

Curriculum vitae

PERSONAL INFORMATION

Gori Monica

Date of birth: May 6, 1980;

EDUCATION

- 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)
- 1999-2004 Degree (summa cum laude) in Psychology, University of Florence, Italy. Supervisor: Prof. Michela Del Viva. Thesis on experimental psychology and psychophysics. 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, 3325.
- 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)**

2020-Present **Senior Scientist Tenured, head of the U-VIP** Unit for Visually Impaired People, Italian Institute of Technology, Genova, Italy (26 people considering Ph.Ds., Post-Docs, external reserachers and one technician)

- **PREVIOUS POSITIONS**

- 2012-2015 Team Leader Visual-Haptic Lab, Robotics Brain and Cognitive Science department, 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
- 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
- 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

2023 20 Scienziate Italiane che hanno rivoluzionato il mondo della ricerca (wired, <https://www.wired.it/donne-scientiste-italiane-ricerca-8-marzo/>)

2023 Premio Digitale, Consiglio dei Ministri Roma, Italian award for social inclusion.

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

2023-2026 iReach POC 150.000 € 2023-2024 Sole PI

2023-2026 iFLEXU Marie Curie Global Fellow “Sensory processing and statistics”, individual grant to A.Tonelli (postdoc in Gori’s team), supervisor of the fellowship: Gori, M, coordinator: IIT, partner: University of Sidney; prof. David Alais, 251,002.56 €

2022-2025 RAISE PNRR 20.000.000 € 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.

2023-2024 ERC PoC “iReach: Multisensory technology for rehabilitation in infancy”, sole PI, 150,000 €

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**

I have supervised **25 postdoctoral researchers, 24 Ph.D., and 15 master’s students**. 15 PhD students have finished the PhD with me (Alice Tomassini; Tiziana Vercillo; Giulia Cappagli; Alessia Tonelli, Elena Aggus-Vella; Anna Vera Cuppone, Maria Bianca Amadeo, Walter Setti, Chiara Martolini, Hafsha Hamad; Nicola Domenici; Davide Esposito, Giorgia Bertoni, Silvia Zanchi); 11 Post-doctoral fellows students now left my group (Sara Finocchietti, Alice Tomassini, Luigi Cuturi, Lucilla Cardinali, Elena Aggus Vella, Alberto Inuggi; Alice Bollini, Giorgia Bertoni, Chiara Martolini, Hafsa Hamad, Tiziana Vercillo); Importantly, the advancement of the careers of my students has been documented as more than half of these have finished in good teaching, company or research positions. One of my previous postdoctoral fellows is now an assistant professor, three are researches (Alice Tomassini, Hafsa Hamad, Alberto Inuggi) three are post docs (Tiziana Vercillo, Elena Aggus Vella, Nicola Domenici) in other universities and three have essential roles on international companies (Chaira Martonili, Alice Bollini, Sara Finocchietti), two won the global marie curie (Lucia Schiatti and Alessia Tonelli).

- **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**

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

2021-2022 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

2004-2005: MATLAB course 20 hours (about 20 students) University of Psychology Florence, Italy

2011-now Board of Professors of the Ph.D. Program in Bioengineering and Robotics, University of Genoa

