

CURRICULUM VITAE

PERSONAL INFORMATION

Name Stefania Mondello
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smondello@unime.it

Nationality Italian
Date of birth 18/01/1979

EXPERTISE

- Principal areas of expertise Physician Scientist currently coordinating multidisciplinary laboratories and transitional neuroscience research projects as principal investigator and co-investigator. Research responsibilities include
 - Management and analyses of clinical data from multi-center international studies assessing the utility of biomarkers for diagnosis and management of acute brain injury including traumatic brain injury (TBI) and stroke.
 - Translational research to study brain damage biomarkers in various biofluids (including microdialysate, cerebrospinal fluid [CSF]) and blood from animals (rats) to human.

Internal Medicine Trained with special qualification (PhD) in Critical Care Medicine (University of Messina, Italy) and Biostatistics (MPH, University of Florida, FL, USA)

WORK EXPERIENCE

- Dates (from – to) 2021- Present
- Name and address of employer University of Messina, Department of Biomedical and Dental Sciences and Morphofunctional Imaging, Messina, Italy
Health
Full Professor
Research focus
Management and analyses of clinical data from clinical and experimental studies assessing the utility of biomarkers for diagnosis and management of acute brain injury including traumatic brain injury (TBI) and stroke
Translational research to study brain damage biomarkers in various biofluids (including microdialysate, cerebrospinal fluid [CSF] and blood) from animals (rats) to human.
Development of a system analysis approach to continuous physiological monitoring data. Analysis of relationships between secondary insults as indicated by continuous physiological monitoring data and brain biomarkers levels in blood and CSF from brain injured patients
Development of a system analysis approach and statistical methods to assess the
- Type of business or sector
- Occupation or position held
- Main activities and responsibilities

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relationships between clinical events and data and biomarker levels measured in blood and CSF from clinical subjects

Responsibilities

Clinical Duties in the Division of Critical Care Medicine and Neuro-Intensive Care Unit (NICU)

Writing, editing, and reviewing peer reviewed scientific articles

Writing, editing, and reviewing grants applications

2019- 2021

University of Messina, Department of Biomedical and Dental Sciences and Morphofunctional Imaging, Messina, Italy

Health

Associate Professor

2013- 2019

University of Messina, Department of Biomedical and Dental Sciences and Morphofunctional Imaging, Messina, Italy

Health

Researcher –Assistant Professor

2018- 2019

Oasi Research Institute - IRCCS – TROINA, Italy

Health

Director of Biomarker Research and Development

2016- 2019

I.R.C.C.S. Associazione Oasi Maria SS. ONLUS – TROINA, Italy

Health

Researcher

2013-2019

University of Florida, Department of Anesthesiology, Division of Anesthesia Critical Care Medicine, Gainesville, Florida, USA

Health

Courtesy Appointment

2009- 2012

Banyan Biomarkers, Inc., Alachua, Florida, USA

Biotechnology Company

Director of Clinical Research

Research focus

Clinical validation of neurobiomarkers in traumatic brain injury, stroke and other neuropathologies

Cerebral Microdialysis in vitro and in vivo research platforms

Continuous physiological monitoring in traumatic brain injury

Responsibilities

Writing, editing, and reviewing grants applications

Writing, editing, and reviewing peer reviewed scientific articles

Managing and analyzing clinical data from multi-center international sites, including biostatistical data elaboration under SAS environment able to generate analysis data sets, tables, listings, and figures for individual studies.

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

Building and managing laboratory and clinical databases
Supervising co-investigators and technical staff

2008- 2012

University of Florida, Department of Anesthesiology, Division of Anesthesia Critical Care Medicine, Gainesville, Florida, USA

Health

Research Fellow

Research focus

Development of a system analysis approach to continuous physiological monitoring data

Analysis of relationships between secondary insults as indicated by continuous physiological monitoring data and brain biomarkers levels in blood and CSF from clinical subjects

Responsibilities

Writing, editing, and reviewing peer reviewed scientific articles

Clinical Observer in the Division of Critical Care Medicine and Neuro-Intensive Care Unit (NICU)

Providing statistical programming support to generate analysis data sets, tables, listings, and figures for individual studies

EDUCATION AND TRAINING

- Dates (from – to)
- Name and type of organization providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

2021 – 2022

Harvard Medical School, Boston, Massachusetts, United States

CERTIFICATE PROGRAM | Postgraduate Medical Education - Global Clinical Scholars Research Training (GCSRT) Program

Graduated, Capstone with Commendation

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

2009 – 2012

University of Messina, Messina, Italy and University of Florida, Gainesville, USA

Intensive Care - New Technologies for Continuous Physiological Monitoring in ICU
Thesis Title: ' Neuronal and Glial Markers are Differently Associated with Computed Tomography Findings and Outcome in Patients with Severe Neurotrauma: Insight into the Pathophysiology of Traumatic Brain Injury'

European PhD

ISCED 6

- Dates (from – to)
- Name and type of organization providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

2009-2011

Public Health and Health Professions, Biostatistics, University of Florida, Gainesville, USA

- Epidemiology, Regression Methods, Applied Multivariate Methods

- SAS for Public Health Analysis, Biostatistical Computing Using R

Thesis Title: ' Risk Adjusted Methodology for Predicting Complications Rate at Level I Trauma Center'

MPH, Master of Public Health in Biostatistics

- Dates (from – to)
- Name and type of organization providing education and training

2003-2008

University of Messina, Messina, Italy

- Principal subjects/occupational skills covered
- Title of qualification awarded
- Dates (from – to)
- Name and type of organization providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

Internal Medicine and Emergency Medicine
Thesis Title: 'New Biomarkers in Traumatic Brain Injury: a Translational Study'
Specialist

2007 – 2008
The Theological Institute "San Tommaso", The Pontifical Salesian University, Messina, Italy,
Thesis Title: 'Ethical Issues in Intensive Care Unit'
MBS, Master of Bioethics and Sexology

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

1997 – 2003
University of Messina, School of Medicine, Messina, Italy
Thesis Title: ' Biotherapy in Oncohematology: Thalidomide in the Management of Multiple Myeloma'
MD, Medical Doctor Degree
ISCED 5

- Dates (from – to)
- Name and type of organization providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

1993 – 1997
Classical Gymnasium "F. Maurolico", Messina, Italy
Classical Studies
BA

LANGUAGES

MOTHER TONGUE
OTHER LANGUAGES

Italian
English

- Reading skills
- Writing skills
 - Verbal skills

C1 - Advanced English
C1 - Advanced English
C1 - Advanced English

ADDITIONAL INFORMATION

COMPUTER SKILLS

Statistical Software: Extensive experience using SAS, STATA, SIMCA and R, expert in SPSS

Operating Systems: Extensive experience using Windows and Apple Macintosh computers

Office Software: Extensive knowledge of Microsoft Office (Word, PowerPoint, Excel, Access), Proficient in Adobe Photoshop, Acrobat and Dreamweaver

Bibliographic Management: Proficiency in EndNote and RefWorks

ADDITIONAL INFORMATION

ACADEMIC HONORS, AWARDS AND SPECIAL RECOGNITIONS

2001 International Clerkship Project Scholarship, University of Messina Medical School Messina, Italy

- 2003 National Clerkship Project Scholarship, University of Messina Medical School Messina, Italy
- 2007 Scholarship of the SIMI "Emergency in Internal Medicine" Rome, Italy
- 2009 Travel Grant Neurotrauma 2009. The Second Joint Symposium of the National and International Neurotrauma Societies, 2009 Santa Barbara, CA
- 2010 Recipient of the Premio Award 2010 - "Honoring Italian Women Scientists and Entrepreneurs in America"
- 2010 Career Interview, Nature |Vol. 466|19 August 2010 (<https://www.nature.com/articles/nj7309-1009b>)
- 2010 Special Invitation, Italian Health Research Conference – Cernobbio (CO), Italy
- 2010 FESTIVAL DEI GIOVANI TALENTI (Young Italian Talent Fair) – Rome, Italy
- 2011 NEUROLOGY Specialty Award, SCCM Congress, 2011, San Diego, CA, USA
- 2011 Invited Referee of Italian National Research Grant
- 2011 Elected President of Bridges to Italy (Florida chapter)
- 2011 President of the Italian Scientists and Scholars in North America Foundation (ISSNAF) (Florida Chapter)
- 2011 Coordinator of Young ISSNAF – Young Investigators Network
- 2011 AANS Annual Meeting TRAUMA AND CRITICAL CARE SECTION, 2011 Denver, CO, USA. Best Poster
- 2011 Grant reviewer Italian Ministry of Health, Study Section, May 2011, Rome, Italy Invited as one of ten "Highly Qualified Young Investigator" to conducted grant review for the Italian Ministry of Health, Study Section, May 2011, Rome, Italy
- 2011 Selected to be included as one of 1000 Curricula Eccellenti, database funded by Marisa Bellisario Foundation collecting CV of Highly Qualified Italian Women
- 2011 Special Recognition Award EUWIIN, 27 May 2011, Reykjavik, Iceland
- 2011 Travel Grant. 14th Congress of the European Shock Society, Giardini Naxos (ME), August 31st – September 2nd, 2011, Italy
- 2011 NEW INVESTIGATOR AWARDS SESSION. 14th Congress of the European Shock Society, Giardini Naxos (ME), August 31st – September 2nd, 2011, Italy
- 2011 NCS Meeting Travel Grant Award- 9th Annual Meeting, Neurocritical Care Society, September 21-24, 2011, Montréal, QC, Canada
- 2011 Member of Bridges to Italy's Advisory Board
- 2011 Research highlighted as 'Highly Accessed' paper on Critical Care
- 2011 Selected for "Young Brains", Annual of 150 "Best Italian Young Investigators" who received awards for their research, supported by Consiglio Nazionale delle Ricerche (CNR) and Conferenza dei Rettori delle Università Italiane (CRUI)
- 2012 Ad Hoc Editor: Biomarkers for Traumatic Brain Injury, ISBN 1849733899
- 2012 Mention Doctor Europaeus
- 2012 Independent Expert-Evaluator - "7TH FRAMEWORK PROGRAMME FOR RESEARCH– HEALTH – AREA "BRAIN AND RELATED DISEASES"
- 2013 Independent Expert-Evaluator - "7TH FRAMEWORK PROGRAMME FOR RESEARCH– HEALTH – AREA "BRAIN AND RELATED DISEASES"

- 2013 Articles featured in Toxicological Sciences (doi: 10.1093/toxsci/kfs224) on PGP 9.5 antibodies webpage and on the journal cover
- 2013 Highlighted paper in the section "In Focus" of Neurology
- 2013 Abstract presented at the Blue Ribbon Highlights Session by Matthew B. Stern
- 2013 Article featured on www.MDLinx.com
- 2014 INTS2014 Travel Grant. The 11th Symposium of the International Neurotrauma Society. Budapest, Hungary. 19- 23 March, 2014.
- 2014 Young Investigator (YI) competition. the 2014 Military Health System Research Symposium (MHSRS), 18-21 Aug 2014, USA
- 2014 Independent Contractor Agreement on the DoD project titled "A military-relevant model of closed concussive head injury: longitudinal studies characterizing and validating single and repetitive mTBI"
- 2015 Invited Member of the first TBI Endpoints (TED) Consensus Conference, NIH Campus, 2-3 February, 2015
- 2016 Scholarship Erasmus Programme+
- 2016 Invited speaker at the States General of Health, Ministry of Health, Rome 28 April, Italy
- 2016 Certified Sentinel of Science Award Recipient. Recognized as one of the top 10 per cent of researchers contributing to the peer review of the field of Medicine.
- 2016 Member, Moody TBI Symposium
- 2017 Recipient of Research and Mobility
- 2017 Member of "Accademia dei Pericolanti"
- 2017 Biostatistical Manager for the I.R.C.C.S. Associazione Oasi Maria SS. ONLUS – TROINA
- 2017 Member, SISMEC WORKING GROUP NEBICE
- 2017 Member of Graduate Faculty PhD Program, "Applied Biology and Experimental Medicine"
- 2017 Invited to serve as Vice Chair for the FET OPEN RIA proposals (HORIZON 2020 FET OPEN) by the Research Executive Agency (REA) part of the EUROPEAN COMMISSION
- 2018 Invited by the Research Executive Agency (REA) part of the EUROPEAN COMMISSION to serve as Vice Chair for the FETOPEN-01-2018-2019-2020: FET-Open Challenging Current Thinking, part of the Future and Emerging Technologies (FET) programme (HORIZON 2020)
- 2018 Elected co-Chair of the InTBIR Biomarker Work Group (<https://intbir.nih.gov/node/39>)
- 2018 Invited opening lecture at the 23rd Annual EMN Congress (Euroacademia Multidisciplinaria Neurotraumatologica)
- 2018 Member of "Global Young Academy (GYA)"
- 2018 Wayne Hening Young Investigator Award
- 2018 Highlighted paper in the section "In Focus" of Neurology
- 2018 Selected to attend the Young Physician Leaders (YPL) programme organized by the InterAcademy Partnership (IAP) for Health
- 2018 Member, Moody TBI Symposium
- 2019 Member of "Euroacademia Multidisciplinaria Neurotraumatologica (EMN)"

- 2019 Recognized as “World Expert in Brain Injuries” by Expertscape (in the top 0.1% of scholars writing about Brain Injuries over the past 10 years - <http://www.expertscape.com/ex/brain+injuries>)
- 2020 Selected Member of the Beta Upsilon Chapter of the Delta Omega, the Honorary Society of Public Health
- 2020 Invited Member of the European Science Foundation (ESF) College of Expert Reviewers
- 2020 Invited Member and GYA Rapporteur of the ALLEA-GYA-STM expert roundtables on peer review
- 2020 Clinical and Scientific Advisory Board Member of ZelosDx
- 2021 Selected to attend the Foundations of Clinical Research (FCR) program (CERTIFICATE PROGRAM) at Harvard Medical School
- 2021 Selected to attend the Global Clinical Scholars Research Training (GCSRT) program (CERTIFICATE PROGRAM) at Harvard Medical School
- 2021 Member of the International Neurotrauma Society (INTS) Scientific Advisory Board
- 2021 Selected member of the FWO Review College (panels 2022 – 2024)
- 2021 Selected member of the Med5 Project panel on Neuroscience, Clinical Neurology, Psychiatry, Musculoskeletal Research, Rheumatology, Orthopedics and Dermatolog (panels 2022 – 2024)
- 2022 Selected member of the GENDERACTIONplus consultation project on tackling gender-based violence in academia
- 2022 Associate Member (AM) of the Harvard Alumni Association (HAA)
- 2023 Member of the European Neurotrauma Organization (ENO) Board of Directors
- 2022 Treasurer of European Neurotrauma Organization (ENO)
- 2023 Critical Path for Duchenne Regulatory Science's Consortium (D-RSC) - Advisory Member
- 2023 Invited member of NIH-sponsored post-traumatic epilepsy (PTE) Common Data Elements (CDEs) Working Group
- 2023 Member of the Italian Society of Medical Statistics and Clinical Epidemiology (SISMEC) Board of Directors
- 2023 Invited member of NIH-sponsored Blood-based Biomarkers- Acute, Subacute, and Chronic Working Group Working Group
- 2023 Invited Member and GYA Rapporteur of the ALLEA-GYA-STM expert roundtables on peer review
- 2023 Co-Chair of the InTBIR Data Science and Harmonisation Work Group (<https://intbir.incf.org/working-groups>)
- 2023 Invited as an independent expert evaluator from the Virginia Commonwealth University School of Medicine to support the promotion to Professor (with tenure).
- 2023 Cochrane Staff Member
- 2023 Vice-Chair of the steering group of United2Act Summit (<https://united2act.org/>)
- 2023 Signatory of the consensus statement to tackle papermills (<https://www.nature.com/articles/d41586-024-00159-9>) (<https://united2act.org/signatories/>)

