

**European**  
**CURRICULUM**  
**VITAE**



**PERSONAL INFORMATION**

Name and Surname

Work address

Telephone

Fax

e-mail address

Nationality

Date of birth

Current position

**GIUSEPPE LANZA**

VIA SANTA SOFIA 78, 95123, CATANIA, ITALY (INSTITUTIONAL) – VIA CONTE RUGGERO 73, 94018, TROINA, ITALY (HOSPITAL)

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[giuseppe.lanza1@unict.it](mailto:giuseppe.lanza1@unict.it) (institutional) – [giuseppelanza2003@yahoo.it](mailto:giuseppelanza2003@yahoo.it) (personal)

ITALIAN

September 19, 1982

Associate Professor, Consultant Neurologist, Chief Research Unit

**WORK EXPERIENCES**

• Dates (from – to)

• Name and address of employer

• Type of business or sector

• Occupation or position held

• Main activities and responsibilities

*FROM NOVEMBER 2021*

University of Catania, Catania (Italy)

Sciences of Health Professions, Department of General Surgery and Medical-Surgical Specialties. Associate Professor of Applied Medical Sciences Techniques; teaching courses: Speech Therapist (3 teaching courses); Techniques of Medical Radiology, Imaging, and Radiotherapy (1 teaching course); Physiotherapy (1 teaching course); Occupational Therapy (1 teaching course); Rehabilitation Sciences for the Health Professions (1 teaching course); Specialization school in Orthodontics (1 teaching course)

Associate Professor, academic field “Applied Medical Sciences Techniques”

Research and didactic activities, integrative teaching, and service to students. Member of the Permanent Departmental Commission for Quality Assurance, the Didactic Commission, and the Subcommittee for Research. Member of the Quality Committee of the Professional Activities Committee, Speech Therapy and Occupational Therapy Degree Courses. Vice-President, Member of the Quality Committee, and Member of License Exam and Degree Course Ceremony Committee, Physiotherapy and Occupational Therapy Degree Courses, Academic field: 06/N1, Sciences of Health Professions and Applied Medical Sciences Techniques. Member of the License Exam and Degree Course Ceremony Committee, Medicine and Surgery Degree Course

• Dates (from – to)

• Name and address of employer

• Type of business or sector

• Occupation or position held

• Main activities and responsibilities

*FROM MARCH 2019 TO TODAY*

University of Catania, in agreement with the Oasi Research Institute – IRCCS, Troina (Italy) – Collaborating Center of the World Health Organization (WHO) for Research and Training in Neuroscience.

Department of Neurology IC

Consultant Neurologist

Clinical and Lab activities, neurodegenerative diseases, sleep disorders, epilepsy, basic and clinical research

• Dates (from – to)

• Name and address of employer

• Type of business or sector

• Occupation or position held

• Main activities and responsibilities

*FROM NOVEMBER 2018 TO OCTOBER 2021*

University of Catania, Catania (Italy)

Sciences of Health Professions, Department of General Surgery and Medical-Surgical Specialties. Assistant Professor of Applied Medical Sciences Techniques; teaching courses: Speech Therapist (2 teaching courses); Techniques of Medical Radiology, Imaging, and Radiotherapy (1 teaching course); Physiotherapy (1 teaching course); Occupational Therapy (1 teaching course)

Senior Academic Researcher

Research and didactic activities, integrative teaching, and service to students. Member of the Quality Committee and Professional Activities Committee, Speech Therapy Degree Course. Member of the Quality Committee, Physiotherapy Degree Course Academic field: 06/N1,

Sciences of Health Professions and Applied Medical Sciences Techniques. Referent of the Minister of University and Research (MUR) during the Physiotherapy License exam and Degree Course Ceremony Committee; Component of the Speech Therapy License exam and Degree Course Ceremony Committee

- Dates (from – to) *FROM MAY 2013 TO OCTOBER 2018*
- Name and address of employer Oasi Research Institute – IRCCS. Via Conte Ruggero, 73 – 94018, Troina (Italy) – Collaborating Center of the World Health Organization (WHO) for Research and Training in Neuroscience.  
Department of Neurology IC  
Consultant Neurologist and Clinical Researcher
- Type of business or sector
- Occupation or position held
- Main activities and responsibilities Clinical and Lab activities, neurodegenerative diseases, sleep disorders, epilepsy, basic and clinical research

- Dates (from – to) *FROM MARCH 2008 TO MARCH 2013*
- Name and address of employer School of Neurology, University of Catania. Via Santa Sofia, 78 – 95123, Catania (Italy)  
Neurology Unit, “Policlinico – Vittorio Emanuele” University Hospital, Catania (Italy)  
Acute Cerebrovascular Disease Unit, “Policlinico – Vittorio Emanuele” University Hospital, Catania (Italy)
- Type of business or sector
- Occupation or position held Resident in Neurology
- Main activities and responsibilities Clinical care, Clinical Neurophysiology, Neurosonology, clinical and basic research

- Dates (from – to) *FROM SEPTEMBER TO NOVEMBER 2013*
- Name and address of employer University of Catania, Catania (Italy)  
Department of Electrical, Electronic and Computer Engineering
- Type of business or sector
- Occupation or position held Assistant Investigator
- Main activities and responsibilities Clinical support to Transcranial Magnetic Stimulation (TMS), Electroencephalography (EEG) and their integration for the experimental study of the processes underlying neurotransmission and neuroplasticity involved in the regulation and deterioration of cognitive functions.

- Dates (from – to) *FROM OCTOBER 2015 TO OCTOBER 2018 AND FROM NOVEMBER 2021 TO OCTOBER 2023*
- Name and address of employer “Kore” University of Enna, Enna (Italy)  
School of Motor and Sport Activities Sciences
- Type of business or sector
- Occupation or position held Contract Professor of Neurology, academic years 2015-2016, 2016-2017, 2017-2018, 2021-2022, and 2022-2023
- Main activities and responsibilities Lessons and exams of Neurology. Supervisor of students’ dissertation. Teacher at seminar.