- **ORGANISATION AND DISSEMINATION AT SCIENTIFIC MEETINGS**

2023 AIP Symposium organization

2023 IMRF Symposium organization

2023 Festival della scienza Roma

2023 Human and Robots: How action shapes vision Pisa

2023 Invited Talk Murray, Franceschiello, Tivadar IIT

2023 Invited Talk Moscatelli IIT

2023 Alternanza scuola-lavoro Liceo Statale Sandro Pertini Genova

2023 Workshop IIT - University of Osaka IIT

2023 Le 100 esperte STEM vanno a scuola online

2023 Oltre i sensi - camera dei deputati (anniversario nazionale del braille) Roma

2023 coffeTech - confindustria Genova Genova

2023 Le Donne Pioniere Genova

2023 Organization of international Workshop MySpace (10 speakers) Camogli

2023 Donne, Ricerca e leadership Milano

2023 Sintonie 2023 Genova

2023 Diritto e scienza: la neurovulnerabilità nei minori Roma

2023 WeMakeFuture Rimini

2023 Curare la persona: tra scienza, tecnologia ed etica Genova

2023 I nostri sensi una finestra sul mondo Genova

2023 Workshop Humans and Robots Pisa

2023 Invite talk Sensory Neuroscience - European Summer School (Pisa) Multisensory Development

2022 Festival delle conoscenze Tortona, Novi Ligure

2022 Real Eyes Sport camp Calambrone

2022 8th international summer school of neuroengineering Genova

2022 workshop PLeaSe (Plasticity, Learning and Sensory brain) Paris

2022 SME4SMARTCITIES - Responsible technology Genova

2022 Imparare ad usare i nostri sensi insieme Genova

2022 Tecnologia alla scoperta dei nostri sensi Genova

2022 State of Privacy '22 Pietrasanta

2022 a proposito di futuro Milano

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**, *Perception and iPerception*

2021-now **Editorial Board**, *Interaction Studies*

2023 **Editor of four research topics last:** *Women in Neuroscience, Frontiers in Neuroscience*

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, PLoS ONE, 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**

2023 Review for SnF, Switzerland Science Foundation

2023 Evaluator of ERC Advanced, EU

2023 Evaluator of ERC Starting, EU

2023 Review of PhD Thesis Prof. Teresa Farroni

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

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 2021 Panel of Experts for

2021 Review for NSF Trust, National Science Foundation

2021 NCN Trust, Narodowe Centrum Nauki

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
2021-now	Scientific Committee for BRNET
2019-now	Scientific (Review) Team European Conference of Visual Perception
2019-now	Scientific (Review) Team International Forum of Multisensory Perception

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
2023	Member of AIP

Technology transfer activities

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

-IRCCS Mondino joint Lab “iGyM” 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, aims to develop and validate 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 lab aims to understand multisensory processing associated with mental disorders to create new technological solutions for screening and training.

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

Internal collaborations with electronic and mechanical facilities (EDL, MWS) support 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.

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: Prof. Micah Murray, multisensory processing 2018-now; prof. Melvin Goodale, Echolocators and perception, University of Western Ontario, Canada 2013-now; Prof. Marc Ernst Prof. multisensory processing 2020-now; 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.

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.

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. 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 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). She was the scientific coordinator of two large European grants, FP7 project ABBI (~€2 million, www.abbi.eu) and Horizon-2020 project WeDraw (~€2.5 million, www.wedraw.eu) and partner in two ITN H2020 Marie Curie project: MultiTouch and Optimist and Supervisor in the TIRESIA and Flex-U Horizon-2020 Global Marie Curie projects. She has coordinated as a principal investigator of several technology transfer initiatives such as JOiiNT 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 (price for young innovators), winner of the SmartCup in 2015 and of the important Italian price "Cuore Digitale in 2023", 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 4843 citations, leading me to an H-index of 33 (ORCID ID 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).

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. training network Marie Curie	261,499.68 €	2020-2026	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 €	2023-2024	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.

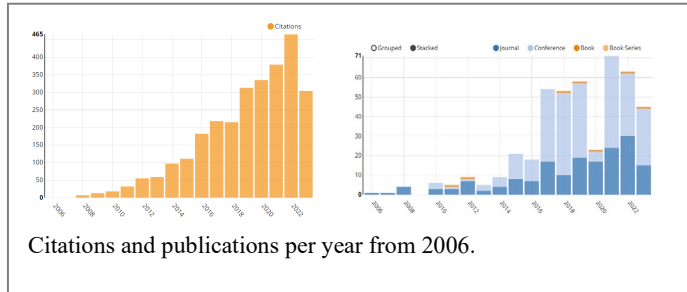
Past grants

<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 www.abbi-project.eu 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.
CODEFROR 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'

Achievements track-record:

I have published **190 international papers (72 my Ph.D. supervisor)**, **3 book chapters**, and many conference abstracts with **87 co-authors**. My work has received **4843 citations**, leading to an **H-index of 27 in Scopus and 33 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**”. The scientific community considers this work highly innovative and has 620 citations.



In 2010, I published my next ground-breaking research in *Current Biology* and *Brain* in 2014. **In the last years I have published** This work showed that visually impaired adults have intense deficits in audio perception. The increment of the citation level and the h-index (shown in the graph) is strongly encouraging.