INVITED PRESENTATIONS (TOTAL 63)

- 2010 Advanced Technology Applications for Combat Casualty Care (ATACCC)
TBI Biomarkers: Diagnosis in the Hands of the Warfighter
St Pete Beach, FL (Aug)
- 2010 Meeting & Award ITWIIN
Biomarkers of brain injury: the potential utility for diagnosis, prognosis and management of TBI patients
Bari, Italy (Jun)
- 2010 Opening Ceremony Bridges to Italy – Italia
The secrets of success of tech startups in USA
Rende (CZ), Italy (Jul)
- 2010 Invited Consulting
DoD, Department of Applied Neurobiology, Division of Psychiatry
and Neuroscience, Walter Reed Army Institute of Research
Silver Spring, MD, USA (Nov)
- 2011 40th Critical Care Congress
Microtubule-Associated Protein-2: A New Sensitive and Specific Marker for Traumatic Brain Injury
San Diego, CA (Jan)
- 2011 Department of Anatomy, School of Medicine, Neuroscience Seminar
Different Biomarker Profiles Reveal Potentially Distinct Pathological Mechanisms Contributing To Severe Traumatic Brain Injury
Virginia Commonwealth University, Richmond, VA (Apr)
- 2011 10th International Neurotrauma Symposium
Role of serum biomarkers in individuals in coma or vegetative state after traumatic brain injury
Shanghai, China (29th, Apr)
- 2011 10th International Neurotrauma Symposium
Clinical studies of the utility of serum biomarkers for diagnosis prognosis and management of TBI
Shanghai, China (30th, Apr) ,
- 2011 6th International Conference on Biochemical Markers for Brain Damage
Chronic sustained elevations of MAP-2 in serum of patients after Traumatic Brain Injury
Lund, Sweden (May)
- 2011 NINDS Workshop on Therapy Development for Diffuse Axonal Injury
What new approaches and tools are available for therapy development for DAI? Biomarkers
Hilton Rockville Hotel, Rockville, MD, (May)
- 2011 The Miami Project to Cure Paralysis, University of Miami Miller School of Medicine, Dr. Dalton Dietrich's Lab meeting

- Brain Biomarkers in Microdialysate: Rat Model of Traumatic Brain Injury, with Secondary Hypoxemic Insult*
Lois Pope Life Center, Miami, FL, (Jun)
- 2011 XIV Congress of the European Shock Society
Neuronal and Glial Markers in Microdialysate after Traumatic and Hypoxemic Brain Injury in Rats
Taormina, Giardini Naxos, Italy (Sep)
- 2011 American Heart Association. Scientific Sessions 2011
Glial Fibrillary Acidic Protein, a Sensitive and Specific Marker in Serum for the Identification of Intracerebral Hemorrhage in Acute Stroke Patients: Results of Improved Assay Performance
Orange County Convention Center, Orlando, FL (Nov)
- 2011 2nd Annual TBI Workshop
Serum biomarkers and neuroimaging: complimentary approaches to diagnosing traumatic brain injury
Wayne State University, Detroit, MI (Nov)
- 2012 International Conference on Computational Biomedicine
Clinical Studies of the Utility of Multimodal monitoring and Brain Biomarkers in Neurotrauma Patients
University of Florida, Gainesville, FL (Feb)
- 2013 6th Pannonian Symposium on Central Nervous System Injury
Biomarkers in mild TBI
University of Pecs, Pecs, HU (Apr)
- 2013 6th MHSRS - The 2013 meeting of the Medical Health Service Research Symposium
Characterization of TBI Models and Evaluation of Efficacy of Nicotinamide, Erythropoietin, and Cyclosporine-A using Serum Biomarkers: Results from Operation Brain Trauma Therapy
Fort Lauderdale, Florida, USA (Aug)
- 2013 12th European Congress of Internal Medicine
Novel Sensitive Assay Improves Diagnostic Accuracy of Serum GFAP for the Identification of Intracerebral Hemorrhage in Acute Stroke Patients
Prague, Czech Republic (Oct)
- 2013 ESICM LIVES 2013, 26th Annual Congress
CSF and Plasma Amyloid- β Temporal Profiles and Relationships with Neurological Status and Mortality after Severe Traumatic Brain Injury: Results of a Pilot Study
Paris, France (Oct)
- 2013 Master I Level, Management dell'Emergenza e delle Maxiemergenze
Novel Brain Injury Biomarkers of Traumatic Brain Injury
Messina, Italy (Nov)
- 2014 INTS 2014 - The 11th Symposium of the International Neurotrauma Society
Characterization of TBI Models and Evaluation of Efficacy of Nicotinamide,

- Erythropoietin, and Cyclosporine-A using Serum Biomarkers: Results from Operation Brain Trauma Therapy*
Budapest, Hungary (Mar)
- 2014 The 4th Annual Traumatic Brain Injury Conference
Emerging Role of Blood Biomarkers in TBI Clinical Trials: Initial Findings from the Phase II INTREPID2566 Trial
Washington, DC USA (Apr)
- 2014 3rd International Workshop on Synaptic Plasticity: from bench to bedside
Sirtuin Expression in Human Gliomas
Milazzo, Italy (June)
- 2014 The 2014 Military Health System Research Symposium (MHSRS)
Emerging Role of Blood Biomarkers in TBI Clinical Trials: Initial Findings from the Phase II INTREPID2566 Trial
Fort Lauderdale, Florida, USA (Aug)
- 2014 Webinar – Cambridge Healthtech Institute.
Correlation of Brain Biomarker Measurements in Plasma and CSF using a Novel Single-Molecule Immunoassay Technology to Study Neurodegenerative Disease
(Dec)
- 2015 Symposium – The Sapienza University of Rome
Biomarkers of Brain Injury for Diagnosis, Management and Prognosis of TBI Patients
Rome, Italy (Jun)
- 2015 33rd Annual Symposium of the National Neurotrauma Society
OPERATION BRAIN TRAUMA THERAPY: THE THRILL OF VICTORY AND THE AGONY OF DEFEAT
Santa Fe, New Mexico, USA (Jun)
- 2015 The 2015 Military Health System Research Symposium (MHSRS)
Biomarker profiles support a neuroprotective effect of Levetiracetam in TBI: findings from Operation Brain Trauma Therapy
Fort Lauderdale, Florida, USA (Aug)
- 2015 BMBD Biochemical Markers for Brain Damage
Amyloid- β in CSF and plasma of patients with severe TBI: a pilot study
Lund, Sweden (Sep)
- 2016 INTS 2016 - The 12th Symposium of the International Neurotrauma Society
The Potential Utility of Brain Injury Biomarker In Pre-clinical Drug Screening By Operation Brain Trauma Therapy
Cape Town, South Africa (Feb)
- 2016 INTS 2016 - The 12th Symposium of the International Neurotrauma Society
Circulating Brain Damage Markers for The Diagnosis and Outcome Prediction of Traumatic Brain Injuries

	Cape Town, South Africa (Feb)
2016	States General of Health, Ministry of Health <i>Novel Biomarkers for Improved Characterization, Disease Tracking and Outcome Prediction in Traumatic Brain Injury</i> Rome, Italy (Apr)
2016	Symposium on Traumatic Brain Injury – Celebrating Professor Ronald L. Hayes <i>Biomarkers of brain injury – what did we learn from Gainesville?</i> Pecs, Hungary (Nov)
2017	The Traumatic Brain Injury Conference <i>Circulating Brain Damage Markers for the Diagnosis of Traumatic Brain Injury: the questions you never dared to ask</i> Washington, DC USA (May)
2017	35th Annual National Neurotrauma Symposium (Neurotrauma 2017) <i>Circulating GFAP Levels to Monitor Therapeutic Response to Glibenclamide in a Rat Model of Cortical Contusion Injury: Findings from Operation Brain Trauma Therapy</i> Snowbird, UT, USA (Jul)
2017	7th Pannonian Symposium on CNS injury <i>Harmonisation and systematic approach to the sophisticated use of biomarkers in the field of Traumatic Brain Injury</i> Pécs, Hungary (Aug)
2017	EANS2017 <i>Clinical studies of the utility of blood-based protein biomarker as diagnostic signatures for traumatic brain injury</i> Venice, Italy (Oct)
2017	First Regional Symposium in Neuroethics <i>Balance between Professional Life and Persona Conviction</i> Cairo, Egypt (Nov)
2018	23 rd Annual Euroacademia Multidisciplinaria Neurotraumatologica (EMN) Congress <i>Opening Lecture "Translational research projects in traumatic brain injury"</i> Pees, Hungary (May)
2018	International RLS Study Group Annual Meeting 2018 <i>Identification of Novel Candidate Biomarkers for RLS by Proteomic Analysis</i> Baltimore, MD (June)
2018	IBRO-ARC – Translational Neuroscience School <i>Neuroscience on Metabolism in Mind: African Insights into the Gut-Brain Axis Translating Experimental Research into Successful Clinical Trials & Practice - Lessons Learned from the Operation Brain Trauma Therapy</i> Cairo, Egypt (June)
2018	IBRO-ARC – Translational Neuroscience School

- Neuroscience on Metabolism in Mind: African Insights into the Gut-Brain Axis
Novel Biomarkers for neurological disorders
Cairo, Egypt (June)
- 2018 Moody Project Seminar Series
Overcoming Translational Barriers in in Traumatic Brain Injury. Can Dreams Come True?
Galveston, Texas (Jul)
- 2018 41th Annual meeting of the Japan Neuroscience Society (JNS)
Blood based analysis of biomarkers for TBI: beliefs and evidence to support changes in clinical practice
Kobe, Japan (Jul)
- 2018 International Neurotrauma Society (INTS) - NeuroTrauma 2018
Moving from Estimates to Clinical Impact: a Systematic Analysis of the Use of Blood-based Biomarkers in the Field of Traumatic Brain Injury
Toronto, Canada (Aug)
- 2018 SYMPOSIUM OF THE "INTERNATIONAL REM SLEEP BEHAVIOR STUDY GROUP (IRBD SG)"
Blood-Based Proteomics and Metabolomics in RBD
Munich, Germany (Sep)
- 2018 XLIX Annual Meeting of the Italian Society of Neurology (SIN)
Blood-Based Proteomics and Metabolomics in RBD
Rome, Italy (Oct)
- 2018 Neuroscience School and Conference of the International Brain Research Organization Middle East and North Africa (IBRO-MENA) - A PUBLIC HEALTH IMPERATIVE FOR MENA: NEUROSCIENCE & NEUROLOGICAL DISORDERS RESEARCH AND PRACTICE
Translating Experimental TBI Research into Successful Clinical Trials & Practice – Lessons Learned from the Operation Brain Trauma Therapy
Cairo, Egypt (Nov)
- 2019 24th EUROACADEMIA MULTIDISCIPLINARIA NEUROTRAUMATOLOGICA (EMN) Annual Congress
Keynote lecture: Biomarkers of TBI – Current Knowledge. State of the Art –
Warsaw, Poland (May)
- 2019 First International Symposium on Traumatic Brain Injury at LMU
Fluid Biomarkers of mild TBI: an Invaluable Tool for Clinical Diagnosis. Has the Time Arrived?
Munich, Germany (Jul)
- 2019 IBRO-MENA Annual Advanced Research School and Conference
Clinical Biomarkers of TBI
Beiruth, Lebanon (Oct)
- 2019 International Initiative for Traumatic Brain Injury Research (InTBIR)- InTBIR Phase 2: Building on Collaborations
Developing new collaborations – Panel discussions / Biomarkers I & II:

- Synergizing Neuroimaging and Biofluid Biomarkers discussion - *Standardizing blood biomarker measurements for use in TBI to identify clinical cutoffs & cross-study comparisons (Discussant)*
Washington, DC USA (Oct)
- 2019 IBRO-MENA Annual Advanced Research School and Conference
Emerging Biomarkers in TBI: From Pathophysiological Pathways to Clinical Application
Beiruth, Lebanon (Dec)
- 2020 The Virtual 16th World Congress on Public Health
Mapping urban segregation and health disparities: a case study of two slums in Messina (Sicily)
Virtual meeting (Oct)
- 2021 International Neurotrauma Society Symposium in 2020
Circulating Extracellular Vesicles in Traumatic Brain Injury: Temporal Profile, Outcome Prediction and Therapy Implications
Melbourne, Australia (Feb)
- 2021 VI Brazilian Congress of Neurological Intensive Care Medicine
Biomarkers of Brain Injury - Has the Time Arrived for Clinical Implementation?
Virtual meeting (Jun)
- 2021 University of Birmingham Global Neuro Webinar
From Bench to Bedside: a Systematic Analysis of the Clinical Utility of Blood-based Protein Biomarker as Diagnostic Tool for Traumatic Brain Injury
Virtual meeting (Sept)
- 2021 IBRO-APRC School (Virtual) - Neuromics: The Yin-Yang Aspect in Translational Neuroscience
TBI and PD: What is The Interplay?
Virtual meeting (Sept)
- 2021 EANS Webinars – The EANS trauma Section
Reliability and Clinical Relevance of Biomarker Studies in Traumatic Brain Injury - A Critical Appraisal
Virtual meeting (Oct)
- 2021 Israeli Resident University of Birmingham Global Neuro Webinar
From Bench to Bedside: a Systematic Analysis of the Clinical Utility of Blood-based Protein Biomarker as Diagnostic Tool for Traumatic Brain Injury
Virtual meeting (Nov)
- 2022 33° SMART MEETING - Smart Meeting Anesthesia Resuscitation inTensive care
Biomarkers of Injury: Bedside Utility
Milan (May)
- 2022 International Neurotrauma Society (INTS) - NeuroTrauma 2022
Critical assessment of biomarker-related scientific information
Berlin, Germany (Jul)

- 2022 International Symposium on Intracranial Pressure and Brain Monitoring (ICP)
Clinical and laboratory neuroscience: victories of bench-to-bedside research on the injured brain
Cape Town, South Africa (Nov)
- 2023 American Academy of Neurology meeting - "Neuroscience in the Clinic"
Biomarkers of Injury: Prognostic Utility in Clinical Setting
Boston, US (Apr)
- 2023 United2Act Summit on papermills
The Italian Academic Perspective
Virtual (May)
- 2023 The 1st European Neurotrauma Organisation (ENO) Meeting
Towards Clinical Implementation of Blood-based Biomarkers for Traumatic Brain Injury: Where Do We Stand?
Munich, Germany (Oct)
- 2023 The 1st Italian GBD Initiative Meeting
New Frontiers of the Italian GBD Initiative: Exploring Young-onset Dementia and the Link Between TBI and Neurodegenerative Disorders
Trieste, Italy (Nov)

GRANT ADVISORY COMMITTEES, REVIEW GROUPS

- 2011 Italian Ministry of Health (MoH)
Bando ricerca finalizzata/Giovani Ricercatori 2009
(External Reviewer)
- 2011 Italian Ministry of Health (MoH)
Member of Study Session GIOVANI RICERCATORI grants
BANDO GIOVANI RICERCATORI 2009
(Internal Reviewer)
Ministry of Health, Rome, Italy (2-4, May)
- 2012 Italian Ministry of Health (MoH)
Bando ricerca finalizzata/Giovani Ricercatori 2010
(External Reviewer)
- 2012 Italian Ministry of Health (MoH)
Member of a Study Session GIOVANI RICERCATORI grants
BANDO GIOVANI RICERCATORI 2010
(Internal Reviewer)
Ministry of Health, Rome, Italy (2-5, May)
- 2012 EUROPEAN COMMISSION
DIRECTORATE GENERAL FOR RESEARCH & INNOVATION
7TH FRAMEWORK PROGRAMME FOR RESEARCH- HEALTH – AREA
"BRAIN AND RELATED DISEASES"
(External Reviewer)
- 2012 EUROPEAN COMMISSION
DIRECTORATE GENERAL FOR RESEARCH & INNOVATION
7TH FRAMEWORK PROGRAMME FOR RESEARCH- HEALTH – AREA
"BRAIN AND RELATED DISEASES"
Consensus Group meeting

	(Internal Reviewer) Brussels, Belgium (15-16, Nov)
2013	EUROPEAN COMMISSION DIRECTORATE GENERAL FOR RESEARCH & INNOVATION 7TH FRAMEWORK PROGRAMME FOR RESEARCH- HEALTH – AREA "BRAIN AND RELATED DISEASES" (External Reviewer)
2013	EUROPEAN COMMISSION DIRECTORATE GENERAL FOR RESEARCH & INNOVATION 7TH FRAMEWORK PROGRAMME FOR RESEARCH- HEALTH – AREA "BRAIN AND RELATED DISEASES" Consensus Group meeting (Internal Reviewer) Brussels, Belgium (22, Mar)
2013	Italian Ministry of Health (MoH) BANDO RICERCA FINALIZZATA 2011-2012 (EDITOR Peer Review Process)
2014	Epilepsy Research UK (External Reviewer)
2014	The Swiss National Science Foundation (External Reviewer)
2014	National Health & Medical Research Council (NHMRC) (External Reviewer)
2014	Università di tor Vergata (External Reviewer)
2015	The Swiss National Science Foundation (External Reviewer)
2015	The National Institute for Health Research (NIHR), UK (External Reviewer)
2015	The American University of Beirut, Lebanon (External Reviewer)
2016	The Swiss National Science Foundation (External Reviewer)
2016	EUROPEAN COMMISSION HORIZON 2020 FET OPEN RIA (External Reviewer)
2016	Parkinson's UK (External Reviewer)
2017	The American University of Beirut, Lebanon (External Reviewer)
2017	EUROPEAN COMMISSION HORIZON 2020 FET OPEN RIA (External Reviewer)

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| 2017 | The 25th TV3 Marató on Strokes and traumatic spinal cord and brain injury
Fundacio La Marató de TV3
Agency for Health Quality and Assessment of Catalonia (AQuAS)
(<i>External Reviewer</i>) |
| 2017 | ELA International
(<i>External Reviewer</i>) |
| 2018 | EUROPEAN COMMISSION - HORIZON 2020
Innovative Medicines Initiative (IMI) - Call 13, Topic 11 Topic 11 - Translational Safety Biomarker Pipeline (TransBioLine): Enabling development and implementation of novel safety biomarkers in clinical trials and diagnosis of disease.
(<i>Independent Expert</i>) (Mar) |
| 2018 | EUROPEAN COMMISSION - HORIZON 2020
Innovative Medicines Initiative (IMI) - Call 13, Topic 11 Topic 11 - Translational Safety Biomarker Pipeline (TransBioLine): Enabling development and implementation of novel safety biomarkers in clinical trials and diagnosis of disease.
Consensus Group meeting
(<i>Panel Member - Rapporteur</i>)
Brussels, Belgium (19-20, Mar) |
| 2018 | Parkinson's UK
(<i>External Reviewer</i>) |
| 2018 | EUROPEAN COMMISSION - HORIZON 2020
Innovative Medicines Initiative (IMI) - Call 13, Topic 11 Topic 11 - Translational Safety Biomarker Pipeline (TransBioLine): Enabling development and implementation of novel safety biomarkers in clinical trials and diagnosis of disease.
(<i>Independent Expert</i>) (Sep) |
| 2018 | EUROPEAN COMMISSION - HORIZON 2020
Innovative Medicines Initiative (IMI) - Call 13, Topic 11 Topic 11 - Translational Safety Biomarker Pipeline (TransBioLine): Enabling development and implementation of novel safety biomarkers in clinical trials and diagnosis of disease.
Consensus Group meeting
(<i>Panel Member</i>)
Brussels, Belgium (27, Sep) |
| 2018 | EUROPEAN COMMISSION - HORIZON 2020
Societal Challenge 1 - RIA Research and Innovation action - Topic: SC1-BHC-01-2019: Understanding causative mechanisms in co- and multimorbidities combining mental and non-mental disorders.
(<i>Independent Expert</i>) (Nov) |
| 2018 | EUROPEAN COMMISSION - HORIZON 2020
Societal Challenge 1 - RIA Research and Innovation action - Topic: SC1-BHC-01-2019: Understanding causative mechanisms in co- and multimorbidities combining mental and non-mental disorders.
Consensus Group meeting
(<i>Panel Member - Rapporteur</i>)
Brussels, Belgium (26-30 Nov) |

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|------|---|
| 2019 | Invited by the Leading Fellows Programme Office to serve as a reviewer for the LEaDing Fellows Postdocs Programme - Horizon2020 Marie Skłodowska-Curie COFUND scheme
(<i>Peer/External Reviewer</i>) |
| 2018 | Invited by the Research Executive Agency (REA) part of the EUROPEAN COMMISSION to serve as Vice Chair for the FETOPEN-01-2018-2019-2020: FET-Open Challenging Current Thinking, part of the Future and Emerging Technologies (FET) programme (HORIZON 2020)
(<i>External Reviewer</i>) |
| 2019 | Expert Reviewer of "la Caixa" Banking Foundation's Research calls
(<i>External Reviewer</i>) |
| 2019 | European Science Foundation / Research Foundation Flanders (Fonds voor Wetenschappelijk Onderzoek – Vlaanderen - FWO)
FWO Call for Junior and Senior Research Projects
(<i>Expert Reviewer</i>) |
| 2019 | European Science Foundation / Research Foundation Flanders (Fonds voor Wetenschappelijk Onderzoek – Vlaanderen - FWO)
FWO Call for Junior and Senior Research Projects
(<i>Expert Reviewer</i>) |
| 2019 | Invited by the Research Executive Agency (REA) part of the EUROPEAN COMMISSION to serve as Vice Chair for the FETOPEN-01-2018-2019-2020: FET-Open Challenging Current Thinking, part of the Future and Emerging Technologies (FET) programme (HORIZON 2020)
(<i>Vice Chair</i>) |
| 2019 | French Healthcare Ministry
Proposals PHRC [Programme hospitalier de recherche Clinique] 2019
(<i>Expert</i>) |
| 2020 | Expert Reviewer of "la Caixa" Banking Foundation's Research calls
(<i>External Reviewer</i>) |
| 2020 | Invited by the Research Executive Agency (REA) part of the EUROPEAN COMMISSION to serve as Vice Chair for the FETOPEN-01-2018-2019-2020: FET-Open Challenging Current Thinking, part of the Future and Emerging Technologies (FET) programme (HORIZON 2020)
(<i>Vice Chair</i>) |
| 2020 | Dutch Research Council Domain Applied and Engineering Sciences (NWO Domain AES)
(<i>External Reviewer</i>) |
| 2021 | Ministry for University and Research (MUR)
FONDO INTEGRATIVO SPECIALE PER LA RICERCA (FISR) 2020
(<i>External Reviewer</i>) |
| 2021 | European Science Foundation (ESF) / Research Foundation Flanders (Fonds voor Wetenschappelijk Onderzoek – Vlaanderen - FWO)
FWO Post-doctoral projects
(<i>Expert Reviewer</i>) |

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|------|---|
| 2021 | Expert Reviewer of "la Caixa" Banking Foundation's Research calls
(<i>External Reviewer</i>) |
| 2021 | Invited by the EUROPEAN COMMISSION to serve as Vice Chair for the European Innovation Council (EIC) Pathfinder call
(<i>Vice Chair</i>) |
| 2021 | Czech Science Foundation
(<i>Expert Reviewer</i>) |
| 2021 | Invited by the EUROPEAN COMMISSION to serve as Quality Controller for the European Innovation Council (EIC) TRANSITION OPEN call - HORIZON-EIC-2021-TRANSITIONOPEN-01
(<i>Vice Chair Quality Controller</i>) |
| 2021 | Invited by the EUROPEAN COMMISSION to serve as Quality Controller for the PATHFINDER CHALLENGES - Call HORIZON-EIC-2021-PATHFINDERCHALLENGES-01 – Tools to measure & stimulate activity in brain tissue
(<i>Vice Chair Quality Controller</i>) |
| 2022 | Expert Reviewer of "la Caixa" Banking Foundation's Research calls
(<i>External Reviewer</i>) |
| 2022 | European Research Council Executive Agency (ERCEA)
ERC Consolidator Grant 2022 (ERC-2022-CoG) - STEP 1
(<i>Internal Reviewer</i>) |
| 2022 | European Research Council Executive Agency (ERCEA)
ERC Consolidator Grant 2022 (ERC-2022-CoG) - STEP 1
(<i>Panel Member</i>) |
| 2022 | Invited by the EUROPEAN COMMISSION to serve as Quality Controller for the PATHFINDER CHALLENGES - Call HORIZON-EIC-2022-PATHFINDERCHALLENGES-01 – Tools to measure & stimulate activity in brain tissue
(<i>Vice Chair Quality Controller</i>) |
| 2022 | The Swiss National Science Foundation
(<i>External Reviewer</i>) |
| 2022 | European Science Foundation (ESF) / Research Foundation Flanders (Fonds voor Wetenschappelijk Onderzoek – Vlaanderen - FWO)
FWO expert panel Med5RP
(<i>Panel Member</i>) |
| 2022 | Invited by the EUROPEAN COMMISSION to serve as Quality Controller for the HORIZON-EIC-2022-PATHFINDEROPEN-01
(<i>Cross Reader Quality Controller (CRQC)</i>) |
| 2022 | Agència de Gestió d'Ajuts Universitaris i de Recerca (AGAUR)
Call for grants to support the scientific activity of research groups in Catalonia (SGR-Cat 2021) |

	(<i>External Reviewer</i>)
2022	European Science Foundation (ESF) / Research Foundation Flanders (Fonds voor Wetenschappelijk Onderzoek – Vlaanderen - FWO) FWO expert panel Med5RP (<i>Panel Member</i>)
2022	European Research Council Executive Agency (ERCEA) ERC Consolidator Grant 2022 (ERC-2022-CoG) - STEP 2 (<i>Internal Reviewer</i>)
2022	European Research Council Executive Agency (ERCEA) ERC Consolidator Grant 2022 (ERC-2022-CoG) - STEP 2 (<i>Panel Member</i>)
2022	Horserace Betting Levy Board (HBLB) Equine Veterinary Research Projects (<i>External Reviewer</i>)
2023	Invited by the EUROPEAN COMMISSION to serve as Quality Controller for the EIC Pathfinder Open 2023 (<i>Vice Chair Quality Controller</i>)
2023	Invited by the EUROPEAN COMMISSION to serve as Quality Controller for the HORIZON EIC TRANSITION OPEN & CHALLENGES (<i>Vice Chair Quality Controller</i>)
2023	The European Science Foundation – Science Connect (www.esf.org) MIDEX International Research and Training (Focus1) (<i>External Reviewer</i>)
2023	Agency for Health Quality and Assessment of Catalonia 31st TV3 Marató on Cardiovascular Health (<i>External Reviewer</i>)
2023	European Science Foundation (ESF) / Research Foundation Flanders (Fonds voor Wetenschappelijk Onderzoek – Vlaanderen - FWO) FWO expert panel Med5RP (<i>Panel Member</i>)
2023	Invited by the EUROPEAN COMMISSION to serve as Quality Controller for the EIC Pathfinder Open 2023 (<i>Vice Chair Quality Controller</i>)
2023	European Science Foundation (ESF) the Graz University of Technology - Lead Projects 2023 Call (<i>Expert Reviewer</i>)
2024	European Research Council Executive Agency (ERCEA) ERC Consolidator Grant 2024 (ERC CoG 2024 call) - LS5 panel - Neuroscience and Disorders of the Nervous System - STEP 1 (<i>Panel Member</i>)
2024	European Research Council Executive Agency (ERCEA) ERC Consolidator Grant 2024 (ERC CoG 2024 call) - LS7 panel -

Neuroscience and Disorders of the Nervous System - STEP 1
(Expert Reviewer)

2024 Medical Research Council's Clinician Scientist Fellowship (CSF)
UK Research and Innovation (UKRI)
(Expert Reviewer)

CONFERENCE PANEL CHAIR

- 2011 10th International Neurotrauma Symposium
Stefania Mondello, Kevin Wang, ShuYuan Yang.
Biomarkers and Novel approaches to Monitoring
Shanghai, China (30, Apr)
- 2012 30th Annual National Neurotrauma Symposium, including the AANS/CNS
Section on Neurotrauma and Critical Care
TBI IN MILITARY OPERATIONS
Phoenix, Arizona (23, Jul)
- 2014 11th Symposium of the International Neurotrauma Society
Poster Session, *Assessing and Predicting Outcome*
Budapest, Hungary (Mar)
- 2016 Fostering Female Leadership through Role Models in Research, Company
and Business
Round table moderator: The Role Model Effect: Women Leaders in Research
Bari, Italy (14, May)
- 2017 Fostering Female Leadership through Role Models in Research, Company
and Business
The Traumatic Brain Injury Conference
Washington, DC USA (May)
- 2017 EANS2017
S. Mondello, G. Pavesi.
Session Title: Oral Presentations
Venice, Italy (Oct)
- 2019 X National Conference SISMEC
S. Mondello, S.N. Calza.
Poster Moderator
Rome, Italy (Sept)
- 2019 IBRO-MENA Annual Advanced Research School and Conference
SESSION: Clinical Impact and Management of Traumatic Brain Injury
Moderators: Dr. Ibrahim Omeis and Dr. Stefania Mondello
Beiruth, Lebanon (Oct)
- 2020 GYA Rapporteur of the ALLEA-GYA-STM expert roundtables on peer review
- 2021 International Neurotrauma Society Symposium in 2020
Workshop Chairs: Denes Agoston & Stefania Mondello

Technical Workshop “**Protein Biomarkers in TBI**”

Chairs: D. Agoston and S. Mondello

Melbourne, Australia (Apr)

- 2021 Global Neuro Webinar
Biomarkers in Traumatic Brain Injury
Chairs: A. Buki and S. Mondello
Virtual meeting (Dec)
- 2022 39th Annual National Neurotrauma Symposium, including the AANS/CNS Section on Neurotrauma and Critical Care
Strategic Roadmap for Implementing TBI biomarkers in a Real-World Clinical Setting: Perspectives from the International Initiative for Traumatic Brain Injury Research (InTBIR) Biomarker Work Group
Chairs: S. Mondello and A. Puccio
Atlanta, US (Jun)
- 2022 International Neurotrauma Society (INTS) - NeuroTrauma 2022
Symposium: Biomarkers of traumatic brain and spinal cord injury
Chairs: S. Mondello and M. Oresic
Berlin, Germany (Jul)
- 2022 International Symposium on Intracranial Pressure and Brain Monitoring (ICP)
Clinical and laboratory neuroscience: victories of bench-to-bedside research on the injured brain
Cape Town, South Africa (Nov)
- 2023 The 1st European Neurotrauma Organisation (ENO) Meeting
Session: Fluid Biomarkers of Neurotrauma
Chairs: S. Mondello and A. Buki
Munich, Germany (Oct)
- 2024 40th Annual National Neurotrauma Symposium, including the AANS/CNS Section on Neurotrauma and Critical Care
Strategic Roadmap for Implementing TBI biomarkers in a Real-World Clinical Setting: Perspectives from the International Initiative for Traumatic Brain Injury Research (InTBIR) Biomarker Work Group
Chairs: S. Mondello and R. Diaz-Arrastia
San Francisco, US (Jun)

PATENTS AWARDED

- 2014 Method to Detect, Monitor and Promote Neural Regeneration and Improvement of Cognitive Function in a Subject Suffering from Neural Injury.
US Patent # US 2014/0018299 A1

CURRENT NATIONAL AND INTERNATIONAL COLLABORATIONS

Walter Reed Army Institute of Research

Visiting Scholar (January 20 – February 5, 2015). Responsibilities: Contribution to biomarker and data analysis, collaborations on the preparations of publications, grants and presentations.

Walter Reed Army Institute of Research

Visiting Scholar (10 August - 5 September, 2014). Responsibilities: Contribution to biomarker and data analysis, collaborations on the preparations of publications, grants and presentations.

NEUREN PHARMACEUTICALS

Consultant (12 December 2014 - Present). Responsibilities: Contribution to development of Statistical Analysis Plan, Analysis of final data set, including all biomarker data, Preparation of manuscripts

University of California, Los Angeles campus ("UCLA")

Research Collaborator (7 January 2015 - Present). Collaborative research activities for the purpose of candidate biomarker panel validation in CSF and serum of severe TBI and serum samples of mild TBI patients and non-trauma control samples.

InTBIR Biomarker Work Group (Member)

Member (March 2016 - Present). InTBIR (International Initiative for Traumatic Brain Injury Research) is a collaborative effort of the European Commission (EC), the Canadian Institutes of Health Research (CIHR) and the National Institutes of Health (NIH). It was set up in October 2011 to advance clinical traumatic brain injury (TBI) research, treatment and care.

Living Systematic Review Network (Member)

Member (September 2016 - Present). The purpose of the Network is to: 1) Share ideas, information and resources; 2) Work on a more practical definition of what an LSR is and the steps involved; and 3) Develop some candidate approaches for testing as part of a suite of Cochrane pilots.

Collaborative European NeuroTrauma Effectiveness Research in TBI (CENTER-TBI) - Research Collaborator

CENTER-TBI is a large European project that aims to improve the care for patients with Traumatic Brain Injury (TBI) by collecting a prospective, contemporary, highly granular, observational dataset of 5400 patients, which will be used for better characterization of TBI and for Comparative Effectiveness Research (CER)

Global Burden of Disease (GBD) collaborator network (Member)

Member (March 2018 - Present). The Global Burden of Disease (GBD) provides a tool to quantify health loss from hundreds of diseases, injuries, and risk factors, so that health systems can be improved and disparities can be eliminated.

International RLS Study Group (IRLSSG) (Member)

Member (June 2018 - Present). International RLS Study Group is a nonprofit organization of professionals committed to advancing basic and clinical research of restless legs syndrome (RLS).

Italian GBD Initiative (Member)

Member (March 2019 - Present). The Italian Global Burden of Disease (GBD) Initiative aims at providing a tool to quantify health disparities and loss across Italian region that inform and enhance health systems.

Sicilian GBD Working Group (Founder & Member)

Founder & Member (July 2019 - Present). The Sicilian GBD Working Group in collaboration with the Epidemiological Observatory of the Sicilian Health Department aims at estimating and monitoring morbidity, mortality, disability and risk factors at the regional level, in accordance with the paramenter and

indicators used in the Global GBD, to inform and improve healthcare interventions and outcomes.

ENIGMA AMS-TBI (Member)

Member (September 2019 - Present). The ENIGMA Adult Moderate/Severe Traumatic Brain Injury Working Group aims at being a driving force for new discoveries in AMS-TBI by providing researchers world-wide with an effective framework and platform for large-scale cross-border collaboration and data sharing. Based on the principles of transparency, rigor, reproducibility and collaboration, the goal is to facilitate the development and dissemination of multiscale and big data analysis pipelines for harmonized analyses in AMS-TBI using structural and functional neuroimaging in combination with non-imaging biomarkers, genetics, as well as clinical and behavioral measure.

COST Action CA18218 (Member)

Member (September 2019 - Present). COST Action CA18218 – European Burden of Disease Network aims at building and increasing capacity in burden of disease assessment across Europe, serving as a technical platform where knowledge and expertise can be shared among established and emerging researchers, and promoting an interdisciplinary approach that integrates knowledge translation in the classical burden of disease framework.

ZelosDx (Clinical and Scientific Advisor)

Clinical and Scientific Advisor (August 2020 - Present)

Cochrane Methods Network (Member)

Member (March 2021 - Present). The Cochrane Methods Network is a community of methodologists within Cochrane interested in evidence synthesis methods relevant to Cochrane Reviews.

Critical Path for Duchenne Regulatory Science's Consortium (D-RSC) (Advisory Member)

Member (February 2023 - Present). D-RSC D-RSC is a global consortium to support collaborative research to accelerate development of patient-centric therapies for Duchenne muscular dystrophy and to augment expertise in clinical trial design and disease progression through shared data access and development of drug development tools.

Cochrane (Staff Member)

Staff Member (October 2023 - Present). Cochrane is an international network aiming at a world of better health for all people where decisions about health and care are informed by high-quality evidence. The ultimate goal is to summarize the best evidence from research to help make informed medical decisions.

United2Act (Vice-Chair)

Vice-Chair of the Steering Group (January 2024 - Present). UNITED2ACT is a group of international stakeholders working collaboratively to address the collective challenge of paper mills in scholarly publishing.

CURRENT GRANT SUPPORT

bioMérieux
(Mondello)

4/1/24-03/31/25

PI

“Utility of Changes in Circulating GFAP and UCH-L1 in the Diagnosis and Characterization of Intracranial Lesions after Minor Head Injury”

The objective of this proposal is to examine whether changes in GFAP and UCH-L1 concentrations alone or in combination have higher diagnostic accuracy of single admission measurement for the diagnosis of intracranial lesion in a population of patients presenting with minor head injury.

U01 4/1/24-03/31/28 PI
NIH (Puccio, Diaz-Arrastia, Hutchinson, Mondello, Wang, Wellington)

1U01NS131740-01A1

“Analytical characterization and validation of blood-biomarkers for monitoring TBI evolution” \$ 5,112,523

The objective of this proposal is to initiate the first systematic analytical characterization and validation of a panel of biochemical markers detectable for TBI in human blood.

Messina University (Italy) - 11/15/2023

Active Investigator Grant, € 1,500

PAST GRANT SUPPORT

National Centers for Disease Control and Prevention

(Mondello) 11/30/2020-11/29/2022

Co-PI

PROGRAMMA CCM 2020

Epidemiological surveillance and control of the COVID-19 pandemic in urban areas for containment of SARS-CoV-2 diffusion in the immigrants in Italy, € 450,000

Messina University (Italy) - 11/15/2020

Active Investigator Grant, € 1,500

Italian Ministry of Health

(Mondello) 06/30/2016-11/16/2020

PI

GR-2013-02354960

Novel Biomarkers for Improved Characterization, Disease Tracking and Outcome Prediction in Traumatic Brain Injury, € 389,957

Italian Ministry of Health

(Mondello) 02/28/2018-02/28/2019

PI

Current Research – Research Line

Identification of Biomarkers for Diagnosis, Characterization and Monitoring of Sleep Disorders using Neuroproteomics, Glicomics and Advanced Bioinformatics/Systems Biology Analyses

Ministry of Education, Universities and Research (Italy) - 01/18/2018

Active Investigator Grant, € 3,000

U.S. Army Medical Research and Materiel Command

(Kochanek) 09/30/2014 – 09/30/2018

Consultant

Operation Brain Trauma Therapy- ES

Operation brain trauma therapy (OBTT) is a multicenter, pre-clinical, drug screening and brain injury biomarker development consortium for TBI

Messina University - Research and Mobility 2016

(Minutoli) 01/01/2017 – 12/12/2017

Participant

Role of nuclear receptors on the inflammation and on the blood-testis barrier as a cause of infertility.

to investigate the role of nuclear receptors in an experimental model of varicocele in

male PPAR-alfa knockout (KO) mice, TLR4 KO mice and wild type (WT) mice, € 75,000

U.S. Army Medical Research and Materiel Command

(Kochanek)

09/30/2015 – 09/29/2016

Consultant

Operation Brain Trauma Therapy- Year 6

Operation brain trauma therapy (OBTT) is a multicenter, pre-clinical, drug screening and brain injury biomarker development consortium for TBI.

U.S. Army Medical Research and Materiel Command

(Shear)

09/30/2014 – 09/29/2015

Consultant

W81XWH-12-2-0134 (0036863) (401029-2)

A military-relevant model of closed concussive head injury: longitudinal studies characterizing and validating single and repetitive mTBI

U.S. Army Medical Research and Materiel Command

(Kochanek)

9/30/10-9/29/15

Consultant

W81XWH-10-1-0623

Operation Brain Trauma Therapy, \$ 1,300,000

Operation brain trauma therapy (OBTT) is a multicenter, pre-clinical, drug screening and brain injury biomarker development consortium for TBI.

U.S. Army Medical Research Acquisition Activity

(Kamimori)

06/01/2009 - 06/30/2013

10% effort

W81XWH-09-2-0055, \$ 622,644

Brain Injury Biomarkers and Behavioral Characterization of mTBI in Soldiers Following Repeated, Low-level Blast Exposure

The goal of this study is to evaluate the short, moderate and long term effects of repetitive exposure to low level blast overpressure on neurocognitive function and to identify the most efficacious means of identifying mTBI in soldiers.

US Army

9/28/10-9/27/15

Consultant

DoD (Contract) (Hayes)

Pivotal Trial For Biomarkers of Traumatic Brain Injury, \$28,615,559

The objective of this proposal is to evaluate the utility of the Banyan TBI Assay in traumatic brain injury detection and differentiation, using the THUNDERBOLT System or Point of Care / handheld device. The trial will evaluate the utility of the assay for detecting TBI in subjects with known mild, moderate or severe disease status. The assay will be evaluated in a sample population of subjects over the age of 18 who have been referred to the health care provider for closed head injury evaluation.

US Army

4/14/06-7/13/12

Consultant

DoD (US Army BANDITS Program) (Hayes) \$24,371,237

W81XWH-06-1-0517

Biomarkers of Brain Injury: Magnitude, Secondary Insults & Outcome \$24,371,237

The objective of this proposal is to examine relationships between potential TBI biomarkers measurable in cerebral spinal fluid (CSF) and blood with clinical measures of injury severity, occurrence of secondary insult, and outcome to determine if these biomarkers have utility as a blood-based TBI diagnostic and monitoring tool.

R01

4/1/06-4/30/11

Consultant

NIH (Robicsek, Hayes)

Biochemical Markers of TBI (UF) \$ 4,812,523 - Plus \$ 1,520,107

The objective of this proposal is to initiate the first systematic identification and validation of a panel of biochemical markers detectable for TBI in human cerebrospinal

fluid (CSF), a biological fluid routinely accessible following severe TBI.

ACADEMIC/ TEACHING EXPERIENCES

Clinical Instructor, University of Messina, Messina, Italy, 2004 to 2008

- Semeiotics and Medical Methodology Course, Third and Fourth Medical Student Course.

Instructor, University of Florida, Gainesville, FL, 2008 to 2013

- Preparation of Presentations, Lectures and participation in all academic activity routinely scheduled in Department of Anesthesiology, Division Critical Care, that includes daily discussions of difficult cases with all of the attending, x-ray rounds, critical care grand rounds and daily change with the clinical fellows, residents and medical students.

Instructor, College of Public Health and Health Professions, University of Florida, Gainesville, FL, 2011

2013-2014

Instructor, University of Messina, Course of study: Child Health Nursing

Course title: Basic Scientific English

- Developed course curriculum, materials, give lectures, held office hours and conduct exams

2013-2014

Instructor, University of Messina, Course of study: Child Health Nursing

Course title: Advanced Scientific English

- Developed course curriculum, materials, give lectures, held office hours and conduct exams

2013- 2015

Instructor, University of Messina, Course of study: Audioprotesic Science Techniques

Course title: Internal Medicine

- Developed course curriculum, materials, give lectures, held office hours and conduct exams

2013-2017

Instructor, University of Messina, Course of study: Midwifery

Course title: Biostatistics

- Developed course curriculum, materials, give lectures, held office hours and conduct exams

2013-2017

Instructor, University of Messina, Course of study: Midwifery

Course title: Statistical Methods for Research

- Developed course curriculum, materials, give lectures, held office hours and conduct exams

2013- 2016

Instructor, University of Messina, School of Medicine

Course title: Emergency Medicine

- Developed and give lectures, held office hours and conduct exams

2014- Present

Instructor, University of Messina, School of Medicine

Course title: Biostatistics

- Developed course curriculum, materials, give lectures, held office hours and conduct exams

2016- Present

Instructor, University of Messina, School of Radiologic Technology

Course title: Biostatistics

- Developed course curriculum, materials, give lectures, held office hours and conduct exams

2017- 2018

Instructor, University of Messina, School of Dental Medicine

Course title: Biostatistics

- Developed course curriculum, materials, give lectures, held office hours, and conduct exams

2017- Present

Member of Graduate Faculty PhD Program, University of Messina

Research Doctorate title: Applied Biology and Experimental Medicine

2017-Present

Instructor, University of Messina, Course of study: Public Health & Preventive Medicine Residency Program

Course title: Biostatistics

2017-Present

Instructor, University of Messina

Course of study: Occupational and environmental medicine Residency Program

Course title: Biostatistics

2018-Present

Instructor, University of Messina

Course of study: Respiratory Medicine Residency Program

Course title: Biostatistics

2018-Present

Instructor, University of Messina

Course of study: Maxillofacial Surgery Residency Program

Course title: Biostatistics

2018- Present

Instructor, University of Messina, School of Medicine&Surgery (English-Program)

Course title: Biostatistics

- Developed course curriculum, materials, give lectures, held office hours and conduct exams

2022- 2022

Lecturer, University of Birmingham, MSc Trauma Science

Module 1 – WEEK 3

Lecture title: FDA approved biomarkers of concussion

2023- Present

Member of Graduate Faculty PhD Program, University of Pavia

Research Doctorate title: Computational Mathematics, Learning, and Data Science

JOURNAL PEER REVIEWER

Acta Neurologica Belgica	2016-Present
Alzheimer's & Dementia	2024-Present
Annals of Neurology	2019-Present
Biomarker Insights	2015-Present
Brain Communication	2022-Present
Brain Injury	2015-Present
Brain Research Bulletin	2021-Present
BMC Gastroenterology	2013-Present
BMJ Open	2018-Present
Clinical Chemistry	2010-Present
Clinical Medicine Insights: Intensive Medicine	2015-Present
Concussion	2016-Present
Critical Care	2015-Present
Critical Care Medicine	2009-Present
Disability and Rehabilitation	2019-Present
Electrophoresis	2012-Present
Emergency Medicine	2013-Present
Emergency Medicine	2013-Present
European Journal of Neurology	2022-Present
Experimental Neurology	2021-Present
Expert Review of Proteomics	2012-Present
Frontiers in Neurology- Neurotrauma	2012-Present
Intensive Care Medicine Experimental	2020-Present
JAMA Network Open	2023-Present
Journal of Central Nervous System Disease	2015-Present
Journal of Neurology, Neurosurgery, and Psychiatry	2014-Present
Journal of Neurotrauma	2010-Present
Movement Disorders	2014-Present
Nature Reviews Neurology	2016-Present
Neurobiology of Disease	2012-Present
Neurocritical care	2010-Present
Neurology	2016-Present
Neuroscience Letters	2015-Present
Neurosurgery	2012-Present
New England Journal of Medicine	2017-Present
Pediatric Research	2012-Present
PLOS ONE	2013-Present
Scientific Reports	2013-Present
Sleep	2019-Present
The International Journal of Neuroscience	2013-Present
The Lancet Neurology	2016-Present

