

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Name
Work Address
Personal E-mail
Work E-mail
Nationality

STEFANIA BENETTI
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stefania.benetti@unitn.it

Italian

CURRENT POSITION

- Dates (from – to)
- Name and address of employer
- Occupation or position held
- Main activities and responsibilities

5th May 2020 – current
CIMEC - University of Trento
Assistant Professor (RTD-A)
Investigating the impact of early deafness and/or delayed auditory onset on the neurofunctional mechanisms supporting the multimodal processing of human speech within the PRIN project “The role of cochlear implantation and bimodal bilingualism in early deafness: a window into the neuro-functional mechanisms of human language”. This research program implies combining behavioural experiments, speech kinematics, multimodal brain-imaging and advanced fMRI/MEG analytical techniques such as multivoxel pattern and representational similarity analyses.

EDUCATION

- Dates (from – to)
- Name and type of organisation
- Principal subjects/occupational skills covered
- Title of qualification awarded
- Dates (from – to)
- Name and type of organisation
- Principal subjects
- Title of qualification awarded
- Level in national classification
- Dates (from – to)
- Name and type of organisation
- Principal subjects

April 2009 – February 2013
(Including certificate issue, submission in May 2012 – early submission as part-time student)
King’s College London (UK) – University of London
Psychological Physiology and Medicine, Cognitive Neuroscience, Neuroimaging, Clinical Neuropsychology, Research Implementation, Data analysis, Academic Writing. *Project thesis: “Multimodal imaging investigation of Neurobiological alterations in the At Risk Mental State and First Episode of Psychosis”. PhD supervisors: Dr. Andrea Mechelli and Prof. Philip McGuire.*
Doctor of Philosophy in Psychological Medicine

October 2011 – October 2012
University of Padua (Italy)
Clinical Psychology and Neuropsychology
Dottore Magistrale (Master’s Degree) in Clinical Psychology
Abbreviated path for recognition of foreign qualifications

October 2007 – November 2008 (including certificate issue)
University College London (UK) – University of London
Cognitive Neuroscience and Neuropsychology, Research Methods and Neuroimaging. *Project thesis: “How does brain structure reflect auditory and phonological experience? A VBM study in the deaf and dyslexic brain”. MSc supervisors: Prof. Cathy J. Price and Dr. Mairead Macsweeney.*

- Title of qualification awarded
- Level in national classification

Master of Science in Cognitive Neuropsychology
Distinction

- Dates (from – to)
- Name and type of organisation
- Principal subjects

October 2006 – October 2007 (suspended to pursue MSc in England)
University of Padua (Italy) and University College London (ERASMUS program)
Cognitive Neuroscience, Research Methods, Neuroscience of Language. Nine months spent studying at University College London under the Erasmus program.

- Title of qualification awarded

Suspended for acceptance in the MSc program at University College London.

- Dates (from – to)
- Name and type of organisation
- Principal subjects

October 2002 – July 2006 (Part-time working student)
University of Padua (Italy)

Psychobiology, Neuropsychology, Cognitive Neuroscience, Genetics, Statistics, Psychometrics.
Dissertation Title: "Voxel-based morphometry. A contribution to research in cognitive neuroscience". BSc supervisors: Prof. Giuseppe Sartori and Dr. Matteo Bendini

- Title of qualification awarded
- Level in national classification

Doctor in Psychobiological and Cognitive Science (equivalent to BSC)
110/110 *cum laude*

PROFESSIONAL TRAINING

- Dates (from – to)
- Name and type of organisation
- Principal subjects
- Title of qualification awarded

November 2012 – November 2013
King's College London and University of Padua
Clinical Research, Clinical Neuropsychology and Neuro-rehabilitation
Italian Post-Graduate Apprenticeship in Clinical Psychology

RESEARCH AND PROFESSIONAL EXPERIENCE

- Dates (from – to)
- Name and address of employer
- Occupation or position held
- Main activities and responsibilities

May 2017 – January 2020 (2 years + maternity leave 23/9/2018 – 10/6/2019)
Crossmodal Perception and Plasticity Group at CIMeC – University of Trento
Post-Doctoral Fellow

Investigating the effects of short-term congenital visual deprivation on visual processing after sight restoration. The present research was carried out under the supervision of prof. Olivier Collignon as a part of the project MADVIS (ERC) for the study of brain cross-modal plasticity in blind individuals. Activities included: data acquisition and data analysis (fMRI-DTI, functional and structural connectivity, adaptation/release fMRI).