## **EDUCATION AND TRAINING**

- Dates (from – to) *2001-2017*
- Name and type of organization providing education and training Italian Minister of University and Research (MIUR)
- Principal subjects/occupational skills covered General Neurology, Cerebrovascular diseases, Dementia and other Cognitive Disorders, Neurosonology, Neurophysiology, and Transcranial Magnetic Stimulation
- Title of qualification awarded
  - *October 2007*: Medical Degree at the University of Catania (degree mark: 110 /110 *cum laude* and proposal to the “*Barbagallo Award*”). Dissertation title: “Evaluation of the possible effect of repetitive Transcranial Magnetic Stimulation on the cognitive aspects of Alzheimer’s disease”
  - *February 2008*: License to practice (license mark: 27.000/27.000).
  - *March 2013*: Specialization in Neurology at the University of Catania (degree mark: 70 /70 *cum laude*). Dissertation title: “Vascular Cognitive Impairment: a Transcranial Magnetic Stimulation Study”
  - *February 2017*: International PhD in “*Basic and applied biomedical sciences*” (XXIX Program), University of Catania, Catania (Italy). Dissertation title: “Identification of early neurophysiological markers related to cognitive-behavioral disorders and progression of Vascular Cognitive Impairment: a Transcranial Magnetic Stimulation study”
  - From November 2017: National Scientific Qualification as Associate Professor (procedure for the Italian University Professor position recruiting, based on scientific qualification criteria) – Academic field: 06/N1, Sciences of Health Professions and Applied Medical Techniques
  - From June 2020: National Scientific Qualification as Full Professor (procedure for

the Italian University Professor position recruiting, based on scientific qualification criteria) – Academic field: 06/N1, Sciences of Health Professions and Applied Medical Techniques  
- From April 2021: National Scientific Qualification as Associate Professor (procedure for the Italian University Professor position recruiting, based on scientific qualification criteria) – Academic field: 06/D6, Neurology

- Dates (from – to) *From March 2008*
- Name and type of organization Official Register of Physicians of Catania (Italy)
- Principal subjects/occupation Full Registration
  
- Dates (from – to) *From June 2012*
- Name and type of organization General Medical Council (UK)
- Principal subjects/occupational skills covered Full Registration to the as a Medical Practitioner; registration on the Principal List of the Register of Medical Practitioner
  
- Dates (from – to) *March 2013*
- Name and type of organization European Federation of Neurological Societies (EFNS)
- Principal subjects/occupational skills covered Selected participant for one the six Scientific Fellowship 2013; Project Title: “Visual hallucinations in dementia with Lewy bodies: a combined TMS/EEG study”
  
- Dates (from – to) *From January to October 2017*
- Name and type of organization Pegaso e-University (Italy), academic year 2016-2017
- Principal subjects Master of Science in “*Clinical Research in Healthcare*” (degree mark: 30/30)
  
- Dates (from – to) *July 2004*
- Name and type of organization providing education and training International Federation of Medical Students Associations (IFMSA) at Sahlgrenska University Hospital, Gothenburg (Sweden)
- Principal subjects/occupational skills covered Professional exchange program, participation to clinical, academic and scientific activities
  
- Dates (from – to) *August 2005*
- Name and type of organization providing education and training International Federation of Medical Students Associations (IFMSA) at Toho University Omori Hospital, Tokyo (Japan)
- Principal subjects/occupational skills covered Professional exchange program, participation to clinical, didactic and scientific activities
  
- Dates (from – to) *August 2006*
- Name and type of organization providing education and training International Federation of Medical Students Associations (IFMSA) at Ioannina University Hospital, Ioannina (Greece)
- Principal subjects/occupational skills covered Professional exchange program, participation to clinical, academic and scientific activities
  
- Dates (from – to) *From January to July 2009*
- Name and type of organization providing education and training Neuroradiology Unit, Policlinico University Hospital, University of Catania, Catania (Italy)
- Principal subjects/occupational skills covered Training in Neuroradiology; participation to clinical, academic and scientific activities
  
- Dates (from – to) *September 2011*
- Name and type of organization providing education and training Neurology Unit, Sant’Andrea Civic Hospital, NHS ASL n. 5 “*Spezzino*”, La Spezia (Italy)
- Principal subjects/occupational skills covered Training in Neurovascular medicine, stroke care and Neurosonology; participation to clinical, academic and scientific activities
  
- Dates (from – to) *From September 2012 to March 2013*

- Name and type of organization providing education and training - Department of Clinical Neurophysiology, Royal Victoria Infirmary, Newcastle University, Newcastle-upon-Tyne (UK)
- Principal subjects/occupational skills covered Training in Clinical Neurophysiology (EMG, EEG, Evoked Potentials, sleep study); participation to clinical, academic and scientific activities
- Institute of Neuroscience, Newcastle University, Newcastle-upon-Tyne (UK)  
Clinical Research Fellow. Project title: "Study of the corticomuscular coherence in subjects under the rubber hand illusion", Laboratory of Movement Control
- Dates (from – to) *From 8 to 13 September 2014*
- Name and type of organization providing education and training Selected participant at the "2nd TMS-EEG Summer School: Probing Brain Dynamics", promoted by the Department of Biomedical Engineering and Computational Science (BECS) at Aalto University School of Science, Helsinki (Finland)
- Dates (from – to) *From July 25 to August 07, 2021*
- Name and type of organization providing education and training Participant at the "A Comprehensive Review of Movement Disorders for the Clinical Practitioner" promoted by The International Parkinson and Movement Disorder Society (MDS)

**PERSONAL SKILLS AND COMPETENCES**

MOTHER TONGUE  
OTHER LANGUAGES

ITALIAN

- ENGLISH ("FIRST" CERTIFICATE OF UNIVERSITY OF CAMBRIDGE – ESOL EXAMINATION)

EXCELLENT

- FRENCH

BASIC

• Reading/Writing/Verbal skills

• Reading/Writing/Verbal skills

**SOCIAL SKILLS AND COMPETENCES**

I ACTIVELY WORK IN TEAM WITH MEDICAL AND PARAMEDICAL STAFF IN PATIENT CARE AND IN CLINICAL AND SCIENTIFIC ACTIVITIES. I COLLABORATE WITH CLINICIANS AND RESEARCHERS FROM OTHER DEPARTMENTS AND HOSPITALS FOR PATIENT CARE AND SCIENTIFIC DUTIES

**ORGANIZATIONAL SKILLS AND COMPETENCES**

I AM THE REFERENT OF THE TMS LAB OF THE OASI RESEARCH INSTITUTE-IRCCS OF TROINA (ITALY), DEALING WITH CLINICAL AND SCIENTIFIC ACTIVITIES, COLLABORATIONS, AND BUDGET ADMINISTRATION

**TECHNICAL SKILLS AND COMPETENCES**

KNOWLEDGE AND USE OF PC AND MAIN APPLICATIONS, AS WELL AS NEUROPHYSIOLOGICAL (TMS, EMG, EEG) AND NEUROSONOLOGICAL (EPIAORTIC AND INTRACRANIC VESSELS) EQUIPMENT.