SELECTED INTERNATIONAL PAPERS

- 1- **Gori M., Campus C., Signorini S., Rivara E., Bremner A.J.** Multisensory spatial perception in visually impaired infants **Current Biology** *impact factor 10.9* 2021
- 2- Campus C., Signorini S., Vitali H., De Giorgis V., Papalia G., Morelli F., **Gori M.** Sensitive period for the plasticity of alpha activity in humans **Developmental Cogn.Neuroscience** *impact factor 5.8*, 2021
- 3- **Gori M., Amadeo M.B., Campus C.** Temporal cues trick the visual and auditory cortices mimicking spatial cues in blind individuals **Human Brain Mapping**, *impact factor 5.3* 2020
- 4- **Gori M., Bertonati G., Campus C., Amadeo M.B.** Multisensory representations of space and time in sensory cortices, **Human Brain Mapping**, *impact factor 5.3* 2023
- 5- **Gori M., Price S., Newell F., Bertouze N., Volpe G.** Multisensory Perception and Learning: Linking Pedagogy, Psychophysics, and Human-Computer Interaction 2022 **Multisensory Reserach** *impact factor 2.3*
- 6- **Gori M., Amadeo M.B., Pavani F., Valzolgher C., Campus C.** Temporal visual representation elicits early auditory-like responses in hearing but not in deaf individuals 2022 **Scientific Reports** *impact factor 5*

OTHER IMPORTANT PAPERS:

1. **Faculty of 1000, Gori, Del Viva, Sandini & Burr** 2008, ‘Young children do not integrate visual and haptic form information’, **Current Biology**. *impact factor 10.9 Citations 620*
2. **Gori, Sandini, Martinoli & Burr** 2010, ‘Poor haptic orientation discrimination in non-sighted children may reflect’, **Current Biology**. *impact factor 10.9 Citations 166*
3. **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 234*
4. **Gori, Sandini, Burr** Development of visuo-auditory integration in space and time. 2012 **Frontiers in integrative neuroscience** *impact factor 4.5 Citations 156*
5. **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 Citations 135*
6. **Gori,** Multisensory integration, and calibration in children and adults with and without sensory and motor disabilities. **Multisensory research** 2015, *impact factor 1.0 citations 115*
7. **Gori, Schiatti, Amadeo** Masking emotions: Face masks impair how we read emotions **Frontiers in Psychology** *impact factor 2.8 Citations 106*

8. Cappagli, Cocchi, & Gori. Auditory and proprioceptive spatial impairments in blind children and adults. **Developmental Science**, 2017, *impact factor 3.98 citations 95*
9. Konczak, Sciutti, Avanzino, Squeri, Gori, Masia, Abbruzzese Parkinson's disease accelerates age-related decline in haptic perception by altering somatosensory integration **Brain impact factor 10.3 Citations 95**
10. Amadeo, Campus & Gori. Impact of years of blindness on neural circuits underlying auditory spatial representation. **NeuroImage**, 2019, *impact factor 5.4*
11. 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*
12. Gori, Tinelli, Sandini, Cioni, Burr (2012) Impaired visual size-discrimination in children with movement disorders. **Neuropsychologia**. *impact factor 4.3*
13. Gori, Giuliana, Sandini, Burr Visual size perception and haptic calibration during development 2012 **Developmental Science impact factor 3,98**
14. Gori, Chilosi, Forli, & Burr (2018). Audio-visual temporal perception in children with restored hearing. **Neuropsychologia impact factor 4.3**
15. Vercillo, Burr, Gori Early visual deprivation severely compromises the auditory sense of space in congenitally blind children (2016) **Developmental Psychology impact fac 3.1**
16. Gori, Amadeo, Campus. Temporal cues influence space estimations in visually impaired individuals. **iScience**, 2018
17. Gori, Vercillo, Sandini, Burr (2014) Tactile feedback improves auditory spatial localization. **Frontiers in Psychology impact factor 2.8**
18. 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*,
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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
- 2020 Keynote EuroHaptics conference
- 2021 Invited Talk Nathan Vanderstoep
Invited Talk Ioannis Delis
Invited Talk Antonio Bicchi
- 2022 Invited Talk Lino Nobili
Invited Talk Claudia Lunghi
- 2023 Invited Talk Micha Murray