- Dates (from – to)
- Name and address of employer
- Occupation or position held
- Main activities and responsibilities

June 2016 – December 2016
Crossmodal Perception and Plasticity Group at CIMeC – University of Trento
Research Collaboration (Co.Co.Co a progetto) under the supervision of prof. Olivier Collignon
Contributed to the project MADVIS (ERC) for the study of brain cross-modal plasticity in blind individuals. Activities included: data acquisition and data analysis (fMRI-DTI, functional and structural connectivity, adaptation/release fMRI)

- Dates (from – to)
- Name and address of employer
- Occupation or position held
- Main activities and responsibilities

April 2013 – April 2016 (3 years)
Crossmodal Perception and Plasticity Group at CIMeC – University of Trento
Post-doctoral fellowship (Assegnista di ricerca)
Project coordinator of the Brain Plasticity and Deafness (BPAD) research project under the supervision of Dr. Olivier Collignon. The project consisted of a multimodal behavioural and imaging research on the functional principles of cross-modal plasticity in the ventral and dorsal processing

streams of individuals with profound deafness. Research activities included: project design and implementation, recruitment of deaf individuals and liaison with deaf associations, data collection (fMRI-DTI, psychophysics) and analyses (functional and structural connectivity, functional adaptation/release, MVPA). Teaching activities included: co-supervision of 6 MSc students and support to teaching in MSc program at CIMEC.

- Dates (from – to)
- Name and address of employer
- Occupation or position held
- Main activities and responsibilities

June 2012 – February 2013
 Department of Psychosis Studies, Institute of Psychiatry, King's College London
 Post-graduate research fellow
 Contributed to the analysis of brain imaging data acquired on patient with psychosis and the preparation of scientific articles for peer-reviewed journals under the supervision of Dr. Mechelli.

- Dates (from – to)
- Name and address of employer
- Occupation or position held
- Main activities and responsibilities

January 2009 – May 2012
 Department of Psychosis Studies, Institute of Psychiatry, King's College London
 Post-graduate research worker
 Project coordinator of the Connectivity and Function (CONFU) research project under the supervision of dr. Andrea Mechelli and Prof. Philip McGuire. The project aimed at investigating the neural basis of speech source attribution and language processing within the perisylvian language network of healthy individuals and patients with a first episode of psychosis or individuals at high risk of developing it. Research activities included: project design and implementation, recruitment of patients and liaison with clinical services, clinical and neuropsychological assessment, imaging data collection and analyses (fMRI-DTI; functional connectivity, machine learning and MVPA), preparation of scientific articles and participation to international research meetings. Teaching activities included: co-supervision of 2 BSc students and 1 MSc visiting student, as well as support to research coordination of one visiting doctoral student.

- Dates (from – to)
- Name and address of employer
- Occupation or position held
- Main activities and responsibilities

January 2000 – December 2006
 Audiology and Phoniatrics Unit, Department of Medical Specialties, University of Padua and Regional Hospital of Treviso
 Specialised Nurse under the direction of Prof. Edoardo Arslan
 Coordination of nursing activity and medical support. Activities included: Support to families of deaf children and children with language impairments (medical appointments and arrangements), support to medical activities, liaison with relevant health services in the hospital and in the local region, support to nursing trainees.

