supplement (TES)*, *United Kingdom*.

FREE OPEN-SOURCE SOFTWARE & HARDWARE DEVELOPMENT

Germán Sumbre CV

- Computational toolbox for analysis of calcium imaging data of neuronal populations.
<https://github.com/zebrain-lab/Toolbox-Romano-et-al>
- 2D virtual reality system for zebrafish larvae. <https://www.zebrain.biologie.ens.fr/codes/index.html>
- Open-source food dispenser for fish facilities.
https://www.fablab.biologie.ens.fr/dry_food_system_download.html

INVITATIONS TO CONFERENCES

2022 **Webinar Zebrafish** (Virtual)

2022 **6th Imaging Structure and Function in zebrafish, Norway.**

2022 **Mateadas de neurociencia, Argentina** (Virtual)

2022 **Astyanax international meeting, USA**

2021 **NeuroFrance** (Virtual)

2020 **Mateadas de neurociencia, Argentina** (Virtual)

2020 **Physics of living systems, France** (Virtual)

2019 **Brainswick, Germany**

2019 **IZFS conference, China**

2019 **Gordon conference, Swiss**

2018 **5th Imaging Structure and Function in the Zebrafish, UK.**

2017 **Zebrafish workshop, NIH, USA.**

2017 **EFOR conference, France.**

2016 **Neural Network Dynamics in Health and Disease, Marseille, France.**

2016 **4th Imaging Structure and Function in the Zebrafish, Germany.**

2016 **4th European zebrafish PI meeting, Portugal.**

2015 **NeuroBridgess, France.**

2015 **PSL-UCL workshop, UK.**

2015 **Zebrafish workshop, Janelia Farm, USA.**

2014 **3rd Imaging Structure and Function in the Zebrafish Paris, France.**

2014 **3rd European zebrafish PI meeting, Israel. (speaker & chairman)**

2013 **Computational Neuroscience Society. Paris, France.**

2012 **2nd Imaging Structure and Function in the Zebrafish Brain, UK.**

INVITATIONS TO UNIVERSITIES

2022 **Instituto Clemente Estable, Uruguay**

2021 **Weizmann Institute, Israel.**

2021 **Université de Paris**

2021 **Institut fer a moulin, Paris** (Virtual)

2020 **Italian Institute of Technology, Italy** (Virtual)

2020 **Florida Atlantic University, USA**

2020 **Imagine, France** (Virtual)

2020 **Institut des Neurosciences Timone, France**

2019 **University Paul Sabatier, France**

2019 **Institute of Neuroscience (ION), China**

2019 **University of Edinburgh, UK.**

2018 **University of Miami, USA.**

2018 **INSERM, DL, France.**

2017 **FMI Institute, Switzerland.**

2017 **MPI Brain Frankfurt, Germany.**

2016 **IBioBA Max Plank, Argentina.**

2016 **Universitat Pompeu Fabra, Spain.**

2014 **MPI for neurobiology, Germany.**

2012 **Hebrew University of Jerusalem, Israel.**

2012 **Tel Aviv University, Israel.**

2012 **Institut de la Vision, France.**

2010 **CNRS – Gif-sur-Yvette, France.**

2009 **Instituto Cajal (CSIC), Spain.**

2009 **Group of neural theory, ENS, France.**

2008 **Fond. Pierre-Gilles de Genes, France.**

2008 **École Normale Supérieure, France.**

2008 **Columbia University, USA.**

2008 **City College of New York, USA.**

2008 **Rockefeller University, USA.**

- 2012 *International Congress of Neuroethology, USA.*
- 2012 *Young researchers life sciences, France. (chairman)*
- 2012 *French-Israel Assoc. Neuroscience, France.*
- 2011 *Swiss Society for Neuroscience, Swiss.*
- 2011 *Montagne St Genevieve conference, France.*
- 2011 *EFOR conference, France.*
- 2010 *1st Imaging Structure and Function in the Zebrafish, Portugal.*
- 2010 *EU Zebrafish Neurophysiology and behaviour meeting, UK*
- 2010 *EMBO|EMBL, Neuronal Circuits, Germany.*
- 2010 *ITMO Neurosciences, France*
- 2010 *Développement des Réseaux Neuronaux, France.*
- 2010 *IBENS-Necker conference, France.*
- 2010 *French-Israel assoc. for neuroscience, Israel.*
- 2009 *Institut Pasteur-ENS neuroscience, France.*
- 2009 *I Reunión de Neurociencias, Argentina.*
- 2009 *Sociedad Española de Neurociencias, Spain.*

PRIZES AND AWARDS

- 2022 International Emerging Actions (IEA)
- 2021 Agence Nationale de Recherche (ANR)
- 2021 Human Frontiers Science Program grant (HFSP)
- 2020 CRCNS ANR-NSF
- 2016 European Research Council consolidator grant (ERC CoG).
- 2009 European Research Council starting grant (ERC StG).
- 2009 ERASysBio plus.
- 2009 Ville de Paris start-up grant.
- 2009 Marie Curie international re-integration grant (IRG).
- 2008 Avenir grant, INSERM.
- 2010 Prime d'Excellence Scientifique – INSERM.
- 2008 Pierre-Gilles de Genes Fellowship.
- 2002 Katzir-Katchalsky fellowship.
- 2001 Gruss Lipper Foundation fellowship.
- 2000 Faculty award for excellence in scientific research.
- 2000 Golda Meir award.

TEACHING ACTIVITIES

- 2022 Postgraduate Course on Professional Training in Research, Uruguay
- 2017- Neuroethology, ENS, *Masters* (organiser and teacher)
- 2017-2020 Tutorial project in functional imaging and optogenetics, ENS, *BSc* (organiser & teacher)
- 2017- Neuroscience, ENS, *BSc* (teacher)
- 2019 Computational biology project (supervisor)

- 2015-2020 Interdisciplinary tutorials in neurosciences (supervisor)
 2013-2016 Neurophysiology, UPMC, ENS. *Masters*. (teacher)
 2012-2014 Optogenetics, Université Paris VII, Diderot, Paris. *Masters*
 2010-2011 Functional imaging in neuroscience. ENS. *Masters/BSc*
 2010 Introduction to neurobiology for mathematicians. ENS. *BSc*.
- 2003-2004 Teaching assistant “*Introduction to physiology*”, Hebrew University *BSc*.
 2001-2002 Teaching assistant “*Advanced physiology*”, Hebrew University. *BSc*.
 1999-2004 Teaching assistant “*Research techniques in neurobiology*”, Hebrew University. *PhD*.

Non-academic

- 1998-2002 Mathematics and English instructor for Ethiopian immigrants, Israel.
 1998-1999 Belmonte Institute for high-school students, Hebrew University, Israel.
 1997 Environment conservation, english & mathematics instructor, Shiabru-Besi Tibetan School, Nepal.
 1997 Permaculture instructor at INSAN, Nepal.
 1993-1994 Mathematics instructor for visually challenged preparatory students, Hebrew University, Israel.

ORGANISATION OF SCIENTIFIC MEETINGS

- 2024 7th Imaging Structure and Function in the Zebrafish Brain (conference organizer), Israel.
 2022 Organization of the Neuroscience conferences at PSL.
 2022 1st symposium of the french neuroethology club (organizer), virtual.
 2022 International Congress of Neuroethology (satellite organizer), Portugal.
 2020- International seminar series on zebrafish neural circuits & behaviour (organizer), virtual.
 2018 International Congress of Neuroethology (satellite organizer), Australia.
 2017 NeuroFrance (symposium organizer), France.
 2016 International Congress of Neuroethology (symposium organizer), Uruguay.
 2014 3rd Imaging Structure and Function in the Zebrafish Brain (conference organizer), France.
 2013-2022 Organization of the Neuroscience conferences at IBENS.

INSTITUTIONAL RESPONSIBILITIES

- 2021-2022 Member of the Inserm regional analysis commission.
 2021- Founder and organizer of the French neuroethology club (affiliated to the French society of neuroscience and the international neuroethology society).
 2021-2022 Member of the communication committee of the Sociedad Argentina de Neurociencia (SAN)
 2019- Member of the *Labex MemoLife2 steering committee*.
 2018- Scientific manager of the IBENS's aquacol platform.
 2018 Participant of brain-storming workshop on French neuroscience research in 20 years, *ITMO NNP*
 2018- Member of *Structure for animal welfare* - IBENS
 2013 Member of the *IBENS' recruitment committee*
 2010-2018 Member of the *Labex MemoLife steering committee*

COMMISSIONS OF TRUST

Journals	Grants and universities
Editorial board member <i>Scientific Reports</i>	Ad hoc reviewer <i>ERC consolidator grants</i>
Editorial board member <i>Front. in Neural Circuits</i>	Ad hoc reviewer <i>Wellcome trust</i>
Recommender member <i>Peer Community in neuro</i>	Ad hoc reviewer <i>EMBO long-term fellowships</i>
Ad hoc reviewer <i>Neuron</i>	Evaluation expert <i>FP7-PEOPLE- CIG</i>
Ad hoc reviewer <i>Nature Neuroscience</i>	Evaluation expert <i>H2020-MSCA- IF</i>

Ad hoc reviewer **Nature Computational Science**
Ad hoc reviewer **Current Biology**
Ad hoc reviewer **Nature Communications**
Ad hoc reviewer **eLife**
 Review editor for **Frontiers in Neural Circuits**
Ad hoc reviewer **Nature Protocols**
Ad hoc reviewer **Cell Reports**
Ad hoc reviewer **Journal of neuroscience**
Ad hoc reviewer **Journal of neurosci. methods**
Ad hoc reviewer **Journal of Physiology**
Ad hoc reviewer **PLOS Computational Biology**
Ad hoc reviewer **Bioinformatics**
Ad hoc reviewer **PLOS One**
Ad hoc reviewer **J. of Visualized Experiments**
Ad hoc reviewer **Developmental Biology**
Ad hoc reviewer **Developmental Neurobiology**
Ad hoc reviewer **FASEB Journal**
Ad hoc reviewer **Cell & Developmental Biology**

Ad hoc reviewer **French research agency (ANR)**
Ad hoc reviewer **Medical research council (MRC)**
Ad hoc reviewer **Boehringer Ingelheim Fonds**
Ad hoc reviewer **HSFP Grants**
Ad hoc reviewer **Ville de Paris starting grants**
Ad hoc reviewer **US-Israel science foundation**
Ad hoc reviewer **Bar-ilan University**
Ad hoc reviewer **CSIC, Uruguay**
Ad hoc reviewer **Israel Science Fondation**
Ad hoc reviewer **Weizmann Institute**

Ad hoc reviewer **German-Israeli Foundation**

PUBLIC SERVICES AND DISSEMINATION

2022 Brain awareness week – visite insolite – **speaker**.
2022 Collaboration with music composer (Muse-IC project), **scientific outreach**.
2022 Collaboration with Paris School of Graphic Arts (EPSAA), **scientific outreach**.
2018- INSERM, CR tenure **tutor**
2019- International society for neuroethology, **mentor**
2019 ENS Brain awareness week – **speaker**
2018- ENS exiled students program, **tutor**
2016- INSERM, ERC preparation, **coach**
2013 Supervision of high-school students - **program apprentis chercheurs**
2011- Several talks and workshops in primary and high schools

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

- Society for Neuroscience (USA)
- Société Française de Neurosciences
- International Zebrafish Society
- Sociedad Argentina de Neurociencia
- International Society of Neuroethology

INTERNATIONAL COURSES & WORKSHOPS

2022 Certificate for professional breeding of non-domestic animals, **DTPP**, France
2019 Animal experimentation and project developer, level B, **CNRS**, France.
2018 Media training, **INSERM**, France.
2011 Management of research laboratory for team leaders, **INSERM**, France.
2005 Structure Imaging & Function in the Nervous System, **CSHL** New York, USA.
2004 Training course on multi-photon lasers, **Spectra-Physics**, California, USA.
2004 Neural development & genetics of zebrafish, **MBL**, Woods Hole, USA.
2004 Cortical imaging, **Hebrew University of Jerusalem**, Israel.
2001 Neural systems & behavior, **MBL**, Woods Hole, USA.
1994 Invertebrate neuroethology, **Hebrew University of Jerusalem**, Israel.

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

Position	Current status
PhD	Tenure researcher, University of Buenos Aires, Argentina
PhD	Postdoc Harvard University, USA

PhD	Postdoc Champalimaud institute for the unknown, Portugal
PhD	Postdoc Max-Planck for Biological Intelligence
PhD	<i>Current member of the lab (ENP fellowship)</i>
PhD	<i>Exploradome (ENS Cachan fellowship)</i>
PhD	<i>Current member of the lab (AI4Sciences cofund fellowship)</i>
PhD	<i>Current member of the lab (FRM fellowship)</i>
PhD	<i>Current member of the lab (FIRE fellowship)</i>
Postdoc	Tenure researcher, Conicet and Instituto Max-Planck, Argentina
Postdoc	Scientific editor at Cell Reports (Cell Press)
Postdoc	Postdoc CEA, France
Postdoc	<i>Current member of the lab (marie curie fellowship)</i>
Postdoc	<i>Current member of the lab (Fondation Recherche Medicale)</i>
Postdoc	<i>Current member of the lab</i>
Technician (IR)	<i>Current member of the lab</i>
Technician (IE)	<i>Current member of the lab</i>
Technician (ITA INSERM)	<i>Current member of the lab</i>

PhD and HDR THESES COMMITTEE

2022 Italian Institute of Technology (PhD) – reporter
2021 Sorbonne University (PhD) – reporter
2020 INSERM – tutor of young tenured researcher
2020 Sorbonne University (PhD) – reporter
2020 Imagine institute (HDR) – member
2019 ENS (HDR) - member
2019 Paris Sud (HDR) – member
2019 INSERM – tutor of young tenured researcher
2019 Sorbonne University (HDR) – member
2018 Max Planck Institute for Neurobiology (PhD) - member
2018 University of Luxembourg (PhD) – reporter
2017 ENS (PhD) – member
2013 Paris Sud (PhD) – reporter
2012 ENS (PhD) - member

*member of 7 national and international thesis committees (TACs).

ADDITIONAL RESEARCH EXPERIENCE

2001 *Research assistant, UCLA.*
Topic: Role of Aplysia's post synaptic neurons in LTP and STDP.
Advisor: Dr. David Glanzman.

1998-2001 *Research assistant, Natural History Museum, Hebrew University.*
Topic: Development of an insect's behavior exposition.
Advisor: Dr. Jeff Camhi.

CONFERENCE PRESENTATIONS

- **Sumbre G**, Gutfreund Y, Fiorito G, Flash T, Hochner B. (1998) *ISFN, Neurosci. Lett. Supp.* 51:S42. (lecture)
- **Sumbre G**, Gutfreund Y, Fiorito G, Flash T, Hochner B. (1999) *SFN*, 49, 13. (lecture)
- **Sumbre G**, Fiorito G, Flash T, Hochner B. (1999) *ISFN Neurosci. Lett. Supp.* 54:S40 (poster)
- **Sumbre G**, Fiorito G, Flash T, Hochner B. (2000) *ISFN, Neurosci. Lett. Supp.* 55:S56. (lecture)
- **Sumbre G**, Flash T, Hochner B (2001) *ISFN, Neural Plasticity.* (poster)
- **Sumbre G**, Flash T, Hochner B (2001) *ICNC-Caltech-ETH.* (poster)
- **Sumbre G**, Flash T, Hochner B (2002) *ISFN, Soc. Neurosci. Abstr.* 767, 14. (poster)
- **Sumbre G**, Flash T, Hochner B (2002) *ISFN, Neural Plasticity* (poster)
- **Sumbre G**, Fiorito G, Flash T, Hochner B. (2003) *ICNC, Ein Gedi.* (lecture)
- **Sumbre G**, Flash T, Hochner B (2003) *ISFN, Neural Plasticity.* (poster)
- **Sumbre G**, Fiorito G, Flash T, Hochner B. (2004) *ICNC* (poster)
- **Sumbre G** and Poo, MM. (2007) *SFN*, 641, 12. (poster)
- **Sumbre G** and Poo, MM. (2007) *HWNI retreat* (lecture)
- **Sumbre G** and Poo, MM. (2007) *Bay Area Neuroscience Gathering* (poster)
- **Sumbre G** (2008) *Israel Society for Neuroscience* (lecture)
- **Sumbre G** (2010) *Jacques Monod, Roscoff, France* (lecture)
- **Sumbre G** (2015) *The Assembly and Function of Neuronal Circuits, Ascona, Switzerland* (poster).