ICH GOOD CLINICAL PRACTICE E6 (R2), WITH A SCORE OF 100% - E-LEARNING COURSE CERTIFIED BY THE GLOBAL HEALTH NETWORK ON JUNE 15, 2022

**DRIVING LICENSES**

EUROPEAN DRIVING LICENSE, CLASS A (MOTORCYCLES) AND B (CARS)

**CONGRESS ACTIVITY**

- FOUNDER MEMBER OF THE ITALIAN SOCIETY FOR THE TRANSLATIONAL RESEARCH AND HEALTH-CARE PROFESSIONS (SIRTEPS)

- COMMITTEE MEMBER OF THE ITALIAN SOCIETY OF NEUROSONOLOGY AND CEREBRAL HEMODYNAMICS (SINSEC)

- FULL MEMBER OF THE FOLLOWING SCIENTIFIC SOCIETIES:

\* EUROPEAN ACADEMY OF NEUROLOGY (EAN)

\* ITALIAN NEUROLOGICAL SOCIETY (SIN)

\* ITALIAN SOCIETY OF HOSPITAL NEUROLOGISTS, NEUROSURGEONS AND NEURORADIOLOGISTS (SNO)

\* ITALIAN SOCIETY OF PARKINSON'S AND MOVEMENT DISORDERS (LIMPE-DISMOV ETS) ("ACCADEMIA LIMPE-DISMOV")

\* ITALIAN STROKE ASSOCIATION – ASSOCIAZIONE ITALIANA ICTUS (ISA-AII)

\* ITALIAN ASSOCIATION AGAINST STROKE (ALICE)

\* ITALIAN ASSOCIATION OF SLEEP MEDICINE (AIMS)

\* ITALIAN SOCIETY OF CLINICAL NEUROPHYSIOLOGY (SINC)

\* WORLD SLEEP SOCIETY (WSS)

- \* INTERNATIONAL NEUROMODULATION SOCIETY (INS)
  - \* INTERNATIONAL RESTLESS LEGS SYNDROME STUDY GROUP (IRLSSG)
  - \* ITALIAN SOCIETY OF NEUROSONOLOGY AND CEREBRAL HEMODYNAMICS (SINSEC)
  - \* ITALIAN ASSOCIATION OF EMERGENCY-URGENCY NEUROLOGY (ANEU)
  - \* ITALIAN ASSOCIATION OF OUTPATIENT CLINIC AND TERRITORIAL NEUROLOGISTS (AINAT)
  - \* ITALIAN SOCIETY OF GENDER MEDICINE IN NEUROSCIENCES (SIMEGEN)
  - \* INTERNATIONAL PARKINSON AND MOVEMENT DISORDER SOCIETY (MDS)
  - \* INTERNATIONAL SOCIETY OF GLOBAL HEALTH (ISOGH)
  - \* ITALIAN ASSOCIATION OF TELEMEDICINE AND MEDICAL INFORMATICS (AITIM)
- E-MEMBER OF THE AMERICAN CONGRESS OF REHABILITATION MEDICINE (ACRM)
- PARTICIPATION AT SEVERAL INTERNATIONAL, NATIONAL AND LOCAL MEETINGS AND CONFERENCES
- SPEAKER AT NATIONAL AND INTERNATIONAL CONFERENCES AND SEMINAR, INCLUDING:
- \* THE ANNUAL MEETING (MARCH 2015) OF THE WORLD ASSOCIATION OF SLEEP MEDICINE (WASM) IN SEOUL (SOUTH KOREA)
  - \* THE 9<sup>TH</sup> INTERNATIONAL CONGRESS ON VASCULAR DEMENTIA (ICVD) (OCTOBER 2015) IN LJUBLJANA (SLOVENIA)
  - \* THE INTERNATIONAL RLS STUDY GROUP (IRLSSG) AND EUROPEAN RLS STUDY GROUP (EU-RLSSG) RLS/WED SCIENCE SUMMIT (OCTOBER 2015) IN PACIFIC GROVE, CA – USA
  - \* FOURTH NEUROMI INTERNATIONAL MEETING. BRAIN STIMULATION AND BRAIN PLASTICITY: FROM BASIC RESEARCH TO CLINICAL PRACTICE (NOVEMBER 2018) IN MILAN (ITALY)
  - \* 5<sup>TH</sup> CONGRESS OF THE EUROPEAN ACADEMY OF NEUROLOGY (EAN) (JUNE 29-JULY 02, 2019) IN OSLO (NORWAY)
  - \* 15<sup>TH</sup> WORLD SLEEP CONGRESS (WSC) (SEPTEMBER 2019) IN VANCOUVER (CANADA)
  - \* 25<sup>TH</sup> CONGRESS OF THE EUROPEAN SLEEP RESEARCH SOCIETY (ESRS) (SEPTEMBER 2020), VIRTUAL EDITION
  - \* 7<sup>TH</sup> HUAXIA INTERNATIONAL NEUROLOGY FORUM, BEIJING (CHINA), NOVEMBER 20-21, 2021
  - \* 16<sup>TH</sup> WORLD SLEEP CONGRESS (WSC) (MARCH 2022) IN ROME (ITALY)
  - \* 5<sup>TH</sup> ACADEMIC ANNUAL MEETING OF NEUROLOGY COMMITTEE OF CHINESE MEDICAL EDUCATION ASSOCIATION - INTERNATIONAL NEUROLOGICAL DISORDERS & NEUROPHYSIOLOGY CONFERENCE (INNOC 2022), NOVEMBER 4-6, 2022, SHIJIAZHUANG (CHINA)
- INVITED CHAIR OF THE SESSION POSTER “EPO2015 – CEREBROVASCULAR DISEASES 3” DURING THE EUROPEAN ACADEMY OF NEUROLOGY (EAN) VIRTUAL CONGRESS. JUNE 18-22, 2021
- TEACHER AT SEVERAL LOCAL, NATIONAL, AND INTERNATIONAL CME EVENTS.
- SCIENTIFIC DIRECTOR OF THE CME EVENT TITLED:
- \* “ATYPICAL PARKINSONISM: FROM CORRECT IDENTIFICATION TO MULTIDISCIPLINARY MANAGEMENT”, AT OASI RESEARCH INSTITUTE – IRCCS, TROINA, ITALY – MAY 14, 2016;
  - \* “NEW CLINICAL-PATHOPHYSIOLOGICAL ASSESSMENT OF VASCULAR DEMENTIA”, AT OASI RESEARCH INSTITUTE – IRCCS, TROINA, ITALY – JUNE 17, 2017.
- ORGANIZER AND DIDACTIC REFERENT OF THE EDUCATIONAL EVENT “ASPECTS OF NEUROPSYCHOMOTRICITY AND OCCUPATIONAL THERAPY IN TEAM WORK WITH THE SPEECH THERAPY, AIMED AT STUDENTS OF SPEECH THERAPY AND OCCUPATIONAL THERAPY DEGREE COURSE, UNIVERSITY OF CATANIA, IN COOPERATION WITH THE OASI RESEARCH INSTITUTE – IRCCS, TROINA, ITALY – MAY 27, 2021
- POSTERS PRESENTER AT NATIONAL AND INTERNATIONAL MEETINGS, INCLUDING THE:
- \* ANNUAL MEETING (2011), AMERICAN ACADEMY OF NEUROLOGY (AAN), HONOLULU (HAWAII, USA)
  - \* 6<sup>TH</sup> INTERNATIONAL CONFERENCE ON TRANSCRANIAL BRAIN STIMULATION (2016) IN GÖTTINGEN (GERMANY)
  - \* 2<sup>ND</sup> INTERNATIONAL BRAIN STIMULATION CONFERENCE (2017) IN BARCELONA (SPAIN)
  - \* 4<sup>TH</sup> CONGRESS OF THE EUROPEAN ACADEMY OF NEUROLOGY (2018) IN LISBON (PORTUGAL)
  - \* FOURTH NEUROMI INTERNATIONAL MEETING. BRAIN STIMULATION AND BRAIN PLASTICITY: FROM BASIC RESEARCH TO CLINICAL PRACTICE (NOVEMBER 2018) IN MILAN (ITALY)
  - \* 3<sup>RD</sup> INTERNATIONAL BRAIN STIMULATION CONFERENCE (2019) IN VANCOUVER (CANADA)