LANGUAGES

MOTHER TONGUE

ITALIAN

OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills

ENGLISH (IELTS EQUIVALENT)

Very Good
 Very Good
 Very Good

SCIENTIFIC ACTIVITIES

Research interests

- Multimodal language and communication processing, during face-to-face interactions, in the human brain
- Hearing and visual neuroscience of the face-voice brain system
- Cross-modal neural plasticity and sensory deprivation

- Neurofunctional indices and predictors of verbal language and communication outcome after cochlear implant in children and adults
- Translational and multimodal research approaches combining cognitive neuroscience, neuropsychology, brain imaging (fMRI, sMRI, DTI, MEG/EEG, NIRS)

SCIENTIFIC PUBLICATIONS

Scientific citation Reports (up to 1/2023)

Scopus: h-index 13, citations 1197

Web of Science: h-index 13, citations 1094

Google Scholar: h-index 16, i10-index 16, citations 1916

Articles authored in peer-reviewed journal

1. **Benetti, S.**, Ferrari, A., Pavani, F. (in press) Multimodal processing in face-to-face interactions: a bridging link between psycholinguistics and sensory neuroscience. *Frontiers in Human Neuroscience*, 17:24
2. Bottini, R., Nava, E., Cuntis, I.D., **Benetti, S.**, Collignon, O. (2022) Synesthesia in a congenitally blind individual. *Neuropsychologia*, 170, 108226
3. **Benetti, S.**, Zonca, J., Ferrari, A., Rezk, M., Rabini, G., Collignon, O. (2021) Visual motion processing recruits regions selective for auditory motion in early deaf individuals. *NeuroImage*, 117816.
4. **Benetti, S.**, Novello, L., Maffei, C., Rabini, G., Jovicich, J., Collignon, O. (2018) White matter connectivity between occipital and temporal regions involved in face and voice processing in hearing and early deaf individuals. *Neuroimage*
5. Davies-Thompson, J., Elli, G.V., Rezk, M., **Benetti, S.**, Van Ackeren, M., Collignon, O.(2018) Hierarchical brain network for face and voice integration of emotion expression. *Cerebral Cortex*
6. **Benetti, S.**, Van Ackeren, M., Rabini, G., Zonca, J., Foa, V., Baruffaldi, F., ... & Collignon, O. (2017) Functional selectivity for face processing in the temporal voice area of early deaf individuals. *Proceedings of the National Academy of Sciences*.
7. Falkenberg, I., **Benetti, S.**, Raffin, M., Wuyts, P., Pettersson-Yeo, W., Dazzan, P., ... & McGuire, P. (2017) Clinical utility of MRI scanning in First Episode Psychosis. *British Journal of Psychiatry* .
8. Pettersson-Yeo, W., **Benetti, S.**, Frisciata, S., Catani, M., Williams, S. C., Allen, P., ... & Mechelli, A. (2015). Does neuroanatomy account for superior temporal dysfunction in early psychosis? A multimodal MRI investigation. *Journal of psychiatry & neuroscience*.
9. Elli, G. V., **Benetti, S.**, & Collignon, O. (2014). Is there a future for sensory substitution outside academic laboratories?. *Multisensory research*.
10. Pettersson-Yeo W, **Benetti S**, Marquand AF, Joules R, Catani M, Wiliam S, Allen P, McGuire P, Mechelli A (2014). An empirical comparison of different approaches for combining multimodal neuroimaging data with support vector machine. *Frontiers in Neuroscience*.
11. Barsaglini A, Sartori G, **Benetti S**, Pettersson-Yeo W, Mechelli A. The Effects of Psychotherapy on Brain Function: A Systematic and Critical Review (2014). *Progress in Neurobiology*.
12. **Benetti, S.**, Pettersson-Yeo, W., Allen, P., Catani, M., Williams, S., Barsaglini, A., ... & Mechelli, A. (2013). Auditory verbal hallucinations and brain dysconnectivity in the perisylvian language network: a multimodal investigation. *Schizophrenia bulletin*.

13. **Benetti S**, Pettersson-Yeo W, Hutton C, Catani M, Williams S, Allen P, Kambeitz-Illankovic L, McGuire Philip, Mechelli A (2013). Elucidating neuroanatomical alterations in the At Risk Mental State and First Episode Psychosis: a combined voxel-based morphometry and voxel-based cortical thickness study. *Schizophrenia Research*.
14. Pettersson-Yeo W, **Benetti S**, Marquand AF, Dell'Acqua F, Williams SC, Prata D, Allen P, McGuire P, Mechelli A (2013). Using genetic, cognitive and multimodal neuroimaging data to identify ultra-high risk and first episode psychosis at individual level. *Psychological Medicine*.
15. Kambeitz-Illankovic L, Henning-Fast K, **Benetti S**, Kambeitz J, Pettersson-Yeo W, O'Daly O, McGuire P, Allen P (2012). Attentional modulation of source attribution in First Episode Psychosis: A functional magnetic resonance imaging study. *Schizophrenia Bulletin*.
16. Pettersson-Yeo, Allen P, **Benetti S**, McGuire P, Mechelli A (2011). Dysconnectivity in schizophrenia: where are we now? *Neurosci Biobehav Rev*.
17. Papagni SA, **Benetti S**, Arulanantham S, McCrory E, McGuire P, Mechelli A (2010). Effects of stressful life events on human brain structure: a longitudinal voxel-based morphometry study. *Stress*.
18. **Benetti S**, McCrory E, Arulanantham S, De Sanctis T, McGuire P, Mechelli A (2010). Attachment style, affective loss and gray matter volume: a voxel-based morphometry study. *Hum Brain Mapp*.
19. **Benetti S**, Mechelli A, Picchioni M, Broome M, Williams S, McGuire P (2009). Functional integration between the posterior hippocampus and prefrontal cortex is impaired in both first episode schizophrenia and At Risk Mental State. *Brain*.

Chapters authored in books

1. **Benetti, S**. Collignon O. (2022) Cross-modal integration and plasticity in the superior temporal cortex. In G. Miceli, P. Bartolomeo, V. Navarro. (Ed.) *The temporal lobe*. In *Handbook of Clinical Neurology*, volume 187. Elsevier (ISBN: 9780128234938 in press).
2. **Benetti, S.**, Pettersson-Yeo, W., Mechelli, A (2012). Connectivity Issues of the 'Hallucinating' Brain. In R. Jardri, D. Pins, A. Cachia, P. Thomas. (Ed.), *The Neuroscience of Hallucinations*. New York: Springer.

Conference Oral Presentations

1. **Benetti, S.** (2023). Cross-modal and plasticity in the superior temporal cortex. Invited to Symposium on « Integration and interaction between sensory modalities in children and adults with and without sensory impairments at XXIX AIP Experimental Section, 18-20 September 2023, Lucca (Italy).
2. **Benetti, S.**, et al. (2022). A brief period of postnatal visual deprivation leads to selective alteration in the response to facial identity in specific regions of the human face network. *Selected talk for XXX Conference of AIP – Associazione Italiana di Psicologia, 27-30 September 2022, Padova (Italy)*.
3. **Benetti, S.** (2022) What early auditory deprivation tells us about multisensory recognition of person identity in the human brain. *Invited to Symposium on "Deafness and blindness as insights into cognition" at IMRF, International Multisensory Research Forum, 4-7 July 2022, Ulm (Germany)*.
4. **Benetti, S.** (2022). Face specialization in the brain: insights from early sensory deprivation. *Invited to Symposium on "What can deafness and blindness tell us about cognition" at ICON-2020, International Conference of Cognitive Neuroscience, 18-22 May 2022, Helsinki (Finland)*.
5. **Benetti, S.** (2021). Promuovere l'ascolto dall'orecchio al cervello. 'Sordità infantile' Online Series, 14th December 2021, Trento (Italy)
6. **Benetti, S.** (2018). Plasticità e stabilità: selettività dell'elaborazione crossmodale nelle cortecce uditive. *Giornate di Neuropsicologia dell'Età Evolutiva – XIII edition, 17-19 January 2018, Bressanone (Italy)*.