JOURNAL EDITORIAL BOARD

Frontiers in Systems Biology	2011-Present
Editor-in-Chief of the Frontiers Research Topic on "Towards	

translating research to clinical practice: Novel Strategies for Discovery and Validation of Biomarkers for Brain Injury"	2011-2013
Biomarker Research	2012-Present
Expert Review of Proteomics	2015-Present
Scientific Reports: Nature Publishing Group	2015-Present
Journal of Intensive Care (International Board Member)	2015-Present
Guest editor of the Special Issue on Traumatic Brain Injury "Neuropathological, Cellular and Behavioral Mechanisms in Traumatic Brain injury: Insights on different Animal Models of Neurotrauma". Behavioural Brain Research Volume 340, Pages 1-212 (15 March 2018). Edited by Kevin Wang, Stefania Mondello and Firas Kobeissy	2015-2018
Editor-in-Chief of the Research Topic "Developing Successful Neuroprotective Treatments for TBI: Translational Approaches, Novel Directions, Opportunities and Challenges" in Frontiers in Neurology-Neurotrauma	2017-2019
Associate Editor of Frontiers in Neurology-Neurotrauma	2017-Present
Guest editor - Research Topic "Biomarkers in Neurology" in Frontiers in Neurology-Neurotrauma	2017-2019
Associate Editor of Frontiers for the Specialty Section Neurodegeneration	2019-Present
Associate Editor of Frontiers in Neurology-Neurotrauma	2017-Present
Associate Editor of Journal of Neurotrauma	2019-Present
Associate Editor of Neurotrauma Reports	2020-Present
Editorial Board Member Diagnostics–MDPI	2020-Present
Editorial Board Member Traumas–MDPI	2020-Present
Editorial Board Member Medicina–MDPI	2021-Present
Guest editor - Research Topic "Advancing Precision Medicine in TBI: Biomarkers for Clinical Decision Making" in Frontiers in Pharmacology	2021-Present
Guest editor - Research Topic "Advances in Acute Traumatic Brain Injury Prevention, Assessment, Management, Models, and Prediction" in Frontiers in Bioengineering and Biotechnology	2021-Present
Associate Editor of Frontiers in Neurology- Neurological Biomarkers section	2021-Present
Editorial Board Member of Brain Injury	2022-Present

JOURNAL EDITORIAL BOARD- Statistical Editor

Frontiers in Pharmacology	2015-Present
Sleep	2017-Present

ADDED QUALIFICATION

- 2007 Diploma of Clinical Ultrasonography Italian Society of Medicine and Biology Ultrasonography (SIUMB)
- 2007 Basic and Advanced Life Support Italian Resuscitation Council (IRC) n°21616
- 2017 StatisticAlps 2017, 7th Edition: Biomarkers & Classifiers for Diagnostic and Therapeutic Research
- 2017 Biostatistical Manager for the I.R.C.C.S. Associazione Oasi Maria SS. ONLUS – TROINA
- 2017 Biostatistician and member of the local Institutional Review Board (IRB)
- 2018 Biostatistician and member of the Institutional Animal Care and Use Committee (IACUC)
- 2020 Biostatistician and member of the local Institutional Review Board (IRB)
- 2021 Member of the International Neurotrauma Society (INTS) Scientific Advisory Board
- 2022 Certificate of Completion of GOOD CLINICAL PRACTICE

BOOKS EDITED

1. Towards translating research to clinical practice: Novel Strategies for Discovery and Validation of Biomarkers for Brain Injury. Editors: **Mondello S**, Buki A, Tortella FC and Wang KW. Eds: Frontiers in Neurology – Neurotrauma. Specialty Chief Editor Dr. Marten Risling. Publisher: Frontiers Media SA. ISBN: 978-2-88919-391-2 2015. http://www.frontiersin.org/books/Towards_translating_research_to_clinical_practice_Novel_Strategies_for_Discovery_and_Validation_of/447
2. Injury Models of the Central Nervous system. Eds. Dixon, Kobeissy, Hayes and **Mondello**, 2016 (In Press). Series Title: Methods in Molecular Biology. Springer Publishing Group, ISBN 978-1-4939-3816-2. <http://www.springer.com/us/book/9781493938148>
3. Developing Successful Neuroprotective Treatments for TBI: Translational Approaches, Novel Directions, Opportunities and Challenges. Editors: **Mondello S**, Hasan A, Shear DA. Eds: Frontiers in Neurology – Neurotrauma. Publisher: Frontiers Media SA. 2019. ISBN 978-2-88919-391-2. <https://www.frontiersin.org/research-topics/6685/developing-successful-neuroprotective-treatments-for-tbi-translational-approaches-novel-directions-o>
4. Biomarkers in Neurology. Editors: Salama MM, **Mondello S**, Kobaissy FH, Wael MYM. Eds: Frontiers in Neurology – Neurotrauma. Publisher: Frontiers Media SA. 2019. ISBN 978-2-88963-693-8. <https://www.frontiersin.org/research-topics/7549/biomarkers-in-neurology>

PROFESSIONAL ASSOCIATIONS

Neurocritical Care Society (NCS)
Society of Critical Care Medicine (SCCM)
European Society of Intensive Care Medicine (ESICM)
International Neurotrauma Society (INTS)
National Neurotrauma Society (NTS)
Women in Neurotrauma Research (WINTR)
Italian Society of Internal Medicine (SIMI)

Italian Society of Emergency-Urgency Medicine (SIMEU)
 Italian Society Ultrasonology in Medicine and Biology (SIUMB)
 American Heart Association (AHA)
 Society for Neuroscience (SfN)
 Society of Toxicology (SOT)
 Italian Society of Medical Statistics and Clinical Epidemiology (SISMEC)
 Italian Resuscitation Council (IRC)
 Italian Region of the International Biometric Society - Società Italiana di Biometria (SIB)
 European Neurotrauma Organization (ENO)

CLINICAL AFFILIATIONS

Messina University Hospital (Italy)
 Shands HealthCare, affiliated with the University of Florida
 Oasi Institute IRCCS, Troina, Italy

SPECIAL EXPERIENCE

- | | |
|------|---|
| 2010 | Society of Critical Care Medicine (SCCM)
40th Critical Care Congress, Society of Critical Care Medicine's
(Abstract Reviewer) |
| 2011 | Society of Critical Care Medicine (SCCM)
41st Critical Care Congress, Society of Critical Care Medicine's
(Abstract Reviewer) |
| 2012 | Young European Assessor - External Advisor/Consultant AIFA |
| 2012 | External Advisor/Consultant, Reviewer Guidelines, Italian Ministry
of Health (MoH) |
| 2013 | ISSNAF Award for Young Investigators (Abstract Reviewer) |
| 2013 | Consultant: Brain Trauma, Neuroprotection and Neurorestoration,
Walter Reed Army Institute of Research, Department of Defence
(DoD) |
| 2013 | Consultant: EnCor Biotechnology, Inc., Gainesville, FL. |
| 2013 | Consultant: NNZ-2566 Clinical Trial, Severe Traumatic Brain
Injury, Neuren Pharmaceuticals |
| 2013 | Consultant: Atlantic Biomarkers, LLC, Gainesville, FL |
| 2013 | Society of Critical Care Medicine (SCCM)
43rd Critical Care Congress, Society of Critical Care Medicine's
(Abstract Reviewer) |
| 2014 | Military Health System Research Symposium (MHSRS).
Poster Judging.
18-21 August 2015 |
| 2014 | Society of Critical Care Medicine (SCCM)
45th Critical Care Congress, Society of Critical Care Medicine's
(Abstract Reviewer) |
| 2015 | Military Health System Research Symposium (MHSRS).
Poster Judging. |

- 17-20 August 2015
- 2017 National Neurotrauma Society (NNS) Symposium 2017
(Abstract Reviewer)
- 2017 EUWIIN International Conference - 6th Bi-Annual European & International Women Inventors, Innovators & Entrepreneurs Awards
(Member of the Judging Panel and of the GWIIN advisory Board - Judging Facilitator)
- 2018 The 3rd Joint Symposium of the International and National Neurotrauma Societies and AANS/CNS Section on Neurotrauma and Critical Care (NeuroTrauma 2018)
(Abstract Reviewer)
- 2018 Society of Critical Care Medicine (SCCM)
49th Critical Care Congress, Society of Critical Care Medicine's
(Abstract Reviewer)
- 2018 Selected to attend the IAP for Health Young Physician Leaders programme and the World Health Summit
- 2018 Invited member of PhD Thesis Committee - *Opponent of Dissertation Thesis*- Kosice, Slovakia
- 2018 Peer review mentor for the Publons Academy
- 2019 IBRO-MENA annual advanced research school and conference
(Poster Judges Committee)
- 2020 Elsevier Reviewer for a new book proposal ("High throughput technologies in disease diagnostics and therapeutics")
- 2021 Judge of student and early career researcher presentations
International Neurotrauma Symposium (INTS 2021)
- 2022 15th International Neurotrauma Symposium (INTS 2022)
(Abstract Reviewer)
- 2022 39th Annual National Neurotrauma Symposium (NNS 2022)
(Abstract Reviewer)
- 2022 Elsevier Reviewer for a new book proposal ("TRANSLATING ANIMAL SCIENCE RESEARCH")

PUBLICATIONS

JOURNAL ARTICLES (TOTAL 226)

Mondello S*, Buemi M, Mazzon E, Aloisi C. Lymphocytic vasculitis associated with icodextrin. *Perit Dial Int*, 2007 Nov-Dec; 27(6):712-5.

Caccamo C, Nostro L, Giorgianni G, **Mondello S**, Crascì E, Frisina N, Buemi M. Behavior of vascular endothelial growth factor and erythropoietin throughout the menstrual cycle in healthy women. *J Reprod Med*. 2007 Nov; 52 (11):1035-9.

Mondello S*, Fodale V, Cannavò S, Aloisi C, Almoto B, Buemi M, Santamaria LB. Hypophosphatemia as unusual cause of ARDS

- in Cushing's syndrome secondary to ectopic CRH production. A case report. *ScientificWorldJournal*. 2008 Feb 6; 8:13.
- Raimondo G, Navarra G, **Mondello S**, Costantino L, Colloredo G, Cucinotta E, Di Vita G, Scisca C, Squadrito G, Pollicino T. Occult hepatitis B virus in liver tissue of individuals without hepatic disease. *J Hepatol*. 2008 May;48(5):743-6.
- Fodale V, **Mondello S**, Aloisi C, Schifilliti D, Santamaria L. Genotoxic effects of anesthetic agents. *Expert Opin Drug Saf*. 2008 Jul; 7(4):447-58. Review.
- Mondello S***, Mazzon E, Di Paola R, Crisafulli C, Italiano D, Buemi M, Aloisi C, Cuzzocrea S. Erythropoietin suppresses peritoneal fibrosis in rat experimental model. *Eur J Pharmacol*. 2009 Feb 14; 604(1-3):138-49.
- Mondello S***, Mazzon E, Paola RD, Crisafulli C, Mondello P, Buemi M, Aloisi C, Cuzzocrea S. Thalidomide suppresses sclerosing encapsulating peritonitis in rats experimental model. *Shock*. 2009 Sep;32(3):332-9.
- Cerrito M, **Mondello S**, Oreto G. Qual è la causa della bradicardia? *Cardiologia Ambulatoriale*, 2008; 3:151-155.
- Buemi M, Fazio MR, Bolignano D, Coppolino G, Donato V, Lacquaniti A, **Mondello S**, Buemi A, Allegra A. Renal complications in oncohematologic patients. *J Investig Med*. 2009 Dec; 57(8):892-901.
- Mondello S***, Italiano D, Giacobbe MS, Mondello P, Trimarchi G, Aloisi C, Bramanti P, Spina E. Glutamine-supplemented total parenteral nutrition improves immunological status in anorectic patients. *Nutrition*. 2010 Jun;26(6):677-81.
- Mondello S***, Robicsek S, Gabrielli A, Brophy G, Papa L, Tepas Iii J, Robertson C, Buki A, Scharf D, Jixiang M, Akinyi L, Muller U, Wang KK, Hayes RL. alphaII-Spectrin Breakdown Products (SBDPs): Diagnosis and Outcome in Severe Traumatic Brain Injury Patients. *J Neurotrauma*. 2010 Jul;27(7):1203-13.
- Mondello S***, Galuppo M, Mazzon E, Domenico I, Mondello P, Carmela A, Cuzzocrea S. Glutamine treatment attenuates the development of ischaemia/reperfusion injury of the gut. *Eur J Pharmacol*. 2010 Sep 25;643(2-3):304-15.
- Mondello S***, Muller U, Jeromin A, Streeter J, Hayes RL, Wang K.K.. Blood-based Diagnostics of Traumatic Brain Injury. *Expert Rev Mol Diagn*. 2011 Jan;11(1):65-78. Review.
- Brophy G, **Mondello S**, Papa L, Robicsek S, Gabrielli A, Tepas Iii J, Buki A, Robertson C, Tortella FC, Wang KK. Biokinetic Analysis of Ubiquitin C-Terminal Hydrolase-L1 (UCH-L1) in Severe Traumatic Brain Injury Patient Biofluids. *J Neurotrauma*. 2011 Jun; 28(6):861-70.
- Mondello S***, Galuppo M, Mazzon E, Italiano D, Mondello P, Aloisi C, Cuzzocrea S. Glutamine treatment attenuates the development

- of organ injury induced by zymosan administration in mice. *Eur J Pharmacol.* 2011 May 1;658(1):28-40. Epub 2011 Feb 22.
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- Schifilliti D, **Mondello S**, D'Arrigo MG, Chillè G, Fodale V. Genotoxic effects of anesthetic agents: an update. *Expert Opin Drug Saf.* 2011 Nov;10(6):891-9.
- Hayes RL, **Mondello S***. The Future of Simple Blood Based Tests to Diagnose Mild TBI. *International Neurotrauma Letter (IBIA)*, Issue 02 2011. <http://www.internationalbrain.org/?q=node/162>
- Mondello S***, Papa L, Buki A, Bullock R, Czeiter E, Tortella F, Wang KK, Hayes RL. Neuronal and Glial Markers are differently associated with Computed Tomography Findings and Outcome in patients with Severe Traumatic Brain Injury: a Case Control Study. *Crit Care.* 2011 Jun 24;15(3):R156.
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- Hayes RL, **Mondello S**, Wang K. Glial fibrillary acidic protein: A promising biomarker in pediatric brain injury. *Pediatr Crit Care Med.* 2011 Sep;12(5):603-4.
- Ahmad A, **Mondello S**, Di Paola R, Mazzon E, Esposito E, Catania MA, Italiano D, Mondello P, Aloisi C, Cuzzocrea S. Protective effect of apocynin, a NADPH-oxidase inhibitor, against contrast-induced nephropathy in the diabetic rats: A comparison with n-acetylcysteine. *Eur J Pharmacol.* 2012 Jan 15;674(2-3):397-406.
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- *Mondello S**. Angiotensin receptor antagonists: A potential neuroprotective strategy after brain trauma. *Crit Care Med.* 2012 Mar;40(3):1023-4.
- *Mondello S**, Jeromin A, Buki A, Bullock R, Czeiter E, Kovacs N, Barzo P, Schmid K, Tortella FC, Wang KK, Hayes RL. Glial Neuronal Ratio (GNR): a Novel Index for Differentiating Injury Type in Patients with Severe Traumatic Brain Injury. *J Neurotrauma.* 2012 Apr 10;29(6):1096-104.
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- Brain Injury Are Associated With Intracranial Lesions and Neurosurgical Intervention. *Ann Emerg Med.* 2012 Jun;59(6):471-83.
- *Mondello S**, Akinyi, L, Buki, A, Robicsek, S, Gabrielli, A, Tepas, J, Papa, L, Brophy, G, Tortella, FC, Hayes, RL, Wang, KK Clinical Utility of Serum Levels of Ubiquitin C-Terminal Hydrolase as a Biomarker for Severe Traumatic Brain Injury. *Neurosurgery.* 2012 Mar;70(3):666-675.
- Czeiter E, **Mondello S**, Kovacs N, Sandor J, Gabrielli A, Schmid K, Tortella FC, Wang KK, Hayes RL, Barzo P, Ezer E, Doczi T, Buki A. Brain injury biomarkers may improve the predictive power of the IMPACT outcome calculator. 2012 Jun 10;29(9):1770-8
- Papa L, Lewis LM, Silvestri S, Falk JL, Giordano P, Brophy GM, Demery JA, Liu MC, Mo J, Akinyi L, **Mondello S**, Schmid K, Robertson CS, Tortella FC, Hayes RL, Wang KK. Serum levels of ubiquitin C-terminal hydrolase distinguish mild traumatic brain injury from trauma controls and are elevated in mild and moderate traumatic brain injury patients with intracranial lesions and neurosurgical intervention. *Journal of Trauma and Acute Care Surgery.* 72(5):1335-1344, May 2012.
- *Mondello S**, Gabrielli A, Catani S, D'Ippolito M, Jeromin A, Ciaramella A, Bossù P, Schmid K, Tortella FC, Wang KK, Hayes RL, Formisano R. Increased Levels of Serum MAP-2 at 6-months Correlate with Improved Outcome in Survivors of Severe Traumatic Brain Injury. *Brain Inj.* 2012;26(13-14):1629-35. doi: 10.3109/02699052.2012.700083.
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- Calabrò RS, Italiano D, Ferrara D, **Mondello S**, Conti-Nibali V, Salviera C, Bramanti P. The Hypothalamic-Neurohypophyseal System: Current and Future Treatment of Vasopressin and Oxytocin Related Disorders. *Recent Pat Endocr Metab Immune Drug Discov.* 2012 Sep 1;6(3):235-50.
- *Mondello S**, Palmio J, Streeter J, Hayes RL, Peltola J, Jeromin A. Ubiquitin Carboxy-Terminal Hydrolase L1 (UCH-L1) is increased in cerebrospinal fluid and plasma of patients after epileptic seizure. *BMC Neurol.* 2012 Aug 29;12(1):85.
- Raad M, Tal T, Gul R, **Mondello S**, Zhang Z, Boustany RM, Kobaissy F. Neuroproteomics approach & neurosystems biology analysis: ROCK inhibitors as promising therapeutic targets in

- neurodegeneration & neurotrauma. Electrophoresis. 2012 Dec; 33(24):3659-68. doi: 10.1002/elps.201200470.
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- Kobeissy F, Alawieh A, **Mondello S**, Boustany RM, Gold MS. Biomarkers in psychiatry: how close are we? Front Psychiatry. 2012;3:114. doi: 10.3389/fpsyt.2012.00114.
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- *Mondello S**, Buki A, Italiano D, Jeromin A. α -Synuclein in CSF of patients with severe traumatic brain injury. Neurology. 2013 Apr 30;80(18):1662-8. doi: 10.1212/WNL.0b013e3182904d43. Epub 2013 Apr 3.
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- Kou Z, Gattu R, Kobeissy F, Welch RD, O'Neil BJ, Woodard JL, Ayaz SI, Kulek A, Kas-Shamoun R, Mika V, Zuk C, Tomasello F, **Mondello S***. Combining Biochemical and Imaging Markers to Improve Diagnosis and Characterization of Mild Traumatic Brain Injury in the Acute Setting: Results from a Pilot Study. *PLoS One.* 2013 Nov 19;8(11):e80296. doi: 10.1371/journal.pone.0080296.
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- Ren C, Guingab-Cagmat J, Kobeissy F, Zoltewicz S, **Mondello S**, Gao M, Hafeez A, Li N, Geng X, Larner SF, Anagli J, Hayes RL, Ji X, Ding Y. A NeuroProteomic and Systems Biology Analysis of Rat Brain Post Intracerebral Hemorrhagic Stroke. *Brain Res Bull.* 2014 Mar;102:46-56. doi: 10.1016/j.brainresbull.2014.02.005.
- Zhang Z, Zoltewicz JS, **Mondello S**, Newsom KJ, Yang Z, Yang B, Kobeissy F, Guingab J, Glushakova O, Robicsek S, Heaton S, Buki A, Hannay J, Gold MS, Rubenstein R, Lu XC, Dave JR,

Schmid K, Tortella F, Robertson CS, Wang KK. Human Traumatic Brain Injury Induces Autoantibody Response against Glial Fibrillary Acidic Protein and Its Breakdown Products. PLoS One. 2014 Mar 25;9(3):e92698. doi: 10.1371/journal.pone.0092698.

***Mondello S**, Schmid K, Berger RP, Kobeissy F, Italiano D, Jeromin A, Hayes RL, Tortella FC, Buki A. The Challenge of Mild Traumatic Brain Injury: Role of Biochemical Markers in Diagnosis of Brain Damage. Med Res Rev. 2014 May;34(3):503-31. doi: 10.1002/med.21295.

Italiano D, Bramanti P, Mili D, **Mondello S**, Calabro RS. Ketotifen-induced nocturnal bruxism. Eur J Pediatr 2014 Dec;173(12):1585-6.

Fodale V, D'Arrigo MG, Triolo S, **Mondello S**, La Torre D. Anesthetic Techniques and Cancer Recurrence after Surgery. ScientificWorldJournal. 2014 Feb 6;2014:328513. eCollection 2014.

Mondello P, Pitini V, Arrigo C, **Mondello S**, Mian M, Altavilla G. Necrotizing fasciitis as a rare complication of osteonecrosis of the jaw in a patient with multiple myeloma treated with lenalidomide: case report and review of the literature. Springerplus. 2014 Mar 5;3:123. doi: 10.1186/2193-1801-3-123. eCollection 2014.

Italiano D, Ferlazzo E, Gasparini S, Spina E, **Mondello S**, Labate A, Gambardella A, Aguglia U. Generalized versus partial reflex seizures: A review. Seizure. 2014 Aug;23(7):512-520. doi: 10.1016/j.seizure.2014.03.014.

Barresi V, Branca G, Ieni A, Reggiani Bonetti L, Baron L, **Mondello S**, Tuccari G. Poorly differentiated clusters (PDCs) as a novel histological predictor of nodal metastases in pT1 colorectal cancer. Virchows Arch. 2014 Jun;464(6):655-62. doi: 10.1007/s00428-014-1580-z.

***Mondello S**, Cantrell A, Italiano D, Fodale V, Mondello P, Ang D. Complications of trauma patients admitted to the ICU in level I academic trauma centers in the United States. Biomed Res Int. 2014;2014:473419. doi: 10.1155/2014/473419.

Iati G, Pontoriero A, **Mondello S**, Brogna A, Di Pasquale A, Ielo I, Potami A, Messina G, De Renzis C, Pergolizzi S. Three-dimensional treatment planning for vaginal cuff brachytherapy: Dosimetric effects on organs at risk according to patients position. Brachytherapy. 2014 Nov-Dec;13(6):568-71

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- ***Mondello S**, Buki A, Barzo P, Randall J, Provuncher G, Hanlon D, Wilson D, Kobeissy F, Jeromin A. CSF and Plasma Amyloid- β Temporal Profiles and Relationships with Neurological Status and Mortality after Severe Traumatic Brain Injury. Sci Rep. 2014 Oct 10;4:6446. doi: 10.1038/srep06446. PMID: 25300247
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- G Brophy, **S Mondello**, L Papa, S. Robicsek, A. Gabrielli, J. Tepas, A. Buki, C. Robertson, FC Tortella, K. Wang, R. Hayes. Ubiquitin C-Terminal Hydrolase (UCH-L1): Correlations Exist Between Biofluid Kinetics and Clinical Outcome In Severe Traumatic Brain Injury Patients. NNS 2010: The 28th Annual National Neurotrauma Symposium, June 14-17, 2010, Las Vegas, Nevada. Abstracts Book p. A-21 P52. **Journal of Neurotrauma. May 2010; 27(5): A21-A21. Abstract n°P52.**

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E Ezer; **S. Mondello**; S.A. Robicsek, A. Gabrielli, G. Brophy, L. Papa, J. Tepas, C. Robertson, G. Robinson, E. Czeiter, A. Buki, R.L. Hayes, K.K.W. Wang. Brain Tissue Oxygenation and Putative Biomarkers In Severe Traumatic Brain Injury. ESICM 2010-23rd Annual Congress of the European Society of Intensive Care Medicine: October 9-13, 2010, Barcelona (Spain). **Intensive Care Medicine 2010, 36(2): S184, Abstract n°0395.**

***S. Mondello**; R Bullock; G Brophy; A Buki; J Streeter; Kara Schmid; FC Tortella; RL Hayes; KK Wang. Microtubule-Associated Protein-2: A New Sensitive and Specific Marker for Traumatic Brain Injury. 40th Critical Care Congress, Society of Critical Care Medicine's, January 15-19, 2011, San Diego, California, USA. **Crit Care Med 2010, 38(12)(Suppl.): U11-U11, Abstract n°36.**

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J. A. Demery, N. K. Dixit, **S. Mondello**, C.Carrin, L. Papa, K. K.W. Wang, J. Streeter, and R.L. Hayes. Serum Biomarker Levels Predict Memory Impairment Following Traumatic Brain Injury: A Pilot Study. 39th Annual Meeting International Neuropsychological Society. February 2-5, 2011. Boston, MA, USA. Abstracts Book p. 324.

***S. Mondello**; O Glushakova; R Bullock; J Mo; A Dellarole; Kara Schmid; FC Tortella; KK Wang; RL Hayes. Brain Damage Biomarkers in Cerebral Microdialysate: a Methodological Study. 2011 AANS Annual Meeting, April 9-13, 2011 Denver, CO, USA. **Journal of Neurosurgery. 2011 Aug; 115(2): A459-A459.**

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Printed in the August issue of the JOURNAL OF NEUROSURGERY

***S. Mondello**; Steve A. Robicsek; Andras Buki; Kevin K.W. Wang; Ronald L. Hayes; Andrea Gabrielli Neuronal Injury Serum

Biomarker UCH-L1 is a Stronger Predictor of Outcome following Traumatic Brain Injury than Head Computed Tomographic Classifications and Glasgow Coma Scale: Preliminary Considerations. 2011 Celebration of Research Poster Session, March 14, 2011 Hilton UF Conference Center, Gainesville, FL, USA.

***S. Mondello;** Steve A. Robicsek; Andras Buki; Kevin K.W. Wang; Ronald L. Hayes; Andrea Gabrielli. Elevation of Serum Glial and Neuronal Biomarkers after Severe Traumatic Brain Injury is Associated with Increased Intracranial Pressure in the first 24 hours. 2011 Celebration of Research Poster Session, March 14, 2011 Hilton UF Conference Center, Gainesville, FL, USA.

***S. Mondello;** R Bullock; A Buki; A Jeromin; L Papa; Kara Schmid; FC Tortella; KK Wang; RL Hayes. Diffuse Injury and Focal Mass Lesion are associated with Different Biomarker Profiles after severe traumatic brain injury. INTS 2011 Shanghai: 27 April – 1 May. Abstracts Book p. A-8 O20. **Journal of Neurotrauma. May 2011; 28(5): A8-A8. Abstract n° O20.**

***S. Mondello;** A Gabrielli; S Catani; M D'Ippolito; Kara Schmid; FC Tortella; KK Wang; RL Hayes; R Formisano. Role of serum biomarkers in individuals in coma or vegetative state after traumatic brain injury. INTS 2011 Shanghai: 27 April – 1 May. Abstracts Book p. A-8 O21. **Journal of Neurotrauma. May 2011; 28(5): A8-A8. Abstract n° O21.**

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RL Hayes; **S. Mondello;** KK Wang. Clinical studies of the utility of serum biomarkers for the diagnosis, prognosis, and Management of traumatic brain injury. INTS 2011 Shanghai: 27 April – 1 May. Abstracts Book p. A-24 O74. **Journal of Neurotrauma. May 2011; 28(5): A24-A24. Abstract n° O74.**

***** Abstract selected for an ORAL PRESENTATION**

***S. Mondello;** A Gabrielli; S Catani; M D'Ippolito; Kara Schmid; FC Tortella; KK Wang; RL Hayes; R Formisano. Predictive value of serum brain biomarker in chronic disorders of consciousness after severe neurotrauma: a case report. 5th European Federation of Neurological Societies (EFNS) Congress, Budapest, Hungary - September 10-13, 2011. **European Journal of Neurology, Sep 2011; 18, Special Issue, Supplement: 313-313. Abstract n° P1670.**

***S. Mondello;** A Gabrielli; S Catani; M D'Ippolito; Kara Schmid; FC Tortella; KK Wang; RL Hayes; R Formisano. Chronic sustained elevations of MAP-2 in serum of patients after Traumatic Brain Injury. Biochemical Markers of Brain Damage (BMBD), Lund, Sweden - May 9-11, 2011.

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K Schmid; A Buki; E Czeiter; FC Tortella; KK Wang; RL Hayes. ***S. Mondello.** Correlation between brain biomarkers and brain tissue oxygenation in patients with traumatic brain injury. Biochemical Markers of Brain Damage (BMBD), Lund, Sweden - May 9-11, 2011.

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A Jeromin; **S. Mondello**; R Bullock; A Buki; J Mo Sweaney, J Streeter; K Schmid; FC Tortella; RL Hayes; KK Wang. Interstitial brain injury biomarkers and inflammatory mediators following severe human traumatic brain injury. Biochemical Markers of Brain Damage (BMBD), Lund, Sweden - May 9-11, 2011.

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S. Yokobori, R. Bullock, S. Gajavelli, **S.Mondello**, J. Mo Sweaney, D. Scharf, K. K.W. Wang, R. L. Hayes, A. Sakurai, S.Tomura, H. Bramlett, D.Dietrich. Preoperative-induced mild hypothermia attenuates brain biomarkers in a rat subdural hematoma model. NNS 2011: The 29th Annual National Neurotrauma Symposium, Fort Lauderdale, July 10-13, 2011, Florida, USA. **Journal of Neurotrauma. Jun 2011; 28(6): A95-A95. Abstract n° P262.**

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***S. Mondello**; Steve A. Robicsek; Andras Buki; Kevin K.W. Wang; Ronald L. Hayes; Andrea Gabrielli. Elevation of Serum Glial and Neuronal Biomarkers after Severe Traumatic Brain Injury is Associated with Increased Intracranial Pressure in the first 24

hours. American Society of Anesthesiologists, ASA, Anesthesiology 2011, Chicago, IL, October 15-19, USA. Abstract n°A1017.

A. Gabrielli; A. Buki; E. Czeiter; K. Schmid; F. Tortella; K. K.W. Wang; R. L. Hayes; ***S. Mondello**. Brain damage biomarkers are correlated to brain tissue oxygenation in patients with severe traumatic brain injury: a case series. ESICM 2011- 24th Annual Congress of the European Society of Intensive Care Medicine: October 01-05, 2011, Berlin (Germany). **Intensive Care Medicine 2011, 37 (Supplement 1): S236. Abstract n°0923.**

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A. Ahmad, **S. Mondello**, R. Di Paola, E. Mazzon, E. Esposito, M.A. Catania, D. Italiano, P. Mondello, C. Aloisi, S. Cuzzocrea. Effects of Apocynin, a NADPH-Oxidase Inhibitor, in Contrast-Induced Nephropathy. XIV Congress of the European Shock Society Taormina, Giardini Naxos, August 31, September 2, 2011. **Shock 2011, 36(7) Suppl 2: 7, Abstract n°02.**

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***S. Mondello**; A Gabrielli; A Jeromin; S Catani; M D'Ippolito; FC Tortella; K Schmid; KK Wang; RL Hayes; R Formisano. MAP-2 in serum of Survivors at 6 Months after Severe Traumatic Brain Injury Correlates with Outcome. 2011 Annual Meeting - Neurocritical Care Society, Sept. 21-24, 2011, Montreal. **Neurocritical Care**

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***S. Mondello;** A Jeromin; J. Streeter; A Gabrielli; K Schmid; FC Tortella; KK Wang; RL Hayes. Glial Fibrillary Acidic Protein, a Sensitive and Specific Marker in Serum for the Identification of Intracerebral Hemorrhage in Acute Stroke Patients: Results of Improved Assay Performance. American Heart Association. November 12-16, 2011, Orlando, Florida. **Circulation. 124:A13492.**

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***S. Mondello;** A Buki; E Czeiter; A Jeromin; A Gabrielli; K Schmid; FC Tortella; KK Wang; RL Hayes. Analyses of Brain Damage Biomarkers in Patients with Penetrating Brain Injury: A Case Series Study. 41th Critical Care Congress, Society of Critical Care Medicine's, February 4-8, 2012, Houston, Texas, USA. **Crit Care Med 2011 Vol. 39, No. 12 (Suppl.) Abstract n°306.**

***S. Mondello;** A Gabrielli; S Catani; M D'Ippolito; JM Seane; K Schmid; FC Tortella; KK Wang; RL Hayes; R Formisano. Serum MAP-2 levels at 6 months after Severe Traumatic Brain Injury Correlate with Outcome. Ninth International Brain Injury Association (IBIA) World Congress, March 22-25, 2012, Edinburgh, Scotland. **Brain Injury 2012, Vol. 26, No. 4-5: 309-799. Abstract n°0781**

***S. Mondello;** A Jeromin; JM Seane; T Cram; K Schmid; FC Tortella; RL Hayes. Glial Neuronal Ratio (GNR): a Novel Index for Differentiating Injury Type in Patients with Severe Traumatic Brain Injury. 2nd Annual Traumatic Brain Injury Conference, March 6-7, 2012, Washington, D.C., USA

***S. Mondello;** B Yang; S Zoltewicz; A Gabrielli; S Catani; M D'Ippolito; JM Seane; K Schmid; FC Tortella; KK Wang; RL Hayes; R Formisano. Persistent vegetative state following severe traumatic brain injury ($GCS \leq 8$) is associated with brain-reactive antibodies in serum. The 30th Annual National Neurotrauma Society Meeting, July 22-25, 2012, Phoenix, Arizona, USA. **Journal of Neurotrauma. 29(10): A134-A134. Abstract n° C16.**

S Yokobori, R Bullock, S Gajavelli, **S Mondello**, KKW Wang, RL Hayes, H Bramlett, D Dietrich. Early induced hypothermia attenuates reperfusional neuronal and subsequent glial damages in a rat subdural hematoma model : a microdialysis study. The 30th Annual National Neurotrauma Society Meeting, July 22-25, 2012, Phoenix, Arizona, USA. **Journal of Neurotrauma. 29(10): A149-A150. Abstract n° C46.**

PM. Kochanek, HM. Bramlett, CE Dixon, DA Shear, **S Mondello**, K Schmid, WD Dietrich, KK. Wang, RL Hayes, JJ Povlishock, and

FC Tortella. Cross model comparison of behavior, neuropathology, and acute serum biomarkers after controlled cortical impact, parasagittal fluid percussion, and penetrating ballistic-like brain injury: Results from Operation Brain Trauma Therapy. The 30th Annual National Neurotrauma Society Meeting, July 22-25, 2012, Phoenix, Arizona, USA. **Journal of Neurotrauma. 29(10): A23-A23. Abstract n° OT04.**

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S Mondello*, PM. Kochanek, HM. Bramlett, CE Dixon, DA Shear, K Schmid, WD Dietrich, KK. Wang, RL Hayes, JJ Povlishock, and FC Tortella. Differential Effect of Nicotinamide on Circulating Damage Marker Profiles Following Controlled Cortical Impact, Parasagittal Fluid Percussion, and Penetrating Ballistic-Like Brain Injury: Results from Operation Brain Trauma Therapy. The 30th Annual National Neurotrauma Society Meeting, July 22-25, 2012, Phoenix, Arizona, USA. **Journal of Neurotrauma. 29(10): A48-A48. Abstract n° A42.**

HY Yan, PM. Kochanek, **S Mondello**, XC Ma, J Henschir, M Xu, K Janesko-Feldman, RL Hayes, KK. Wang, CE Dixon. Effect of nicotinamide on behavioral, neuropathological, and biomarker outcomes after controlled cortical impact in rats: an Operation Brain Trauma Therapy Consortium Study. The 30th Annual National Neurotrauma Society Meeting, July 22-25, 2012, Phoenix, Arizona, USA. **Journal of Neurotrauma. 29(10): A58-A58. Abstract n° A59.**

OY Glushakova, A Jeromin, D Johnson, J Martinez, RL Hayes, **S Mondello***. CSF protein biomarker panel for assessment of neurotoxicity. The 30th Annual National Neurotrauma Society Meeting, July 22-25, 2012, Phoenix, Arizona, USA. **Journal of Neurotrauma. 29(10): A196-A196. Abstract n° D42.**

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PM Kochanek, HM. Bramlett, CE Dixon, DA Shear, **S Mondello**, K Schmid, WD Dietrich, KK. Wang, RL Hayes, JJ Povlishock, and FC Tortella. Cross model comparison of behavior, neuropathology, and acute serum biomarkers after controlled cortical impact, parasagittal fluid percussion, and penetrating ballistic-like brain injury: Results from Operation Brain Trauma Therapy. MHSRS/ATACCC. The 2012 Military Health System Research Symposium, 13-16 August 2012, Fort Lauderdale, Florida, USA.

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S Mondello*, R Constantinescu, H Zetterberg, B Holmberg, A Jeromin. UCHL-1 Levels in Cerebrospinal Fluid of Patients with Parkinson's Disease and Atypical Parkinsonian Disorders. Biomarkers for Brain Disorders: Challenges and Opportunities. Møller Centre, Churchill College, Cambridge, UK, 3-5 February 2013.

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***S Mondello**, Buki A, Italiano D, Jeromin A. CSF ALPHA-SYNUCLEIN TEMPORAL PROFILES CORRELATE WITH OUTCOME IN PATIENTS WITH SEVERE TRAUMATIC BRAIN INJURY. 3rd Annual Traumatic Brain Injury Conference, Washington, DC, March 6-7, 2013.

Glushakova OY, **Mondello S**, Johnson D, Heldermon C, Streeter J, Hayes RL. Protein Biomarker Panel of Cisplatin-Induced Neurotoxicity in a Preclinical Model. SOT 52nd Annual Meeting, (Society of Toxicology), March 10-14, 2013, San Antonio, Texas.

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***Mondello S**, Buki A, Italiano D, Tomasello F, Jeromin A. AMYLOID- β IN CSF PREDICT NEUROLOGICAL STATUS AND MORTALITY AFTER SEVERE TRAUMATIC BRAIN INJURY: RESULTS OF A PILOT STUDY. XXI World Congress of Neurology (WCN2013), Vienna, Austria, September 21–26, 2013.

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***Mondello S**, Italiano D, Jeromin A, Hayes R, Tomasello F. Novel Sensitive Assay Improves Diagnostic Accuracy of Serum GFAP for the Identification of Intracerebral Hemorrhage in Acute Stroke Patients. The 12th European Congress of Internal Medicine, which will take place in Prague Congress Centre, Czech Republic, from October 2-5, 2013.

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Bramlett HM, Furones-Alonso O, Sanchez-Molano J, Sequeira D, Moreno W, Wang KK, **Mondello S**, Hayes RL, Dietrich WD. OPERATION BRAIN TRAUMA THERAPY CONSORTIUM: DOSE-RESPONSE EVALUATION OF ERYTHROPOIETIN IN THE MIAMI FLUID PERCUSSION MODEL OF TRAUMATIC BRAIN INJURY. The 31th Annual National Neurotrauma Society Meeting, August 4–7, 2013, Nashville, Tennessee,

USA. **Journal of Neurotrauma**. Aug 2013; 30: A156-A156. Abstract n° D138.

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Dixon CE, Yan HQ, Ma X, **Mondello S**, Empey PE, Poloyac SM, Janesko-Feldman K, KK. Wang, RL Hayes, Kochanek PM. OPERATION BRAIN TRAUMA THERAPY CONSORTIUM: DOSE-RESPONSE EVALUATION OF CYCLOSPORINE A IN THE PITTSBURGH CONTROLLED CORTICAL IMPACT MODEL OF TRAUMATIC BRAIN INJURY. The 31th Annual National Neurotrauma Society Meeting, August 4–7, 2013, Nashville, Tennessee, USA. **Journal of Neurotrauma**. Aug 2013; 30: A159-A159. Abstract n° D143.

Dixon CE, Yan HQ, Ma X, **Mondello S**, Empey PE, Poloyac SM, Janesko-Feldman K, KK. Wang, RL Hayes, Kochanek PM. OPERATION BRAIN TRAUMA THERAPY CONSORTIUM: DOSE-RESPONSE EVALUATION OF ERYTHROPOIETIN IN THE PITTSBURGH CONTROLLED CORTICAL IMPACT MODEL OF TRAUMATIC BRAIN INJURY. The 31th Annual National Neurotrauma Society Meeting, August 4–7, 2013, Nashville, Tennessee, USA. **Journal of Neurotrauma**. Aug 2013; 30: A159-A160. Abstract n° D144.

***Mondello S**, Bramlett HM, Dixon CE, Shear DA, Schmid K, Dietrich WD, Wang KK, Hayes RL, Tortella FC, Kochanek PM. CHARACTERIZATION OF TBI MODELS AND EVALUATION OF THE THERAPEUTIC EFFICACY OF NICOTINAMIDE, ERYTHROPOIETIN AND CYCLOSPORINE A USING BIOCHEMICAL MARKERS OF BRAIN INJURY: RESULTS FROM OPERATION BRAIN TRAUMA THERAPY. The 31th Annual National Neurotrauma Society Meeting, August 4–7, 2013, Nashville, Tennessee, USA. **Journal of Neurotrauma**. Aug 2013; 30: A167-A167. Abstract n° D154.

Shear DA, Deng-Bryant Y, Pedersen R, Sun J, **Mondello S**, Wang KK, Hayes RL, Schmid K, Tortella FC. OPERATION BRAIN TRAUMA THERAPY CONSORTIUM: DOSE-RESPONSE EVALUATION OF CYCLOSPORINE A IN THE WRAIR PENETRATING BALLISTIC-LIKE BRAIN INJURY (PBBI) MODEL. The 31th Annual National Neurotrauma Society Meeting, August 4–7, 2013, Nashville, Tennessee, USA. **Journal of Neurotrauma**. Aug 2013; 30: A170-A171. Abstract n° D164.

Shear DA, Deng-Bryant Y, Pedersen R, Sun J, **Mondello S**, Wang KK, Hayes RL, Schmid K, Tortella FC. OPERATION BRAIN

TRAUMA THERAPY CONSORTIUM: DOSE-RESPONSE EVALUATION OF ERYTHROPOIETIN IN THE WRAIR PENETRATING BALLISTIC-LIKE BRAIN INJURY (PBBi) MODEL. The 31th Annual National Neurotrauma Society Meeting, August 4–7, 2013, Nashville, Tennessee, USA. **Journal of Neurotrauma. Aug 2013; 30: A171-A171. Abstract n° D165.**

***Mondello S**, Bramlett HM, Dixon CE, Shear DA, Schmid K, Dietrich WD, Wang KK, Hayes RL, Tortella FC, Kochanek PM. Characterization of TBI Models and Evaluation of Efficacy of Nicotinamide, Erythropoietin, and Cyclosporine-A using Serum Biomarkers: Results from Operation Brain Trauma Therapy. MHSRS - The 2013 meeting of the Medical Health Service Research Symposium, 12-15 August 2013, Fort Lauderdale, Florida, USA.

*****Abstract selected for an ORAL PRESENTATION**

***Mondello S**, Bramlett HM, Dixon CE, Shear DA, Schmid K, Dietrich WD, Wang KK, Hayes RL, Tortella FC, Kochanek PM. Characterization of TBI Models and Evaluation of Efficacy of Nicotinamide, Erythropoietin, and Cyclosporine-A using Serum Biomarkers: Results from Operation Brain Trauma Therapy. INTS 2014 - The 11th Symposium of the International Neurotrauma Society. Budapest, Hungary. 19- 23 March, 2014. **Journal of Neurotrauma. March 2014; 31(5): A35-A35. Abstract n 114.**

*****Abstract selected for an ORAL PRESENTATION**

***Mondello S**, Bramlett HM, Dixon CE, Shear DA, Schmid K, Dietrich WD, Wang KK, Hayes RL, Tortella FC, Kochanek PM. Characterization of TBI Models and Evaluation of Efficacy of Nicotinamide, Erythropoietin, and Cyclosporine-A using Serum Biomarkers: Results from Operation Brain Trauma Therapy. INTS 2014 - The 11th Symposium of the International Neurotrauma Society. Budapest, Hungary. 19- 23 March, 2014. **Journal of Neurotrauma. March 2014; 31(5): A34-A34. Abstract n 113.**

S. Hellewell, **S. Mondello**, A. Conquest, S. Vallance, J. Board, D. J. Cooper, M.C. Morganti-Kossmann Measurement of biomarkers of brain damage in TBI patients recruited to the EPO-TBI randomised clinical trial. INTS 2014 - The 11th Symposium of the International Neurotrauma Society. Budapest, Hungary. 19- 23 March, 2014. **Journal of Neurotrauma. March 2014; 31(5): A34-A34. Abstract n 113.**

***Mondello S.**; K Schmid; FC Tortella; L Glass. Emerging Role of Blood Biomarkers in TBI Clinical Trials: Initial Findings from the Phase II INTREPID2566 Trial. 4th Annual Traumatic Brain Injury Conference, March 16-17, 2014, Washington, D.C., USA

*****Abstract selected for an ORAL PRESENTATION**

***Mondello S**, Buki A, Randall J, Provuncher J, Hanlon D, Wilson D, Jeromin A. Temporal Profiles of CSF and Plasma Amyloid- β in Patients with Severe Traumatic Brain Injury: Relationships with

***Mondello S**, Shear DA, Bramlett HM, Dixon CE, Schmid K, Dietrich WD, Wang KK, Hayes RL, Tortella FC, Kochanek PM. Comparison of TBI Models Using Brain Damage Markers, and Histological and Behavioural Outcomes in Operation Brain Trauma Therapy. The 32nd Annual National Neurotrauma Symposium, June 29-July 2, 2014, San Francisco, California. **Journal of Neurotrauma. June 2014; 31(12): A120-A120. Abstract n D2-21.**

Kochanek PM, Bramlett HM, Shear DA, Dixon CE, Dietrich WD, Poloyac S, Empey P, **Mondello S**, Wang KK, Hayes RL, Povlishock JT, Tortella FC. MULTICENTER COMPARISON OF FIVE THERAPIES ACROSS THREE RAT MODELS OF TBI REVEALS THERAPEUTIC POTENTIAL FOR LEVETIRACETAM: STUDIES FROM OPERATION BRAIN TRAUMA THERAPY. The 32nd Annual National Neurotrauma Symposium, June 29-July 2, 2014, San Francisco, California. **Journal of Neurotrauma. June 2014; 31(12): A105-A105. Abstract n D1-14.**

Huang X, Glushakova O, **Mondello S**, Van, K, Hayes RL, Lyeth B. GFAP FRAGMENT BIOMARKERS AFTER TBI: EVIDENCE FOR ACUTE ASTROCYTE PATHOLOGY. The 32nd Annual National Neurotrauma Symposium, June 29-July 2, 2014, San Francisco, California. **Journal of Neurotrauma. June 2014; 31(12): A33-A33. Abstract n A4-01.**

Kochanek PM, Bramlett HM, Shear DA, Dixon CE, Dietrich WD, Poloyac S, Empey P, **Mondello S**, Wang KK, Hayes RL, Povlishock JT, Tortella FC. MULTICENTER COMPARISON OF FIVE THERAPIES ACROSS THREE RAT MODELS OF TBI REVEALS THERAPEUTIC POTENTIAL FOR LEVETIRACETAM: STUDIES FROM OPERATION BRAIN TRAUMA THERAPY. MHSRS/ATACCC. The 2014 Military Health System Research Symposium, 18-21 August 2014, Fort Lauderdale, Florida, USA.

***Mondello S.**; K Schmid; FC Tortella; L Glass. Emerging Role of Blood Biomarkers in TBI Clinical Trials: Initial Findings from the Phase II INTREPID2566 Trial. MHSRS/ATACCC. The 2014 Military Health System Research Symposium, 18-21 August 2014, Fort Lauderdale, Florida, USA.

*****Abstract selected for an ORAL PRESENTATION**

*****Abstract selected for the Young Investigator (YI) Competition**

***Mondello S.**; K Schmid; FC Tortella; L Glass. Clinical Utility of Brain Injury Markers in TBI Clinical Trials: Findings from the INTREPID2566 Trial. 44th Critical Care Congress, January 17-21, 2015, Phoenix, Arizona, USA. **Crit Care Med 2014 Vol. 42, No.12 (suppl): A1494. Abstract n°558. doi: 10.1097/01.ccm.0000458055.62213.99**

S. Messina, M. Russo, C. Profazio, S. La Foresta, **S. Mondello**, G.L. Vita, M. Sframeli, M.G. Di Stefano, M. La Rosa, C. Barcellona, C. Faraone, C. Rodolico, A. Toscano, P. Ruggeri, G. Vita. FATTORI PREDITTIVI DELLA TOLLERANZA ALLA VENTILAZIONE NON INVASIVA NELLA SCLEROSI LATERALE AMIOTROFICA. Congresso SIN Sicilia, 12-13 Dicembre 2014, Messina, Italy.

***Mondello S**, Bowser R, Vestri A, Madorsky I, Deng J, Kobeissy F, Jeromin A, Shaw G. Differential Patterns of Release of Biomarkers of Brain Injury are Associated with Different Types of Lesion after Mild Traumatic Brain Injury. Biomarkers for Brain Disorders - WT Scientific conferences. Biomarkers for Brain Disorders: Challenges and Opportunities. 1-3 February 2015. Wellcome Trust Genome Campus, Hinxton, Cambridge, UK.

***Mondello S**, Kobeissy F, Vestri A, Hayes RL, Kochanek PM, Berger RP. Serum concentrations of Ubiquitin C-Terminal Hydrolase-L1 and Glial Fibrillary Acidic Protein after Pediatric TBI. International Conference on Paediatric Acquired Brain Injury. 16-18 September, 2015, Liverpool, England.

Thelin E, Jeppsson E, Nelson D, **Mondello S**, Svensson M, Bellander B. NEURON-SPECIFIC ENOLASE IS SIGNIFICANTLY CORRELATED TO OUTCOME POST TRAUMATIC BRAIN INJURY, ALBEIT NOT IN PRESENCE OF SERUM S100B. Neurotrauma Symposium, 2015 Symposium. June 28 - July 1, 2015. Santa Fe, New Mexico. **Journal of Neurotrauma. June 15, 2015, 32(12): A30-A30. Abstract n A5-04.**

Halford J Itamura K, Levine J, Loo J, Glenn T, Hovda D, Bullock R, Dietrich D, **Mondello S**, Wanner I. A NEW PANEL OF HUMAN ASTROGLIAL NEUROTRAUMA BIOMARKERS AND TRAUMA RELEASE MECHANISMS Neurotrauma Symposium, 2015 Symposium. June 28 - July 1, 2015. Santa Fe, New Mexico. **Journal of Neurotrauma. June 15, 2015, 32(12): A33-A33. Abstract n A5-11.**

***Mondello S**, Browning M, Shear DA, Bramlett HM, Dixon CE, Schmid K, Dietrich WD, Wang KK, Hayes RL, Tortella FC, Kochanek PM. Biomarker Profiles Support a Neuroprotective Effect of Levetiracetam in TBI: findings from Operation Brain Trauma Therapy. Neurotrauma Symposium, 2015 Symposium. June 28 - July 1, 2015. Santa Fe, New Mexico. **Journal of Neurotrauma. June 15, 2015, 32(12): A118-A119. Abstract n D8-16.**

Osier N, Yan HQ, Ma X, **Mondello S**, Empey P, Poloyac S, Feldman K, Wang K, Hayes R, Kochanek PM, Dixon CE. EVALUATION OF KOLLIDON VA-64 IN THE CONTROLLED CORTICAL IMPACT MODEL OF TRAUMATIC BRAIN INJURY: AN OBTT CONSORTIUM STUDY. Neurotrauma Symposium, 2015 Symposium. June 28 - July 1, 2015. Santa Fe, New Mexico. **Journal of Neurotrauma. June 15, 2015, 32(12): A120-A120. Abstract n D8-19.**

Caudle K, **Mondello S**, Gilsdorf J, Tortella F, Shear D. EVALUATION OF KOLLIDON VA64 IN THE WRAIR PBBI MODEL: STUDIES FROM THE OPERATION BRAIN TRAUMA THERAPY (OBTT)

CONSORTIUM. Neurotrauma Symposium, 2015 Symposium. June 28 - July 1, 2015. Santa Fe, New Mexico. **Journal of Neurotrauma. June 15, 2015, 32(12): A121-A121. Abstract n D8-23.**

Deng-Bryant Y, **Mondello S**, Leung L, Gilsdorf J, Pedersen R, Sun J, Flerlage W, Tortella FC, Shear DA. Evaluation of Glibenclamide in the WRAIR PBBI Model: Studies from the Operation Brain Trauma Therapy (OBTT) Consortium. Neurotrauma Symposium, 2015 Symposium. June 28 - July 1, 2015. Santa Fe, New Mexico. **Journal of Neurotrauma. June 15, 2015, 32(12): A122-A122. Abstract n D8-26.**

***Mondello S**, Browning M, Shear DA, Bramlett HM, Dixon CE, Schmid K, Dietrich WD, Wang KK, Hayes RL, Tortella FC, Kochanek PM. Biomarker Profiles Support a Neuroprotective Effect of Levetiracetam in TBI: findings from Operation Brain Trauma Therapy. Biomarker profiles support a neuroprotective effect of Levetiracetam in TBI: findings from Operation Brain Trauma Therapy. MHSRS/ATACCC. The 2015 Military Health System Research Symposium, 17-20 August 2015, Fort Lauderdale, Florida, USA.

*****Abstract selected for an ORAL PRESENTATION**

Caudle K, **Mondello S**, J Gidford, Tortella FC, Shear DA. Evaluation of Kollidon VA64 in the WRAIR PBBI Model: Studies from the Operation Brain Trauma Therapy. MHSRS/ATACCC. The 2015 Military Health System Research Symposium, 17-20 August 2015, Fort Lauderdale, Florida, USA. MHSRS-15-0356.

*****Abstract selected as best poster (1st place) session.**

Deng-Bryant Y, **Mondello S**, Leung L, Gilsdorf J, Tortella FC, Shear DA. Evaluation of Glibenclamide in the WRAIR PBBI Model: Studies from the Operation Brain Trauma Therapy (OBTT) Consortium. MHSRS/ATACCC. The 2015 Military Health System Research Symposium, 17-20 August 2015, Fort Lauderdale, Florida, USA. MHSRS-15-0702.

Wanner IB, Halford J, Itamura K, Levine J, Shen S, Loo JA, Glenn TC, **Mondello S**, Dietrich DW, Barazangi K, Gigliotti A, Mayer AW. Acute traumatic injury to human and porcine astrocytes associates with new biomarker release and proteolytic cleavage. Neuroscience 2015 - Society for Neuroscience, Oct.17-21, Chicago, Illinois, USA.

Toscano A, Montagnese E, Granata F, Rodolico C, **Mondello S**, Cucinotta M, Ciranni A, Longo M, Musumeci O. Intracranial arterial abnormalities in patients with late onset Pompe disease. NEUROMUSCULAR DISORDERS 25(2): S190-S190. Abstract n G.P.13.

***Mondello S**, Xanthopoulos P, Korenkevych D, Mujahid SN, Czeiter E, Barzo P, Tortella FC, Hayes RL, Pardalos P, Buki A. Multimodal Monitoring And Outcome Prediction After Traumatic Brain Injury Using Support Vector Machines. 12th Symposium of the International Neurotrauma Society (INTS), 1-4 February 2016, Cape Town, South Africa.

***Mondello S**, Shear DA, Bramlett HM, Dixon CE, Schmid K, Dietrich WD, Wang KK, Hayes RL, Tortella FC, Kochanek PM. The Potential Utility of Brain Injury Biomarker In Pre-clinical Drug Screening By Operation Brain Trauma Therapy. 12th Symposium of the International Neurotrauma Society (INTS), 1-4 February 2016, Cape Town, South Africa.

*****Abstract selected for an ORAL PRESENTATION**

***Mondello S**, Czeiter E, Sorinola A, Vámos Z, Synnot A, Sándor J, Wang K.K.W., Menon D.K., Maas A. I.R., Buki A. Circulating Brain Damage Markers For The Diagnosis And Outcome Prediction Of Traumatic Brain Injuries. 12th Symposium of the International Neurotrauma Society (INTS), 1-4 February 2016, Cape Town, South Africa.

z*Abstract selected for an ORAL PRESENTATION**

Hellewell, S., **Mondello, S.**, Conquest, A., Bellomo, R., Cooper, J., Vallance, S., Board, J., Morganti-Kossmann, C. Assessing the clinical utility and theragnostic potentials of biomarkers of traumatic brain injury: findings from the EPO-TBI clinical trial. 12th Symposium of the International Neurotrauma Society (INTS), 1-4 February 2016, Cape Town, South Africa.

Synnot, A, Gruen RL, Cnossen MC, Brazinova A, **Mondello S**, McFadyen C, Thomas J, Shemilt I, Parkhill A, Donoghue E, Menon D, Maas AI. *Operationalising Living Systematic Reviews: lessons from a large-scale pilot in traumatic brain injury*. 24th Cochrane Colloquium, 23 - 27 October, 2016, Seoul, South Korea.

*****Abstract selected for LONG ORAL PRESENTATION**

***Mondello S**, Shear DA, Bramlett HM, Dixon CE, Schmid K, Dietrich WD, Wang KK, Hayes RL, Tortella FC, Kochanek PM. Differential Release Kinetics of Brain Injury Biomarkers across TBI Models: Findings from Operation Brain Trauma Therapy. MHSRS/ATACCC. The 2016 Military Health System Research Symposium, 15-18 August 2016, Orlando/Kissimmee, Florida, USA.

Kochanek PM, Bramlett HM, Dixon CE, Shear DA, Dietrich WD, **Mondello S**, Hayes RL, Wang KK, Povlishock J, Lafrenaye A, Tortella FC,. OPERATION BRAIN TRAUMA THERAPY: SYNOPSIS OF THE FIRST NINE THERAPIES IN MULTI-CENTER PRE-CLINICAL DRUG SCREENING. MHSRS/ATACCC. The 2016 Military Health System Research Symposium, 15-18 August 2016, Orlando/Kissimmee, Florida, USA.

*****Abstract selected for an ORAL PRESENTATION**

Rising S, Pedersen R, Sun J, Browning J, Gilsdorf J, Tortella F, **Mondello S**, Shear D. Dose-response evaluation of amantadine in the WRAIR PBBI model: studies from the Operation Brain Trauma Therapy (OBTB) consortium. MHSRS/ATACCC. The 2016 Military Health System Research Symposium, 15-18 August 2016, Orlando/Kissimmee, Florida, USA.

Browning J, Deng-Bryant Y, Madathil S, Pedersen R, Sun J, Hahn J, Gilsdorf J, Tortella F, **Mondello S**, Shear D. EVALUATION OF AER-271 IN THE WRAIR PBB1 MODEL: STUDIES FROM THE OPERATION BRAIN TRAUMA THERAPY CONSORTIUM. Neurotrauma Symposium, 2016 Symposium. 26 – 29 June, 2016. Lexington, Kentucky. **Journal of Neurotrauma. June 2016, 33(13): A64-A64. Abstract n PSA-145.**

***Mondello S**, Shear DA, Bramlett HM, Dixon CE, Dietrich WD, Wang KK, Hayes RL, Tortella FC, Kochanek PM. TIME COURSE OF BRAIN INJURY BIOMARKERS ACROSS TBI MODELS: FINDINGS FROM OPERATION BRAIN TRAUMA THERAPY. Neurotrauma Symposium, 2016 Symposium. 26 – 29 June, 2016. Lexington, Kentucky. **Journal of Neurotrauma. June 2016, 33(13): A64-A64. A83-A83. Abstract n PSB-196.**

Okada-Rising S, Pedersen R, Sun J, Browning J, Gilsdorf J, Tortella F, **Mondello S**, Shear D. DOSE-RESPONSE EVALUATION OF AMANTADINE IN THE WRAIR PBB1 MODEL: STUDIES FROM THE OPERATION BRAIN TRAUMA THERAPY (OBT) CONSORTIUM. Neurotrauma Symposium, 2016 Symposium. 26 – 29 June, 2016. Lexington, Kentucky. **Journal of Neurotrauma. June 2016, 33(13): A64-A64. A127-A127. Abstract n PSB-320.**

Kochanek PM, