

## Curriculum vitae

### PERSONAL INFORMATION

#### Gori Monica

Date of birth: May 6, 1980;

Nationality: Italian

ORCID ID [orcid.org/0000-0002-5616-865X](https://orcid.org/0000-0002-5616-865X); Scopus Research ID: 23491803400; ResearcherID: A-1238-2014

URL site: <https://www.iit.it/research/lines/unit-for-visually-impaired-people>

Lab Activity: [www.youtube.com/watch?v=ZiSsDLUS\\_UQ](https://www.youtube.com/watch?v=ZiSsDLUS_UQ)

### EDUCATION

2005-2009 Ph.D. in Humanoid Technologies, University of Genoa, Italy. Final dissertation: Multimodal Integration in Adults and Children. Tutor: *Prof. David Burr*. Date: January 2009

1999-2004 Degree (summa cum laude) in Psychology, University of Florence, Italy. Supervisor: Prof. Michela Del Viva. Date: July 2004

2021-Pre Habilitation Ordine of Psychologists, Università degli studi di Torino (ITA)  
Iscritto all'Albo dell'Ordine degli Psicologi della Liguria. Numero di iscrizione, ###.

2004-2005 Tirocinio Professionalizzante Post-Lauream presso Dip. di psicologia, Università di Firenze

2017 Habilitation for University as Associate Professor Psicologia Generale

#### • CURRENT POSITION(S)

2015-2020 **Tenure Track head of the U-VIP** Unit for Visually Impaired People, Italian Institute of Technology, Genova, Italy (11 people considering Ph.D., Post-Doc and one technician)

2020-Present **Senior Scientist Tenured, head of the U-VIP** Unit for Visually Impaired People, Italian Institute of Technology, Genova, Italy (20 people considering Ph.D., Post-Doc and one technician)

#### • PREVIOUS POSITIONS

2012-2015 Team Leader Visual-Haptic Lab, RBCS, Italian Institute of Technology, Genova, Italy

2009-2012 Post Doc RBCS, Italian Institute of Technology, Prof. Giulio Sandini, Genova, Italy.

2008 Part of Ph.D. Dep. of Ophthalmology, Prof. Martin Bank's, University of Berkeley, USA

2004-2005 Fellow Institute of Neuroscience CNR, Prof. David Burr's Lab, Pisa, Italy

2003-2004 Master Student Institute of Neuroscience CNR, Prof. David Burr's Lab, Pisa, Italy

#### • AWARDS and HONOURS

2008 Listed in the faculty of 1000: Gori et al. 2008; Young children do not integrate visual and haptic form information. *Curr Biol.*;

2008 Invited Commentaries In Major Journals Discussing Gori's Research: Ernst M. 2008 (Gori et al. 2008)

2012 Winner of the Italian Prize TR35 for young innovators Date: March 2012;

2014 Invited commentaries in Major Journals Discussing Gori's Research (King A.) : Gori et al 2014

2015 Winner of Smart Cup Liguria October 2015 Cup for new technological solutions and start-up

2016 Selezionata tra le 100 Esperte: 100 donne contro gli stereotipi [www.100esperte.it](http://www.100esperte.it)

2020 Winner of ERC Starting Grant "The role of vision on perceptual space representation"

MySpace

2021 Honors: Expertscape Expert in Disabled Persons: top 1% of scholars writing about Disabled Persons over the past 10 years

2021 Finalist of the Engineering and Technology for the Falling Walls Science Breakthroughs of the Year 2021

- **MAJOR GRANTS (PAST 10 YEARS):**

2020-2025 ERC Starting grant “The role of vision on perceptual space representation” (MySpace), sole PI, 1,500,000 €

2020-2025 Marie Curie Global Fellow “Technology for visual Impairments Rehabilitation on Early-life through Social Information Augmentation”, individual grant to L.Schiatti (postdoc in Gori’s team), supervisor of the fellowship: Gori, M, coordinator: IIT, partner: MIT, 251,002.56 €

2020-2025 International training network Marie Curie Optivist: European Training and Research Program in Translational Vision Science to ensure Optimal support of Visually Impaired Individuals through Tests and Tools of Functional Vision U-VIP Partner: €261,499.68

2019-2024 International training network Marie Curie MultiTouch: European Training and Research Program in Multimodal haptic with touch devices. U-VIP Partner: €261,499.68

2018-2024 L’UDA imparando con i bambini project ‘per i bambini’ budget €28,900.00

2017-2019 ICT FP7 EU Project coordinator of the weDRAW project ICT Grant “Exploiting the best sensory modality for learning arithmetic and geometrical concepts based on multisensory interactive Information and Communication Technologies and serious games” awarded Grant, 2,500,000 € million (final evaluation Excellent)

2015-2020 ICT H2020 EU Project coordinator of the ABBI project ICT Grant “Audio bracelet for blind interaction” awarded Grant Agreement No 715058, 2,000,000 € million (final evaluation Good)

- **SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS**

About **15 PhD students** and 12 Post Doc students. More than half of these have finished in good teaching or research positions.

(Alice Tomassini; Tiziana Vercillo; Giulia Cappagli; Alessia Tonelli, Elena Aggius-Vella; Anna Vera Cuppone, Maria Bianca Amadeo, Walter Setti, Chiara Martolini, Hafsha Hamad; Nicola Domenici; Davide Esposito; Helene Vitali; Maria Casado; Carolina Tammurello); **12 Post-doctoral fellows students** (Sara Finocchietti, Alice Tomassini, Claudio Campus, Luigi Cuturi, Lucilla Cardinali, Giulia Cappagli; Alberto Inuggi; Alice Bollini; Lucia Schiatti; Maria Bianca Amadeo; Walter Setti; Niccolò Balzarotti); Supervisor of **9 Master students**; at University of Florence, of Pisa, University of Genoa and Institute San Raffaele Milan, Italy.

- **CAREER BREAKS: maternity leave for 3 children**

2019-2019 **maternity leave** third child

2015-2015 **maternity leave** second child

2013-2014 **maternity leave** first child

- **TEACHING ACTIVITIES**

2021- Lesson at EMARO course Psychology of Perception and Action in Robotics Engineering, University of Genoa, Genoa

2019- Four hour lesson, Osaka University part of the Minouru Asada Course on Robotics, Japan

2019- Course at Visual Rehabilitation course University of Genoa, Genoa

2016-present: part of the board of professor, University of Genoa, Genoa

2016-present: professor, integrative activity (8 hours per year), Perceptual systems Bioengineering, University of Genoa

2009-present: professor of neurophysiology of the perceptual systems, Advanced courses for PhD

students, 10 hours per year (about 20 students per course), IIT and University of Genoa, Genoa  
2009-present: professor of psychophysical methods, Advanced courses for PhD students, 10 hours per year (about 20 students per course), IIT and University of Genoa, Genoa  
2004-2005: MATLAB course 20 hours (about 20 students) University of Psychology Florence, Italy

- **ORGANISATION OF SCIENTIFIC MEETINGS**

2021 WorldHaptics Symposium Organization on Haptics  
2021 NER21 IEEE Symposium Organization on Cortical Plasticity  
2021 International Training Activity, 11 talks MultiTouch Project Haptic processing a clinical, neuroscientific, robotic and computational perspectives  
2021 AIP organization of Symposium on Psicopatologia: il corpo tra spazio e tempo  
2021 Organization of International Training Activity, 11 talks Marie Curie MultiTouch Project  
2021 ICSC Organization of symposium on Multisensory processing  
2021 MultiAbility Game 4w4i organization of social event  
2018 MIE - First International Workshop on Multimodal Interaction for Education  
2014-2017 ABBI EU project weDRAW project Kick-off Meeting and review meeting with EU commission, ABBI: Feb. 2014-2015, April 2016, weDRAW: July 2018, Genoa, Italy  
2015 Member of the organization committee IMRF 2015, Pisa, Italy  
2014 Symposium at IMRF conference, June, Amsterdam, Gori, and Hanganu-Opatz  
2011 Workshop "Multisensory Perception", May, Sestri Levante, Italy

**EDITORIAL ACTIVITY**

2021-now **Editorial Board**, *Multisensory Research*  
2021-now **Editorial Board**, *Perception and iPerception*  
2021-now **Editorial Board**, *Interaction Studies*  
2021 **Editor research topic** "Understanding the Socio-emotional and Socio-cognitive developmental Pathways in Children with Sensory Impairment" *Frontiers Psychology*.  
2019 **Editor research topic** "Spatial and Temporal Perception in Sensory Deprivation" *Frontiers Neuroscience*.  
2014 **Invited editor** *Journal of Multisensory Res.*: "Development and plasticity of multisensory processing".  
2014- present **Invited reviewer** for: *Current Biology*, *PNAS*, *iScience*, *Cortex*, *Journal of Neuroscience*, *DCN*, *Journal of Exp. Psych*, *Synapse*, *NeuroImage*, *APA*, *Jov*, *XHP*, *CRBEHA*, *EXBR*, *JECP*, *SREP*, *PONE*, *Nature Communication*, *Cognit*, *Neuro Behav Review Perception*, *Experimental Brain Research*, *Neuropsychologia*, *Child Development*, *Developmental Science*, *Multisensory research*, *Frontiers in Psychology*, *British Journal of Developmental Psychology*, *IEEE*, *PLoSONE*, *Perception*, *Trans. on Neural Systems & Rehabilitation Engineering*, *Neuroscience & Biob. Reviews*, *Frontiers in Human Neuroscience*, *Cell and Tissue Research*, *AMSCI*, *Cell e tissue research*, *Cerebral Cortex*, *Brain Topography*, *Scientific Reports*, *NIMG*, *MSI*, *Neuroscience Letter*.

- **SCIENTIFIC ADVISOR BOARDS AND EVALUATIONS**

2022 Steering committee of Body Representation Network, UK  
2022 Evaluator of ERC Consolidator, EU  
2022 Evaluator of JSPS, Japan Society for the Promotion of Science  
2022 Evaluator AAPG, French National Research Agency  
2022 Member of the Scientific Committee Si4Life  
2021 Panel of Experts for NCN Trust, Narodowe Centrum Nauki  
2021 Review for NSF Trust, National Science Foundation  
2020 Ambassador of Diversity, Inclusion and Social Impact group of IIT  
2018 Review for NHS Trust, National Health Service  
2018-now Member of the Scientific Committee, Istituto David Chiossone Onlus (for Blind and

Low vision), Genoa, Italy  
 2021 Review for Ph.D. thesis, IMT Lucca, student of Bottari and Ricciardi  
 2021 Review for Ph.D. thesis, UK, student of Proulx, Petrini  
 2021 Review for Ph.D. thesis, University of Pisa, student of Binda  
 2020 Review for Ph.D. thesis, Switzerland, student of Murray  
 2020 Review for Ph.D. thesis, Switzerland, student of Murray  
 2019 Review for Ph.D. thesis, CHUV Lausanne, student of Matusz and Murray  
 2018 Review for NHS Trust;  
 2015 Review for Ph.D. thesis, University of Dublin, TCD, Ireland, student of Newell  
 2013 Advisory member of the MIROR project, Grant agreement n° 258338 2010 -2013

### **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

2012 Member of the Society for Neuroscience (SfN)  
 2004-2012, 2020 Visual Science Society (VSS) Member  
 2011-2012 ,2020 Society for Neuroscience (SfN)  
 2019-2021 Associazione Italiana di Psicologia, Sezione di Psicologia Sperimentale  
 2021 IEEE, EMBC  
 2022 Member of ESCOP

### **Technology transfer activities**

In the past years we have done the following technology transfer activities:

-IRCCS Mondino joint Lab “iGyM”: this is a Joint Lab between U-VIP and the Neuro-ophthalmological unit of Mondino Research Hospital in Pavia. The project, financed with 500k euros by the hospital, has the goal of developing and validating iGyM and an intelligent multisensory environment for children with visual impairment. The project started in 2018 and will continue until 2025 (though an extension is being considered).

-IRCCS San Martino Joint Lab “Antares”: this is a joint lab between U-VIP and the Department of Psychiatry of the San Martino research hospital in Genoa. The project started in 2022 and will continue until 2027 (an extension is considered). The goal of the lab is to understand multisensory processing associated with mental disorders to create new technological solutions for screening and training.

- IRCCS Galsini SportHospital: This is a project founded by AstraZeneca in collaboration with the Gaslini research hospital in Genoa. The goal of the activity is to develop and validate a climbing wall for children with the stroke that will be installed in the hospital.

Internal collaborations with electronic and mechanical facilities (EDL, MWS) support all of these activities.

-RINA Service: in the last year, we have also worked for RINA to validate an app for the mobility of Blind individuals in Genoa City.

-SOBU Startup: in the last year, we have collaborated with Emanuele Musini (our Business Angel) to prepare the ABBI startup slated to be called SOBU. We plan to launch the startup in 2023.

- RobotAngle Serious Game: we have optimized a WeDRAW serious game called RobotAngle. The new version of this game is available for LIM (interactive support available in all Italian schools and via an application for tablets). Italian primary school teachers and online platforms will distribute this game for free on the «DeAgostini Scuola» landing page in the weDRAW project section (parents/teachers currently registered to the DeA web portal total 17,790). In the future, the DeAgostini group may evaluate the possibility of delivering the weDRAW app in the European market through its commercial/education platforms.

### **Institutional commitment**

Engagement in Academic Associations and Financing Organizations:

2022-now Editorial Board, Multisensory Research  
 2021-now Editorial Board, Perception and iPerception  
 2021-now Editorial Board, Interaction Studies  
 2022 Steering committee of Body Representation Network, UK  
 2022 Reviewer for ERC, EU  
 2022 Evaluator of JSPS, Japan Society for the Promotion of Science  
 2022 Evaluator AAPG, French National Research Agency  
 2022 Member of the Scientific Committee Si4Life  
 2021 Panel of Experts for NCN Trust, Narodowe Centrum Nauki

2021 Review for NSF Trust, National Science Foundation  
 2018 Review for NHS Trust, National Health Service  
 2018-now Member of the Scientific Committee, Istituto David Chiossone Onlus (for Blind and Low vision), Genoa, Italy  
 2017-now Ad hoc reviewer for more than 40 different International journals and external reviewer for 6 national and international Ph.D. thesis.  
 Internal IIT commitment  
 2022 Ambassador of Diversity, Inclusion and Social Impact group of IIT  
 2022-State of privacy '22" expert for privacy table neuroscience  
 2020-now Internal IIT support for ERC evaluation/improvement  
 2022-2025 Internal coordinator for large IIT project: In the next years I'll be the IIT referent person for the Spoke 1 of the RAISE PNRR project, by co-coordinating it. Within the project, I'll coordinate 8 lines of research within IIT which are PAVIS, SoftHand, ADVR, CVRS, CONTACT, EDL, MWS, and Legal. This work will provide joint technology transfer activities.  
 2022 part of the Mentor- mentee program  
 2017 -now Student supervision (11 PhD students from 2017) and attention to the development of the carrier plan for my research group (e.g. PhD and Post-Docs).  
 2018-now organization of team building and journal club activities for U-VIP team  
 2017- now participation to the PhD Board of Professor  
 2017-now Professor at contract at the University of Genoa, biomedical engineering Course of Perceptual systems  
 2017-now PhD visiting researcher program: every PhD has the possibility to travel for 6 months within the PhD to facilitate the development of their international mobility and network.  
 2017-present Course of neurophysiology of the perceptual systems, Advanced courses for PhD students, 10 hours per year (about 20 students per course), IIT and University of Genoa, Genoa  
 2017-2018 Course of psychophysical methods, Advanced courses for PhD students, 10 hours per year (about 20 students per course), IIT and University of Genoa, Genoa

### ***MAJOR COLLABORATIONS:***

Over the past years we have established important collaborations with work visits to the following distinguished scholars, as documented by co-authored publications and projects: Melvin Goodale, Echolocators and perception, University of Western Ontario, Canada 2013-now; Prof. Brigitte Roeder, Visual disability, University of Hamburg, Germany, 2014-2017; Prof. Charlotte Magnusson, User studies in blind children, University of Lund, Sweden 2014-2017; Prof. Concetta Morrone, Temporal and multisensory processing, University of Pisa, Italy 2006-now; Dr Anna Chilosi, Dr Francesca Tinelli, Dr Giovanni Cioni, Istituto Stella Maris, Pisa, Italy, 2008-now; Prof. Francesco Pavani, Multisensory integration University of Trento, Italy 2015-now; Dr Cesare Parise, OCULUS, USA 2016-now; Dr Andrea Serino, Multisensory integration EPFL, Switzerland 2015-2018; Prof. Sara Price, Nadia Berthouze, UCL, London, UK 2016-now. Viola Stromer, University of LA, USA 2017-now. This network is extended considering all the scientific partners involved in the ABBI and weDRAW project. These collaborations with work visits to the following distinguished scholars, as documented by co-authored publications and projects.

### **SCIENTIFIC LEADERSHIP POTENTIAL:**

Monica Gori is a tenured senior scientist at the Italian Institute of Technology (IIT), where he leads the Unit for Visually Impaired People (U-VIP) laboratory. Her lab comprises 23 scientists (8 Ph.D., 7 PostDocs, 1 Technician, 5 Affiliated Researchers). Monica Gori is an expert on development, multisensory integration, visual disability, and spatial perception. She graduated in psychology from the University of Florence in 2004

(cum laude). She received her Ph.D. degree in Humanoid Technologies from the University of Genoa and IIT in 2009. From 2002 to 2006 she worked at the CNR of Pisa in David Burr's Laboratory. In 2008 she worked in Martin Banks lab (Berkeley, California). During her Ph.D. she interacted with a strong multidisciplinary environment starting collaborations with engineers and clinical institutes (e.g. Chiossone Institute and Stella Maris Institute). During this period, she started important collaborations with prof.