7. **Benetti, S.** (2016). Faces Selectively Activate the Temporal Voice Area in Early Profound Deafness. *CAOs 2016 – 10th Rovereto Workshop on Concepts, Actions and Objects (Italy). Five Best Posters Award 2016,*

Conference Symposium Organization

Benetti,S., Ferrari, A (2023). Multisensory Processing in Face to Face Communication, 21st International Multisensory Research Forum (IMRF), 27-30 June 2023, Brussels (Belgium).

Conference Poster Presentations

1. Ferrari, A., Mazzi, G., Tommasini, M., Valzolgher, C., Pavani, F., **Benetti, S.** (2023). Domain-general Bayesian Causal Inference in Multisensory Processing of Face-to-Face Interactions. *Caos 2023 - 14th Rovereto Workshop on Concepts, Actions and Objects. Rovereto, Italy.*

2. **Benetti, S.,** Mattioni, S., Gao, X., Lewis, T., Maurer, D., Collignon, O (2023). Brief postnatal visual deprivation alters the identity processing in the human fusiform face area (2023). *Caos 2023 - 14th Rovereto Workshop on Concepts, Actions and Objects. Rovereto, Italy.*

3. **Benetti, S.,** Gao, X., Lewis, T., Maurer, D., Collignon, O. A brief period of postnatal Visual Deprivation leads to selective alteration in the response to facial identity in specific regions of the human face network (2021). *NeuroCog, 23-24 November 2021, Louvain-la-Neuve (Belgium).*

4. Saviola, F., Novello, L., Maffei, C., **Benetti,S.,** Battal., C et al. (2019) The deaf graph: Structural brain networking in auditory deprivation. *OHBM 2019 – 25th Organisation for Human Brain Mapping Meeting, Rome, Italy.*

5. **Benetti, S.,** XiaoQing, G., Collignon., O. (2018). Early Visual experience and temporal frequency tuning of the neural system for human face processing. *CAOs 2018 – 12th Rovereto Workshop on Concepts, Actions and Objects. Rovereto, Italy*

6. **Benetti, S.,** Zonca, G., Rabini, G., Ferrari., A., Rezk, M., Pavani, F., Collignon., O. (2017). Functional Selectivity for visual radial motion processing in the temporal auditory cortex of early deaf individuals *Workshop for the 10th anniversary of CIMeC, Rovereto, Italy.*

7. **Benetti, S.,** Rabini, G., Zonca, G., Baruffaldi., F., Foa, V., Pavani, F., Collignon., O. (2016). Faces Selectively Activate the Temporal Voice Area in Early Profound Deafness. *OHBM 2016 – 22nd Organisation for Human Brain Mapping Meeting, Geneve, Switzerland.*

8. **Benetti, S.,** Baruffaldi, F., Zonca, J., Rabini, G., Collignon O. (2015). Hearing by eye: does auditory deprivation weaken or enhance visual speech perception? A preliminary study in Italian Profoundly Deaf Individuals. *IMRF 2016 - 16th International Multisensory Research Forum, Pisa, Italy*

9. **Benetti, S.,** Di Gioia, G., Agwardal,S., Budisavljevic, S., Frau, .,N, Pavani, F., Collignon, O. (2015). Beyond language: an auditory-spatial role for the Arcuate Fasciculus? *CAOs 2015 - 9th Rovereto Workshop on Concepts, Actions and Objects, Rovereto, Italy*

10. **Benetti, S.,** Pettersson-Yeo, W., Allen, P., Catani, M., Williams, S., Barsaglini, A., ... & Mechelli, A. (2014). Vulnerability to Auditory verbal hallucinations and connectivity in the perisylvian language network: a multimodal investigation. *OHBM 2014 – 20th Organisation for Human Brain Mapping Meeting, Hamburg, Germany.*