- \* 14<sup>TH</sup> INTERNATIONAL NEUROMODULATION SOCIETY'S WORLD CONGRESS (2019) IN SYDNEY (AUSTRALIA)
- \* 6<sup>TH</sup> VIRTUAL CONGRESS OF THE EUROPEAN ACADEMY OF NEUROLOGY (EAN) (2020)
- \* 7<sup>TH</sup> INTERNATIONAL CONFERENCE ON NON-INVASIVE BRAIN STIMULATION & 4<sup>TH</sup> EUROPEAN CONFERENCE OF BRAIN STIMULATION IN PSYCHIATRY (2020), VIRTUAL EDITION
- \* 16<sup>TH</sup> WORLD SLEEP CONGRESS (WSC) (2022) IN ROME (ITALY)
- \* 32<sup>ND</sup> INTERNATIONAL CONGRESS OF CLINICAL NEUROPHYSIOLOGY (2022), GENÈVE (SWITZERLAND)

- PRINCIPAL INVESTIGATOR OF THE FOLLOWING SCIENTIFIC PROJECTS:

- \* STUDY OF THE POSSIBLE EFFECTS OF LOW-FREQUENCY (INHIBITORY) REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION ON SENSORY-MOTOR CORTEX OF PATIENTS WITH RESTLESS LEGS SYNDROME (2015-2016), PROMOTED AND FINANCED BY THE ITALIAN MINISTER OF HEALTH ("RICERCA CORRENTE")
- \* STUDIO DELLE MODIFICAZIONI DELL'ECCITABILITÀ CORTICALE TRAMITE STIMOLAZIONE MAGNETICA TRANSCRANICA (TMS) IN PAZIENTI AFFETTI DA REM SLEEP BEHAVIOR DISORDER (RBD) (2017), PROMOTED AND FINANCED BY THE ITALIAN MINISTER OF HEALTH ("RICERCA CORRENTE")
- \* STUDIO CON STIMOLAZIONE MAGNETICA TRANSCRANICA (TMS) DI MARCATORI PRECOCI DI NEURODEGENERAZIONE IN PAZIENTI AFFETTI DA REM-SLEEP BEHAVIOR DISORDER (2018-2021), PROMOTED AND FINANCED BY THE ITALIAN MINISTER OF HEALTH ("RICERCA CORRENTE")
- \* DEMO-STUDY. "STIMOLAZIONE MAGNETICA TRANSCRANICA NELLE DEMENZE E DEPRESSIONE GERIATRICA: RUOLO DELLE NEUROTROFINE COME MARKERS DI MALATTIA ED OUTCOME MEASURES" (2020-2022), PROMOTED AND FINANCED BY THE UNIVERSITY OF CATANIA (ITALY)
- \* RUOLO DIAGNOSTICO E PROGNOSTICO DI MARKERS ELETTROFISIOLOGICI ALLA STIMOLAZIONE MAGNETICA TRANSCRANICA E LORO CORRELATI NEUROCHIMICI NEL DECLINO COGNITIVO E NEI DISTURBI DEL SONNO (2022-2023), PROMOTED AND FINANCED BY THE ITALIAN MINISTER OF HEALTH ("RICERCA CORRENTE")
- \* TRANSLATIONAL CORRELATES OF MULTIMODAL ELECTROPHYSIOLOGICAL MARKERS OF DISEASE PROCESS IN REM SLEEP BEHAVIOR DISORDER (RBD) AND ITS PROGRESSION INTO NEURODEGENERATIVE DISORDERS: DIAGNOSTIC HINTS AND THERAPEUTIC IMPLICATIONS (2023-2025), SELECTED AFTER INTERNATIONAL DOUBLE-BLINDED PEER-REVIEW AND FINANCED BY THE ITALIAN MINISTER OF HEALTH ("RICERCA FINALIZZATA – YOUNG RESEARCHER PROJECT" – PROJECT CODE: GR-2021-12372863), OASI RESEARCH INSTITUTE-IRCCS AND UNIVERSITY OF CATANIA

- ASSISTANT INVESTIGATOR OF THE FOLLOWING SCIENTIFIC RESEARCH PROJECTS:

- \* FAMOUS-UNICT: IDENTIFICAZIONE E MONITORAGGIO DI MARKERS PRECOCI MULTIORGANO NELLA MALATTIA DI ANDERSON-FABRY (AFD) (2020-2022), PROMOTED AND FINANCED BY THE UNIVERSITY OF CATANIA (ITALY)
- \* DREAMER – ISOLATED REM SLEEP WITHOUT ATONIA AS A RISK FACTOR FOR REM SLEEP BEHAVIOR DISORDER. CONSTITUTION OF A COHORT FOR A LONG-TERM PROSPECTIVE FOLLOW-UP STUDY, SELECTED AFTER INTERNATIONAL DOUBLE-BLINDED PEER-REVIEW BY THE NATIONAL RECOVERY AND RESILIENCE PLAN (PNRR) (CHRONIC NON-COMMUNICABLE DISEASES – PROJECT CODE: PNRR-MAD-2022-12375694) AND FINANCED BY THE PNRR, OASI RESEARCH INSTITUTE-IRCCS OF TROINA AND UNIVERSITY OF CATANIA (ITALY)

- 2015-2018: MEMBER OF THE MEDICAL AND SCIENTIFIC ADVISORY COMMITTEE OF THE 11<sup>TH</sup> REVISION OF THE INTERNATIONAL CLASSIFICATION OF DISEASES (ICD-11), WORLD HEALTH ORGANIZATION (WHO).

- SELECTED FOR 1 OF 8 "YOUNG RESEARCHER SYMPOSIUM" AWARD OF THE XXV NATIONAL CONGRESS OF THE ITALIAN ASSOCIATION OF SLEEP MEDICINE (AIMS) – CAGLIARI, OCTOBER 2015

- SELECTED FOR 1 OF 6 "YOUNG RESEARCHER SYMPOSIUM" AWARD OF THE XXVII NATIONAL CONGRESS OF THE ITALIAN ASSOCIATION OF SLEEP MEDICINE (AIMS) – BOLZANO, SEPTEMBER 2017

- SELECTED FOR A BURSARY GRANT FOR PARTICIPATING TO THE 5<sup>TH</sup> CONGRESS OF THE EUROPEAN ACADEMY OF NEUROLOGY (EAN) – OLSO (NORWAY), JUNE 29 – JULY 02, 2019

- ABSTRACT TITLED "EFFECT OF REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION ON A PATIENT WITH MAJOR DEPRESSIVE DISORDER: CHANGES OF SERUM NEUROTROPHINS LEVELS" SELECTED FOR THE NONINVASIVE BRAIN STIMULATION (NIBS) PRE-CONFERENCE DAY, 14<sup>TH</sup> WORLD CONGRESS OF THE INTERNATIONAL NEUROMODULATION SOCIETY (INS). SYDNEY (AUSTRALIA), MAY 25-30, 2019

- SELECTED FOR THE "ELIO LUGARESÌ AWARD FOR EDUCATION", PRESENTED BY THE WORLD SLEEP SOCIETY (WSS) AT THE OPENING CEREMONY OF THE WORLD SLEEP CONGRESS 2019 ON SEPTEMBER 22 IN VANCOUVER (CANADA)

- SELECTED CHAIR AT THE "SINDEM4JUNIORS – 8<sup>TH</sup> WINTER SEMINAR ON DEMENTIA AND

- NEURODEGENERATIVE DISORDERS". BRESSANONE (ITALY), JANUARY 22-24, 2020.
- SELECTED FOR A BURSARY GRANT FOR PARTICIPATING TO THE 6<sup>th</sup> CONGRESS OF THE EUROPEAN ACADEMY OF NEUROLOGY (EAN) – PARIS (FRANCE), MAY 23-26, 2020
  - SELECTED FOR PRESENTATION AT THE 2021 MDS VIDEO CHALLENGE, CONGRESS OF THE INTERNATIONAL PARKINSON AND MOVEMENT DISORDER SOCIETY. VIRTUAL, SEPTEMBER 17-22, 2021
  - ARTICLE "MOGAVERO P, MEZZAPESA DM, SAVARESE M, DELROSSO LM, LANZA G, FERRI R. MORPHOLOGICAL ANALYSIS OF THE BRAIN SUBCORTICAL GRAY STRUCTURE IN RESTLESS LEGS SYNDROME. SLEEP MED 2021;88:74-80. DOI: 0.1016/J.SLEEP.2021.10.025. PMID: 34740168" AWARDED BY THE "WAYNE HENING YOUNG INVESTIGATOR AWARD" TO MARIA P. MOGAVERO DURING THE WORLD SLEEP 2022 IN ROME (ITALY) ON MARCH 13, 2022
  - ABSTRACT TITLED "MULTIMODAL EFFECTS OF REPETITIVE TRANSCRANIAL MAGNETIC STIMULATION ON PATIENTS WITH MAJOR DEPRESSION AND VASCULAR DEPRESSION: A PILOT STUDY" SELECTED FOR THE NONINVASIVE BRAIN STIMULATION (NIBS) PRE-CONFERENCE DAY, 15<sup>th</sup> WORLD CONGRESS OF THE INTERNATIONAL NEUROMODULATION SOCIETY (INS). BARCELONA (SPAIN), MAY 21-26, 2022
  - 19/06/2022: SCIENTIFIC CONTRIBUTION "TELL ME WHAT YOU DREAM AND I WILL TELL YOU WHAT YOU WILL BECOME: EARLY NEUROPHYSIOLOGICAL MARKERS OF PARKINSON'S DISEASE IN PATIENTS WITH REM SLEEP BEHAVIORAL DISORDER (RBD)" SELECTED FOR THE "DA VINCI AWARD" (LIFE SCIENCES AREA) DURING THE XII EDITION OF THE "TAOBUK - TAORMINA INTERNATIONAL BOOK FESTIVAL 2022"; TAORMINA (ITALY), JUNE 16-20, 2022
  - SELECTED FOR 1 OF THE 12 ORAL COMMUNICATIONS, ENTITLED "NON-INVASIVE BRAIN STIMULATION TECHNIQUES IN SLEEP DISORDERS: FROM NEUROPHYSIOLOGY TO NEUROMODULATION [P31]" DURING THE 2<sup>ND</sup> MEETING SIRTEPS (ITALIAN SOCIETY OF TRANSLATIONAL RESEARCH AND HEALTHCARE PROFESSIONS), NOVEMBER 3-4, 2022, L'AQUILA (ITALY).
- CERTIFIED CONTINUING MEDICAL EDUCATION (CME) CREDITS ACQUIRED (INCLUDING PUBLICATIONS):
- \* YEAR 2010: 2.0 (PUBLICATIONS ONLY)
  - \* YEAR 2011: 4.0 (PUBLICATIONS ONLY)
  - \* YEAR 2012: 4.0 (PUBLICATIONS ONLY)
  - \* YEAR 2013 (APRIL-DECEMBER): 35.3
  - \* YEAR 2014: 106.6
  - \* YEAR 2015: 65.2
  - \* YEAR 2016: 233.8
  - \* YEAR 2017: 214.9
  - \* YEAR 2018: 272.5
  - \* YEAR 2019: 153.1
  - \* YEAR 2020: 418.1
  - \* YEAR 2021: 316.9
  - \* YEAR 2022: 271.8
  - \* YEAR 2023 (TILL NOW): 11.0