Juergen Konczac (Minnesota University, USA) and with prof. Melvin Goodale (Ontario University, Canada). Monica is a recipient of the European Research Council (ERC) starting grant MySpace 2021 (~€1.5 million, [www.myspaceproject.eu](http://www.myspaceproject.eu) ). She was the scientific coordinator of two large European grants, FP7 project ABBI (~€2 million, [www.abbi.eu](http://www.abbi.eu) ) and Horizon-2020 project WeDraw (~€2.5 million, [www.wedraw.eu](http://www.wedraw.eu) ) and partner in two ITN H2020 Marie Curie project: MultiTouch and Optivist and Supervisor in the TIRESIA Horizon-2020 Global Marie Curie project. She has coordinated as a principal investigator of several technology transfer initiatives such as JOiNT lab at Mondino research Hospital San Martino Research Hospital and is the author of a patent. She is a recipient of the TR35 Italian Innovation Award 2012 (prize for young innovators), winner of the SmartCup in 2015, Finalist of the Engineering and Technology for the Falling Walls Science Breakthroughs of the Year 2021, recognized as "Expert" by Expertscape plans in 2021 ranked in the top 1% of scholars writing about disabled persons in the past 10 years and listed in 100 Esperte in 2016 (woman in science). The impact of her work on the scientific community can be summarized by 130 international papers, 8 book chapters, and many conferences' abstracts. Internationally accepted indices of impact and productivity show that her work has received 3026 citations, leading me to an H-index of 27 (ORCID ID [orcid.org/0000-0002-5616-865X](https://orcid.org/0000-0002-5616-865X); Scopus Research ID: 23491803400; ResearcherID: A-1238-2014). One of her works has been listed in the faculty of 1000 (Gori et al. Curr Biol, 2008). Two of her studies have been highlighted in editorial opinions, by Marc Ernst (Current Biology 2008) and by Andrew King (Brain 2014).

#### ***Clinical Joint Labs:***

- 1) *Mondino Joint Lab:* this is a strong demonstration of the clinical attraction that our activity has for hospitals. Mondino research hospital invested 500k for the development of a new rehabilitation gym within the hospital for visually impaired children that we are developing in collaboration with them. This will be the first technological room for visually impaired children developed within a hospital. In this activity, our scientific results will be applied to the **development of science-based rehabilitation technology**. This is particularly urgent because, to date in 2019, as discussed in two recent reviews from my group (*Cuturi, Aggius-Vella et al. 2016, Gori, Cappagli et al. 2016*), there are no multisensory technological rehabilitative solutions developed for early intervention in young blind children. The joint lab will have a motion tracking system, technology for rehabilitation of the body, technology for rehabilitation of reachable space and one for far space.
- 2) *Chiossone Joint Lab:* we have opened a joint lab (with RBCS department) with Chiossone Institute. In this lab we have installed a motion tracking system to track the improvement of movement in blind children.
- 3) *San Martino J-Lab Antares:* this is a strong demonstration of the clinical attraction that our activity has for clinics. The collaboration with the Team of Professor Mario Amore of the DIBRIS and Clinica Psichiatrica of San Martino will provide a new set of methods and devices for screening and training of people with psychopathological disorders.
- 4) *SportHospital-* Gaslini IRCCS Hospital

In both labs, we perform our scientific activity with users, rehabilitators and medical doctors.

#### ***Network established with schools in Genoa:***

We have also established a large network to involve sighted infants, children, and adolescents considering nurseries, kindergartens, and schools (elementary, mid-term and high-schools) in Genoa, amounting to more than 1000 children per year.

**Appendix: All on-going and submitted grants and funding of the PI (Funding ID)**

**On-going Grants**

<i>Project Title</i>	<i>Funding source</i>	<i>Amount (Euros)</i>	<i>Period</i>	<i>Role of the PI</i>	<i>Relation to current ERC proposal</i>
MULTITO UCH	ITN-2019, ITN Network, 2019-2023	EC contribution: 1,543,335 €	2020-2024	Project partner	This project aims at providing high level training to a new generation of Early Stage Researchers (ESR)
MySpace	ERC Starting grant	1,500,000 €	2020-2025	Sole PI	The role of vision on perceptual space representation
TIRESIA	Marie Curie Global Fellow	251,002.56 €	2020-2025	Supervisor of the fellowship	Technology for visual Impairments Rehabilitation on Early-life through Social Information Augmentation”, individual grant to L.Schiatti (postdoc in Gori’s team), supervisor of the fellowship: Gori, M, coordinator: IIT, partner: MIT Boris Katz
Optivist	EU-H2020-MSCA-Internat. raining network Marie Curie	261,499.68 €	2020-2025	Partner	Optivist: European Training and Research Program in Translational Vision Science to ensure Optimal support of Visually Impaired Individuals through Tests and Tools of Functional Vision
iReach	POC	150.000 €	2023-2025	Sole PI	Multisensory tecnology for rehabilitationj in infancy
iFLEXU	Marie Curie Global Fellow	251,002.56 €	2023-2026	Supervisor of the fellowship	Sensory processing and statistics A.Tonelli (postdoc in Gori’s team), supervisor of the fellowship: Gori, M, coordinator: IIT, partner: University of Sidney; prof. David Alais
RAISE	PNRR	20.000.000 €	2022-2025	Co-Coordinator of spoke	Urban technologies for inclusive engagement based on robotic and AI. Co-Leader of Spoke 1 (leader Michela Spagnuolo). I have participated at the writing and coordination of the proposal. Total project 120.000.000 € considering the total of 5 spokes.