11. Falkenberg, I., **Benetti,S.,** Petterson-Yeo,W., Dazzan P., Simmons, A., Williams, S., McGuire P. (2013). Incidental radiological findings on brain magnetic resonance imaging in patients with first-episode psychosis and healthy controls. *14th International Congress on Schizophrenia Research, Florida, US.*

12. **Benetti, S.,** Mechelli, A., Picchioni, M., Matthiasson, P., Broome, M. R., Weinstein, S., ... & McGuire, P. K. (2008). Functional integration between the anterior hippocampus and inferior frontal cortex is impaired in both

schizophrenia and the at risk mental state. *Schizophrenia Research*, 1(102), 97. SIRS 2008 - 1st *Schizophrenia International Research Society Conference, Venice, Italy.*

Grant and Awards

1. June 2008: Guarantors of Brain Travel Awards (500 pounds)
2. 2008-2012 PhD Fellowship, Dep. Psychosis Studies, IOPPN, King's College London, UK
3. May 2016: Abstract Award, 10th Rovereto CAOs Workshop (250 euro)
4. April 2017: Marie Sklodowska-Curie Actions Seal of Excellence
5. December 2021: Starting Grant Giovani Ricercatori, University of Trento (6000 euro)

Ad-Hoc Reviewer activity

Peer-reviewed journals

Cerebral Cortex, Human Brain Mapping, Frontiers in Psychology, Schizophrenia Research, Cortex, PLOS, NeuroImage, Scientific Reports, Brain Topography, Cognitive, Affective and Behavioural Neuroscience

Competitive grant evaluations

September 2015 – Action Medical Research for Children, UK

October 2021 – Preludium-20, National Science Center, Poland

May 2023 – Biotechnology and Biological Sciences Research Council (BBSRC), UK Research and Innovation

Doctoral evaluation committees

October 2021, Invited Member for evaluation of the doctoral thesis “Active listening in sound localization: Multisensory and motor contributions to perceiving and re-learning the auditory space”, candidate Chiara Valzogher, Université Claude Bernard, Lyon (France)

October 2022, Invited expert member of the evaluation Committee for the doctoral thesis “A multi-site image-based data sharing initiative to assess structural brain changes in large cohorts of early and late blind individuals”, candidate Cemal Koba, IMT Lucca (Italy).

Relevant Research Training

4/2018 **Machine Learning**. Certified course by Stanford University on Coursera. Held by professor Andrew Ng, Computer Science Department.

4/2016 **Workshop “Deafness: Sign Language, Cochlear Implant and Language Rehabilitation”** – Held at the University of Padua, Italy

11/2015 **Workshop “Hearing and Language Impairments in Childhood”** – Held in Bolzano, Italy.

2/2015 **Statistical Parametric Mapping advanced course** – Held at the University of Zurich, course director Prof. Klaas Enno Setphan.

9/2014 **RESUS – Repetition and Suppression Summer School**. Held at the University of Jena, school directors Prof. Gyula Kovacs and Prof. Stefan R. Schweinberger.

11/2010 **VIVID – DTI tractography training**. Held ‘in-house’ by the NetBrainLab members (Director Dr. Marco Catani), Institute of Psychiatry, King's College London

2007-2008 **SPM Methods for Dummies**. Methodological Group, Functional Imaging Laboratory, University College London. Weekly seminars presented by attendees and SPM experts. Topic of presentation: Dynamic Causal Modelling (Expert supervisor dr. Klaas E. Stephan).

TEACHING AND MENTORING ACTIVITIES

Co-Teaching Experience

2015 Foundation of Neuroscience Course. Lectures on “The Hearing Brain” and “Brain Plasticity and Deafness”. MSc in Cognitive Science, CIMEC, University of Trento.