PROFESSIONAL TRAINING FOR PROFESSORS TEACHING AT THE FIRST-YEAR OF DEGREE COURSES, UNIVERSITY OF CATANIA (ITALY)

## SCIENTIFIC ACTIVITY

PARTICIPATION AT SEVERAL NATIONAL AND INTERNATIONAL SCIENTIFIC SURVEYS.

- PUBLONS CERTIFIED "SENTINEL OF SCIENCE" AWARD RECIPIENT (2016), AS ONE OF THE TOP 10% OF RESEARCHERS CONTRIBUTING TO THE PEER REVIEW OF THE FIELD OF MEDICINE
  - PUBLONS CERTIFIED "PEER REVIEW AWARD 2017", AS ONE OF THE TOP 1% OF PEER-REVIEWERS IN MULTIDISCIPLINARY.
  - PUBLONS CERTIFIED "PEER REVIEW AWARDS 2018", FOR PLACING IN THE TOP 1% OF REVIEWERS IN ASSORTED ON PUBLONS' GLOBAL REVIEWER DATABASE, DETERMINED BY THE NUMBER OF PEER REVIEW REPORTS PERFORMED DURING THE 2017-2018 AWARD YEAR.
  - CERTIFIED PUBLONS ACADEMY PEER-REVIEWER (MAY 2019) – GRADUATE OF THE PUBLONS ACADEMY PRACTICAL PEER REVIEW COURSE ENDORSED BY A QUALIFIED MENTOR AFTER COMPLETING PEER-REVIEW COURSE WORK CORRESPONDING TO 10-15 HOURS.
  - TOP PEER REVIEWER 2019, FOR PLACING IN THE TOP 1% OF REVIEWERS IN CROSS-FIELD, NEUROSCIENCE AND BEHAVIOR ON PUBLONS GLOBAL REVIEWER DATABASE, DETERMINED BY THE NUMBER OF PEER REVIEW REPORTS PERFORMED DURING THE 2018-19 AWARD YEAR (WEB OF SCIENCE GROUP, A CLARIVATE ANALYTICS COMPANY).
- FROM JANUARY 1, 2018, OFFICIAL RATER FOR THE "MCMMASTER ONLINE RATING OF EVIDENCE"

(MORE) SYSTEM, OFFERED THROUGH THE HEALTH INFORMATION RESEARCH UNIT OF MCMASTER UNIVERSITY IN HAMILTON (ONTARIO, CANADA).

- MAY 2019: ARTICLE "CORTICAL PLASTICITY IN DEPRESSION" BY CANTONE M, BRAMANTI A, LANZA G, ET AL. MENTIONED AS A "FEATURED ARTICLES" IN THE INTERNATIONAL PEER-REVIEWED JOURNAL "ASN NEURO" (CURRENT IMPACT FACTOR 5.200), OFFICIAL JOURNAL OF THE AMERICAN SOCIETY FOR NEUROCHEMISTRY

- JUNE 2021: ARTICLE "AGE, HEIGHT, AND SEX ON MOTOR EVOKED POTENTIALS: TRANSLATIONAL DATA FROM A LARGE ITALIAN COHORT IN A CLINICAL ENVIRONMENT" SELECTED BY THE CHIEF EDITOR OF THE FRONTIERS IN HUMAN NEUROSCIENCE (CURRENT IMPACT FACTOR 3.473), TO BE FEATURED IN "BRAIN IMAGING AND STIMULATION EDITOR'S PICK 2021" ARTICLE COLLECTION.

- JANUARY 2023: ARTICLE "PHENOLIC ACIDS AND PREVENTION OF COGNITIVE DECLINE: POLYPHENOLS WITH A NEUROPROTECTIVE ROLE IN COGNITIVE DISORDERS AND ALZHEIMER'S DISEASE" SELECTED AMONG THE EDITOR'S CHOICE ARTICLES OF NUTRIENTS (CURRENT IMPACT FACTOR 6.706).

- CO-AUTHOR THE FIRST OPEN DATABASE "RELISH" (RELEVANT LITERATURE SEARCH) CONSORTIUM, AN ARTICLE-BASED PUBMED SEARCH ENGINE (APSE).

- FROM FEBRUARY 2019: FELLOW OF THE ACADEMY OF TRANSLATIONAL MEDICINE PROFESSIONALS (FACADTM – ACADEMY NO: 1530C), EUROPEAN SOCIETY FOR TRANSLATIONAL MEDICINE (EUSTM).

- FROM MARCH 2019: PROFESSIONAL CERTIFICATION IN TRANSLATIONAL MEDICINE (PCTM), PROMOTED BY THE ACADEMY OF TRANSLATIONAL MEDICINE PROFESSIONALS (ATMP) TO SET THE STANDARDS FOR EXCELLENCE IN FIELD OF TRANSLATIONAL MEDICINE AND TO PROMOTE AND MAINTAIN HIGH QUALITY IN BIOMEDICAL RESEARCH.