## Past grants

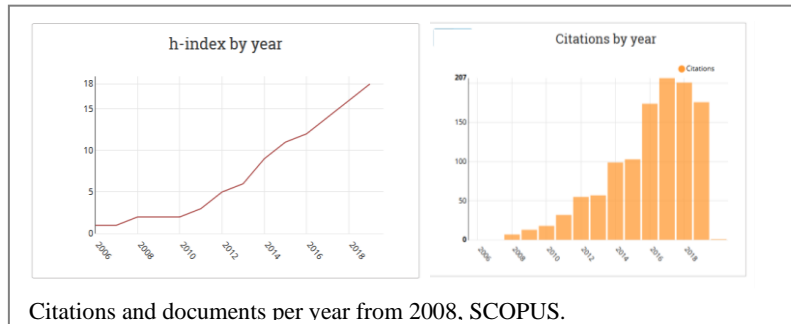
<p>WeDraw Exploiting the best sensory modality for learning arithmetic and geometrical concepts based on multisensory technology and serious games</p>	<p>EC Call identifier: IH2020 CT 22-2016: Technologies for Learning and Skills</p>	<p>EC contribution: €2,500,000</p>	<p>Duration in months: 24 (01/01/2017-31/12/2018)</p>	<p>Project coordinator</p>	<p>WeDraw examines how to exploit the best sensory modality for learning arithmetic and geometrical concepts based on multisensory technology and serious games for typical and atypical children. I coordinate a consortium of 10 partners with diverse backgrounds. WeDraw is a highly interdisciplinary project that involves engineers, psychologists, pedagogics, and industrial links. The project exploits knowledge of multisensory integration in the teaching activities of elementary schools. weDRAW is partially related to this proposal in that it develops technology for learning mathematical and geometrical concepts in blind children at elementary schools.</p>
<p>ABBI <a href="http://www.abbi-project.eu">www.abbi-project.eu</a> Audio Bracelet for Blind Interaction: a new technology based on sensory-motor rehabilitation for visually impaired children</p>	<p>EC Call identifier: FP7-ICT-2013.5.3 ICT for smart and personalized inclusion</p>	<p>EC contribution: 1,849,995 €</p>	<p>Duration in months: 36 (01/02/2014 – 31/01/2017)</p>	<p>Project coordinator</p>	<p>ABBI, Audio Bracelet for Blind Interaction, proposes a new technology that is based on sensory-motor rehabilitation for visually impaired children. In this project, I was the coordinator of more than 15 scientists with different backgrounds. The ABBI project was highly interdisciplinary with engineers, psychologist, medical and rehabilitators working on it. The ABBI device was highlighted in <i>Horizon Magazine</i> and it received extensive media coverage</p>
<p>PACE Perception and action in complex environments</p>	<p>EU-H2020- MSCA-ITN-2014, ITN Network, 2015-2019</p>	<p>EC contribution: €516,122</p>	<p>Duration in months: 48 (01/04/2015-31/03/2019)</p>	<p>Project partner</p>	<p>The PACE project is an ITN project that studies action and perception in individuals with and without disabilities. I contributed to the project preparation as part of the IIT team. Within this project, I followed one Ph.D. student in IIT together with Gabriel Baud-</p>



					Bovy. I also followed the activity of two PhDs students that came to IIT for a few months to work on visual multisensory integration in children.
CODEFR OR COgnitive Developm ent for Friendly RObots and Rehabilita tion	FP7- PEOPLE- 2013- IRSES	EC contribution: €147,000	(1/02/ 2014- 31/01/ 2018)	Project partner	The main goal of the project was to investigate aspects of human cognitive development with the additional goals of developing robots able to interact with humans in a friendly way and of designing and testing protocols and devices for the sensory and motor rehabilitation of disabled children.
L'UDA		28,900.00 €	2018- 2024	Partner	Imparando con i bambini project 'per i bambini'

### Section c: Early achievements track-record:

I have published **92 international papers (72 my Ph.D. supervisor)**, **3 book chapters**, and many conference abstracts with **87 different co-authors**. My work has received **1125 citations**, leading to an **H-index of 18 in Scopus and 22 in Google Scholar**. I published my first article of my Master's thesis in 2006. My first ground-breaking research was published in 2008 in a paper presented in *Current Biology* and listed as a **“faculty of 1000”**.