2021/2022 Cognitive Neuroscience Course. Lectures on “Advanced brain imaging techniques applied to cognitive neuroscience” and on “Crossmodal brain plasticity”. MSc in Psychology, DPSC, University of Trento

2021 Understanding Cognitive Psychology and Neuroscience. Lectures on “Cross-modal Brain Plasticity”. MSc in Cognitive Science, CIMEC, University of Trento.

2022 Foundation of Cognitive Psychology and Neuroscience. Lectures on “Cross-modal Brain Plasticity”. MSc in Cognitive Science, Computational and theoretical modelling of Language and Cognition (CLC) track, CIMEC, University of Trento.

Supervision Experience

The following co-supervision activities were carried out in collaboration with Prof. Pavani (2,5-6, 11-12) Dr. Collignon at CIMEC (7-10,13) and Prof. Mechelli (14-15) at the King's College London:

1. 2023 – ongoing Giulia Mazzi (PhD Student in Cognitive and Brain Science). Giulia is working on the neural correlates of ostensive and referential signal processing in early infancy. CIMEC, Unitn, Trento.
2. 2023 – ongoing Maria Laura Mencaroni (MSc in Psychology, Neuroscience track). Maria Laura is working on a fMRI project investigating multimodal processing of communicative signals during face-to-face interactions in visual and auditory brain regions. DPSC and CIMEC, UNITN, Trento.
3. 2023 Maddalena Cristillo (MSc in Cognitive Sciences). Maddalena worked on the implementation of an online test for lip-reading proficiency in hearing and deaf individuals. CIMEC, UNITN, Trento
4. 2022 – 2023 Mirko Tommasini (MSc in Psychology, Neuroscience track). Mirko worked on a fMRI project investigating multisensory speech processing in sensory-motor brain regions. DPSC and CIMEC, UNITN, Trento.
5. 2022 – 2023 Giulia Mazzi (MSc in Psychology, Neuroscience track). Giulia worked on a fMRI project investigating multimodal processing of communicative signals during face-to-face interactions in visual and auditory brain regions. DPSC and CIMEC, UNITN, Trento.
6. 2022 Annie Trueman (BSc in Scienze e Tecniche di Psicologia Cognitiva). Lip-it_ lip reading and speech comprehension in hearing and deaf people. Development and validation of a lip reading in Italian population
7. 2020 – 2021 Francesca Pase (MSc in Cognitive Science) Earing by eye: visual-speech comprehension in hearing adults, CIMEC- UNITN. Francesca is now pursuing a clinical career as a paediatric speech therapist.
8. 2015 – 2016 Lisa Novello (MSc Cognitive Neuroscience): *Long-range structural cortico-cortical connectivity in profound deaf individuals*. CIMEC-UNITN. Lisa was awarded a PhD by CIMEC (Prof. Jovovich) where she is now a post-doctoral collaborator.
9. 2014 – 2015 Giuseppe Rabini (MSc Psychology): *Cross-modal plasticity and face processing in auditory deprivation*. UNITN. Giuseppe was then awarded a PhD by CIMEC (with prof. Pavani) and is now a post-doctoral researcher at CIMEC (with prof. Turella).
10. 2014 – 2015 Joshua Zonca (MSc Cognitive Neuroscience): *Global and biological motion processing in the deaf brain: an fMRI study*. CIMEC – UNITN. Joshua was awarded a PhD by CIMEC (prof. Coricelli) and is now a post-doctoral researcher at the Italian Institute of Technology in Genoa.