MEMBER OF THE FOLLOWING RESEARCH CENTERS OF THE UNIVERSITY OF CATANIA:

- FROM MARCH 2019: "RESEARCH CENTER ON MOTOR ACTIVITIES (CRAM)", AS CO-FOUNDER MEMBER;

- FROM SEPTEMBER 2020: "MULTIDISCIPLINARY RESEARCH CENTER FOR THE DIAGNOSIS AND THERAPY OF FABRY'S DISEASE AND FOR ORGAN TRANSPLANTS", AS ORDINARY MEMBER;

- FROM SEPTEMBER 2021: "RESEARCH CENTER ON NUTRACEUTICALS AND HEALTH PRODUCTS (CERNUT)", AS CO-FOUNDER MEMBER;

- FROM JANUARY 2022: "RESEARCH CENTER IN HUMAN NUTRITION AND MEDITERRANEAN FOODS (NUTREA)", AS CO-FOUNDER MEMBER.

- FROM JUNE 2019: MEMBER OF THE EUROPEAN ACADEMY OF NEUROLOGY (EAN) SCIENTIFIC PANEL (SP) "NEUROSCIENCE/TRANSLATIONAL NEUROLOGY" AND, FROM DECEMBER 2021, ELECTED MEMBER OF THE MANAGEMENT GROUP OF THE EAN SP "NEUROSCIENCE/TRANSLATIONAL NEUROLOGY" (FROM DECEMBER 2022, CHANGED IN "COORDINATING PANEL ON NEUROSCIENCE/TRANSLATIONAL NEUROLOGY").

- FROM SEPTEMBER 2019: MEMBER OF THE "INS RESEARCH AND SCIENTIFIC OVERSIGHT COMMITTEE", INTERNATIONAL NEUROMODULATION SOCIETY (INS)

- FROM JUNE 2020: MEMBER OF THE "ELSEVIER HEALTH PANEL", A COMMUNITY PANEL OPEN TO ALL HEALTHCARE PROFESSIONALS AND STUDENTS.

- FROM MARCH 2020: MEMBER OF THE BRAIN STIMULATION SPECIAL INTEREST GROUP (BS-SIG) ON OF THE INTERNATIONAL FEDERATION OF CLINICAL NEUROPHYSIOLOGY (IFCN).

- FROM FEBRUARY 16, 2021: CHIEF OF THE RESEARCH UNIT "CLINICAL NEUROPHYSIOLOGY", DEPARTMENT OF NEUROLOGY IC, OASI RESEARCH INSTITUTE-IRCCS, TROINA (ITALY), IN COOPERATION WITH THE UNIVERSITY OF CATANIA.

- FROM JULY 2021: INVITED EXPERT OF THE FOLLOWING SECTIONS OF THE INTERNATIONAL SOCIETY OF GLOBAL HEALTH (ISOGH - MEMBERSHIP NUMBER: 00960): GLOBAL MENTAL HEALTH; COVID-19 PANDEMIC AND PANDEMIC PREPAREDNESS; HEALTH PROBLEMS OF AGING POPULATIONS.

CO-EDITOR OF THE FOLLOWING PEER-REVIEWED, PUBMED AND SCOPUS INDEXED, JOURNAL: THE OPEN NEUROIMAGING JOURNAL



ASSOCIATE EDITOR OF THE PEER-REVIEWED INTERNATIONAL JOURNAL FRONTIERS IN HUMAN NEUROSCIENCE

SECTION EDITOR OF THE PEER-REVIEWED INTERNATIONAL JOURNAL CURRENT MEDICINAL CHEMISTRY

GUEST EDITOR OF THE FOLLOWING PEER-REVIEWED INTERNATIONAL JOURNALS:

- \* FRONTIERS IN NEUROLOGY, SECTION NEUROREHABILITATION (TWO EDITIONS)
- \* FRONTIERS IN HUMAN NEUROSCIENCE, SECTION BRAIN HEALTH AND CLINICAL NEUROSCIENCE
- \* JOURNAL OF CLINICAL MEDICINE, "SLEEP DISORDERS: FROM CLINICAL RESEARCH TO DAILY PRACTICE"
- \* INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH, "AGE-RELATED COGNITIVE DECLINE AND NEURODEGENERATIVE DISORDERS"
- \* LIFE, "STATE-OF-THE-ART IN NON-INVASIVE BRAIN STIMULATION"

- EDITORIAL BOARD MEMBER OF THE FOLLOWING PEER-REVIEWED INTERNATIONAL JOURNALS, PUBMED, SCOPUS AND/OR WEB OF SCIENCE INDEXED:

- \* AIMS BIOENGINEERING
- \* AIMS NEUROSCIENCE
- \* ANNALS OF TRANSLATIONAL MEDICINE
- \* BMC NEUROLOGY
- \* BRAIN SCIENCES
- \* CLINICAL PRACTICE (THERAPY)
- \* CURRENT ALZHEIMER RESEARCH
- \* CURRENT DRUG RESEARCH REVIEWS
- \* CURRENT PSYCHIATRY RESEARCH AND REVIEWS
- \* FRONTIERS IN NEUROLOGY
- \* FRONTIERS IN NEUROSCIENCE
- \* INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH
- \* INTERNATIONAL JOURNAL OF PHARMACEUTICAL RESEARCH AND ALLIED SCIENCES
- \* JOURNAL OF CLINICAL MEDICINE
- \* JOURNAL OF ETHNOPHARMACOLOGY AND MEDICINAL FOODS
- \* JOURNAL OF INTEGRATIVE NEUROSCIENCE
- \* LIFE
- \* PLoS ONE
- \* VESSEL PLUS

INVITED REVIEWER OF >500 SCIENTIFIC MANUSCRIPTS FOR SEVERAL INTERNATIONAL JOURNALS

INVITED GRANT REVIEWER FOR THE "BIOMED ALZHEIMER'S SOCIETY JUNIOR FELLOWSHIP 2018" OF THE "ALZHEIMER'S SOCIETY – UNITED AGAINST DEMENTIA", LONDON (UK).

MEMBER OF "REPRISÉ" (*REGISTER OF EXPERT PEER REVIEWERS FOR ITALIAN SCIENTIFIC EVALUATION*), AN OFFICIAL REGISTER OF INDEPENDENT NATIONAL AND INTERNATIONAL SCIENTIFIC EXPERTS, BASED AT THE ITALIAN MINISTRY OF EDUCATION, UNIVERSITY, AND RESEARCH. THESE EXPERTS CAN BE APPOINTED BY THE MINISTRY FOR ACTIVITIES RELATED TO THE EVALUATION AND/OR FUNDING OF RESEARCH PROJECTS.

FROM MAY 2019: MEMBER OF THE REGIONAL TECHNICAL-SCIENTIFIC COMMITTEE OF THE "POLITRAUMA NETWORK", PROMOTED BY THE SICILIAN DEPARTMENT OF HEALTH.

- FROM SEPTEMBER 2020: ASSOCIATE MEMBER OF THE WORLD ACADEMY OF SCIENCE (WAS), SPANDIDOS PUBLICATIONS

- FROM SEPTEMBER 2020: MEMBER OF THE "MULTIDISCIPLINARY RESEARCH CENTER FOR THE DIAGNOSIS AND THERAPY OF FABRY DISEASE AND FOR ORGAN TRANSPLANTS", UNIVERSITY OF CATANIA

- FROM DECEMBER 2020: COMPONENT OF THE "NEUROPHYSIOLOGY TASK" (TMS SECTION) OF THE IRCCS NETWORK OF NEUROSCIENCE AND NEUROREHABILITATION (RIN)

- CERTIFICATE OF "OUTSTANDING CONTRIBUTION IN REVIEWING", IN RECOGNITION OF THE

CONTRIBUTION MADE TO THE QUALITY OF THE FOLLOWING JOURNALS:

- \* BRAIN RESEARCH (SEPTEMBER 2015; JANUARY 2017)
- \* SLEEP MEDICINE (APRIL 2017; NOVEMBER 2018)
- \* PHYSIOLOGY & BEHAVIOR (JUNE 2017)
- \* INTERNATIONAL JOURNAL OF PSYCHOPHYSIOLOGY (APRIL 2018)

- "COVER EDITOR" OF THE WORLD JOURNAL OF PSYCHIATRY (WORLD J PSYCHIATRY 2020 OCTOBER 19;10(10):223-244); CURRENT IMPACT FACTOR 3.500.

- JANUARY 2021: CERTIFICATE OF EXCELLENCE "CERTIFIED PEER REVIEWER COURSE", ELSEVIER RESEARCHER ACADEMY

- FROM JULY 2021: INVITED MEMBER OF THE ASIAN COUNCIL OF SCIENCE EDITORS (ACSE), THE FIRST AND THE FOREMOST ORGANIZATION IN ASIA, THAT AIMS TO PROVIDE A UNIFIED AND ACTIVE PLATFORM FOR ASIAN EDITORS AND SCHOLARS.

- FROM SEPTEMBER 2021: INVITED MEMBER OF THE MDS POST STROKE MOVEMENT DISORDER STUDY GROUP, INTERNATIONAL PARKINSON AND MOVEMENT DISORDER SOCIETY (MDS).

- FROM JANUARY 2021: INVITED MEMBER OF THE "NEUROSTIMULATION AND DIAGNOSTIC-THERAPEUTIC NEUROMODULATION STUDY GROUP" OF THE ITALIAN SOCIETY OF CLINICAL NEUROPHYSIOLOGY (SINC).

- DECEMBER 2021: EXPERT IN COGNITIVE DYSFUNCTION, ACCORDING TO THE EXPERTSCAPE'S PUBMED-BASED ALGORITHMS THAT PLACED PROF. LANZA IN THE TOP 0.4% OF SCHOLARS WORLDWIDE WRITING ABOUT COGNITIVE DYSFUNCTION OVER THE PAST 10 YEARS, A LEVEL LABELED AS "EXPERT" (1°-PLACE SCHOLAR AT UNIVERSITY OF CATANIA, 2-PLACE° SCHOLAR AT THE OASI RESEARCH INSTITUTE-IRCCS OF TROINA, AND 38°-PLACE SCHOLAR IN ITALY).

- FROM JANUARY 2022: NOMINATED FULL MEMBER OF THE "SIGMA XI, THE SCIENTIFIC RESEARCH HONOR SOCIETY", THE INTERNATIONAL HONOR SOCIETY OF SCIENCE AND ENGINEERING AND ONE OF THE OLDEST AND LARGEST SCIENTIFIC ORGANIZATIONS IN THE WORLD.

- OCTOBER 18-29, 2022: CONTACT PERSON OF THE INTERNATIONAL INTERNSHIP FOR THE PROJECT "CZ.02.1.01/0.0/0.0/16\_019/0000867 – RESEARCH CENTRE OF ADVANCED MECHATRONIC SYSTEMS" AT THE OASI RESEARCH INSTITUTE-IRCCS OF TROINA BY PROFESSORS RADEK MARTINEK AND MICHAL PRAUZEK, FROM THE DEPARTMENT OF CYBERNETICS AND BIOMEDICAL ENGINEERING, TECHNICAL UNIVERSITY OF OSTRAVA (CZECH REPUBLIC).

## **BIBLIOMETRIC INDEXES**

- AUTHOR OF 201 SCIENTIFIC PUBLICATIONS (INCLUDING CONGRESS ABSTRACTS AND POSTERS)

ORCID: 0000-0002-5659-662X

SCOPUS ID: 7102249540

RESEARCHER ID: R-3065-2017

TOTAL ARTICLES INDEXED IN SCOPUS AND/OR WEB OF SCIENCE: 112

H-INDEX (SCOPUS): 33

TOTAL NUMBER OF CITATIONS (SCOPUS): 2,322

TOTAL IMPACT FACTOR PEER-REVIEW PUBLICATIONS (JOURNAL CITATION REPORTS): 515.306

*PERSONAL CONSENT PROVIDED ACCORDING WITH THE REGULATION (EU) 2016/679 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 27 APRIL 2016 ON THE PROTECTION OF NATURAL PERSONS WITH REGARD TO THE PROCESSING OF PERSONAL DATA AND ON THE FREE MOVEMENT OF SUCH DATA, AND REPEALING DIRECTIVE 95/46/EC (GENERAL DATA PROTECTION REGULATION) (OJ L 119, 4.5.2016, P. 1).*

**CATANIA, JANUARY 28, 2023**

**PROFESSOR GIUSEPPE LANZA**