This work has been considered highly innovative by the scientific community and has 250 citations. In 2010, I published my next ground-breaking research in *Current Biology* and subsequently in *Brain* in 2014. This work showed that visually impaired adults have strong deficits in audio perception. The increment of the

citation level and the h-index (showed in the graph) is strongly encouraging.

### European ICT Project awarded:

i) Project coordinator **ABBI** [www.abbiproject.eu](http://www.abbiproject.eu) FP7- ICT-2013.5.3 ICT for smart and personalised inclusion (1,849,995 € 01/02/2014 – 31/01/2017). Final evaluation: Good; ii) Project coordinator **weDRAW** [www.wedraw.eu](http://www.wedraw.eu) IH2020-ICT 22-2016: Technologies for Learning and Skills € 2,500,000 (01/01/2017-31/12(2018)). Final evaluation: Excellent

### SELECTED INTERNATIONAL PAPERS WITHOUT Ph.D. SUPERVISOR

1. **Gori**, Cappagli, Tonelli, Baud-Bovy, Finocchietti. Devices for visually impaired people: high technological devices with low user acceptance and no adaptability for children **Neuroscience & Biobehavioral Reviews 2016, impact factor 10.5** page citations 22
2. Amadeo, Campus & **Gori**. Impact of years of blindness on neural circuits underlying auditory spatial representation. **NeuroImage, 2019, impact factor 5.4** citations 1 (just published)
3. **Gori**, Multisensory integration, and calibration in children and adults with and without sensory and motor disabilities. **Multisensory research 2015, impact factor 1.0** citations 30
4. Campus, Sandini, Concetta Morrone, & **Gori**. Spatial localization of sound elicits early responses from occipital visual cortex in humans. **Scientific Report, 2017, impact factor 4.8, citations 10**
5. Cappagli, Cocchi, & **Gori**. Auditory and proprioceptive spatial impairments in blind children and adults. **Developmental Science, 2017, impact factor 3.98** citations 23

### OTHER IMPORTANT PAPERS: 32 out of 92 presented here, 72 of 92 without the Ph.D.

supervisor. Here are presented papers including those written with my Ph.D. supervisor, with whom I have continued to have a fruitful collaboration for several years after my Ph.D. period.

6. **Faculty of 1000**, **Gori**, Del Viva, Sandini & Burr 2008, ‘Young children do not integrate visual and haptic form information’, **Current Biology. impact factor 8.9 Citations 250**
7. **Gori**, Sandini, Martinoli & Burr 2010, ‘Poor haptic orientation discrimination in non-sighted children may reflect’, **Current Biology. impact factor 8.9 Citations 70**
8. **Gori**, Sandini, Martinoli and Burr 2014 Impairment of auditory spatial localization in congenitally blind human subjects. ; We also had the journal cover. **Brain impact factor 10.3 Citations 82**
9. Konczak, Sciutti, Avanzino, Squeri, **Gori**, Masia, Abruzzese, Sandini, Parkinson’s disease accelerates age-related decline in haptic perception 2012 **Brain impact factor 10.3 Citations 46**
10. **Gori**, Sandini, Burr Development of visuo-auditory integration in space and time. 2012 **Frontiers in integrative neuroscience impact factor 4.5 Citations 66**
11. **Gori**, Tinelli, Sandini, Cioni, Burr (2012) Impaired visual size-discrimination in children with movement disorders. **Neuropsychologia. impact factor 4.3 Citations 28**

12. **Gori**, Giuliana, Sandini, Burr Visual size perception and haptic calibration during development 2012 **Developmental Science** *impact factor 3,98 Citations 24*
13. **Gori**, Chilosi, Forli, & Burr (2018). Audio-visual temporal perception in children with restored hearing. **Neuropsychologia** *impact factor 4.3 Citations 0 (just published)*
14. Vercillo, Burr, **Gori** Early visual deprivation severely compromises the auditory sense of space in congenitally blind children (2016) **Developmental Psychology** *impact fac 3.1 Citations 10*
15. **Gori**, Amadeo, Campus. Temporal cues influence space estimations in visually impaired individuals. **iScience**, 2018, new journal *citations 3*.
16. **Gori**, Vercillo, Sandini, Burr (2014) Tactile feedback improves auditory spatial localization. **Frontiers in Psychology** *impact factor 2.8 Citations 6*
17. Campus, Sandini, Amadeo, **Gori**. Stronger responses in the visual cortex of sighted compared to blind individuals during auditory space representation. **Scientific Reports**, 2019, *impact factor 4.5, citations 1*
18. Cappagli, Finocchietti, Cocchi, Giammari, Zumiani, Cuppone, Baud-Bovy, **Gori**. Audio motor training improves mobility and spatial cognition in visually impaired children. **Sci Rep**, 2019, *imp facor 4.5*
19. **Gori**, Mazzilli, Sandini & Burr 2011, 'Cross-sensory facilitation reveals neural interactions between visual and tactile motion in humans. **Front. Psychology** *impact factor 2.8 Citations 25*
20. Vercillo, Tonelli, **Gori**. Early visual deprivation prompts the use of body-centered frames of reference for auditory localization. **Cognition**, 2018, *impact factor 1.1 citations 4*
21. **Gori**, Cappagli, Baud-Bovy, & Finocchietti. Shape Perception and Navigation in Blind Adults. **Frontiers in Psychology** 2017 *impact factor 2.8 Citations 2*
22. Cuturi, Aggius-Vella, Campus, Parmiggiani, and **Gori**. From science to technology: orientation and mobility in blind children and adults. **Neurosci and Bio. Reviews** 2016, *impact factor 10.5 Citations 15*
23. Cappagli, and **Gori**, Auditory spatial localization: Developmental delay in children with visual impairments M. 2016 Research in **Developmental Disabilities** *impact factor 3,3 2,2 Citations 8*
24. Finocchietti, Cappagli and **Gori** Encoding audio motion: spatial impairment in early blind individuals. 2015 **Frontiers in Psychology** *impact factor 2.8 Citations 19*
25. Sciutti, Squeri, **Gori**, Masia, Sandini & Konczak 2010, 'Predicted sensory feedback derived from motor commands does not improve haptic sensitivity', **EBR**, *impact factor 1.9, Citations 18*
26. Dahiya & **Gori**, Probing with and into Fingerprints, 2010 **Jour of Neuroph.** *imp fac2.9, Citations 16*
27. Vercillo, Milne, **Gori**, Goodale Enhanced auditory spatial localization in blind echolocators. 2015 **Neuropsychologia** *4.3 Citations 32*
28. Amadeo, Störmer, Campus, **Gori**. Peripheral sounds elicit stronger activity in contralateral occipital cortex in blind than sighted individuals. **Scientific Reports**, 2019, *impact factor 4.5 (just published)*
29. Cuturi and **Gori**. Biases in the visual and haptic subjective vertical reveal the role of proprioceptive vestibular priors in child development. **Frontiers in Neurology**, 2019, *impact factor 3.6 (just published)*
30. Nava, Föcker, **Gori**. Children can optimally integrate multisensory information after a short action-like mini game training **Developmental Science**, 2019, *impact factor 4.1 (citations just published)*

#### **CONTRIBUTIONS TO BOOKS**

31. Burr, **Gori** (2011) Multisensory integration develops late in humans. Taylor & Francis Group.
32. Burr, Binda, **Gori** (2011) Combining information from different sense. Oxford University Press.

**PATENTS** Italian Patent Application IT TO2014A000323 (IIT 2013-159) for the ABBI device

#### **INVITED PRESENTATIONS AT UNIVERSITIES OR CONFERENCES**

- 2011 UCL and CBCD London, May 2011 invited by Marko Nardini and Prof. A Karmiloff-Smith; University of Hamburg, November 2011, invited by Brigitte Roeder.

- 2013 Symposium European Conf of Developmental Psychology by D. Maurer Lausanne September.
- 2014 CBCD London, May 2014 invited by Prof. A Karmiloff-Smith; University of Munich October 2014 invited by Hermann Mueller; Symposium FENS 2014 organized by A.King and J.Rauschecker
- 2015 Invitation at University of Barcellona by Lopez Moliner.
- 2016 ESOF Invited talk, organized by Alessandra Sciutti Manchester, UK; Symposium ECVF organized by Montagnini and Bremner, Barcellona, Spain.
- 2017 The Rank Prize Funds, Symposium on Learning to See: From Retinal to Brain Computations; Symposia at IMRF organized by Streim-Amit and Andy Bremner.  
Invited talk for ERC starting, June Belgium
- 2018 Invited talk for ERC starting, May Belgium  
Invited talk Workshop SPADE organized by Binda, Burr, Morrone, June Pisa, Italy  
Invited talk at the Blind Brain Workshop by Ricciardi, Bottari & Pietrini, Lucca, Italy  
Invited talk Paris “Cross-modal Processing from neurophysiology to behaviour” by Claudia Lunghi  
Invited talk JBC student-initiated workshop “Visual function acquisition in normal development and following emergence from blindness”, Hebrew University of Jerusalem, organized by Ehud Zohary
- 2019 Invited talk for ERC starting, May Belgium  
Invited Talk Zangwill Club Seminar, University of Cambridge, UK  
Invited talk Symbiotic Intelligent Systems, Osaka, Japan