11. 2013 – 2014 Ambra Ferrari (MSc Psychology): *Investigating Cross-modal Plasticity in Deafness*. CIMeC – UNITN. Ambra was awarded a PhD by the University of Birmingham (prof. Noppeney) and is now a post-doctoral researcher at Donders Institute (prof. De Lange) in Nijmegen.
12. 2013 – 2014 Giulia di Gioia (MSc Psychology): *White Matter alterations in patients with unilateral deafness: a DTI study*. UNITN. Giulia pursued a clinical career as a developmental neuropsychologist.
13. 2013 – 2014 Simone Centonze (MSc Psychology): *Cortical alterations in patients with unilateral deafness: a voxel-based morphometry and cortical thickness comparison*. UNITN. Simone pursued a career as a cognitive psychologist.
14. 2013 Giulia Valeria Elli (MSc Cognitive Neuroscience): *The neural basis of the multisensory emotion expression*. CIMeC – UNITN. Giulia was awarded a PhD by the J. Hopkins University (Prof. Bedny) and is now a pos candidate in prof. Bedney lab at Johns Hopkins University and is now a researcher at Microsoft.
15. 2010 – 2011 Stefanie Chua (Intercalated BSc in Anatomy and Neuroscience from the Faculty of Medicine): *How does the brain structure reflect verbal recall abilities? A VBM and cortical thickness study*. KCL.
16. 2008 – 2009 Sobida Arulanantham (Intercalated BSc in Anatomy and Neuroscience from the Faculty of Medicine): *Effects of learning on the brain structure. A longitudinal VBM studies on Sudoku learners*. KCL.

OUTREACH ACTIVITIES

- 2008 *From anatomy and connections, to functions*. Invited Talk, Neuroscience Department, Regional Hospital of Treviso. Italy
- 2015 Proposer of “*The magic of brain*”. Research Night, University of Trento, Trento, Italy
- 2016 Symposium proposer and moderator of “*Segni che lasciano il segno*”. Speakers: Terrence Deacon, Francesco Pavani, Roberto Bottini, Stefania Benetti, 14th Genova Science Festival 2016. Genova, Italy
- 2016 Contribution to UNITRENTOMaG web-magazine: “*Spiegare l’evoluzione del linguaggio attraverso le neuroscienze. Lectio Magistralis di Terrence Deacon*” (*in collaboration with Roberto Bottini*).
- 2017 Contribution to UNITRENTOMaG web-magazine: “*La plasticità cerebrale nelle persone sorde. Uno studio condotto dal Cimec e pubblicato sulla rivista scientifica PNAS*”
- 2022 Lecture “*Vedere Voci e Sentire Colori: il cervello umano tra plasticità e stabilità*”, Collegio di Merito “Bernardo Clesio”, Trento, Italy
- 2022 Invited public talk “*Vedere per credere: il cervello umano tra sensi e realtà*”, CIMeC Città, Rovereto, Italy

Research coverage in the media

1. ***Persone sorde dalla nascita possono ‘ascoltare i volti’*** ([su Ansa](#)). 27/6/17
2. ***Persone sorde dalla nascita possono ‘ascoltare i volti’*** ([su Giornale di Sicilia](#)). 27/6/17
3. ***Sordo dalla nascita? Può “ascoltare” i volti grazie al cervello*** ([su Corriere Adriatico](#)) . 27/6/17
4. ***Sordi dalla nascita? Possono ascoltare I volti***. ([su Il Mattino](#)). 27/6/17
5. ***Sordità: come il cervello impara ad “ascoltare” i volti***.([su Il Trentino - Provincia Autonoma di Trento](#)). 28/6/17
6. ***Sordità: il cervello “ascolta” i volti*** ([su Il Tempo](#)). 28/6/17
7. ***Anche i volti «parlano» ai sordi*** ([sull'Adige](#)). 28/6/17

8. **Plasticità del cervello 'tramuta' vista in udito, sordi "ascoltano" i volti** ([su IntelligoNews](#)). 28/6/17
9. **«Ascoltare i volti». Gli stati d'animo attraverso le voci** ([sul Trentino](#)). 24/7/17
10. **Ecco come i sordi riescono ad "ascoltare" i volti** ([su Wise Society](#)). 17/8/17
11. **Man born blind has synaesthesia that makes numbers feel textured** ([on New Scientist](#)). 19/4/22

29th December 2023

Stefania Benetti
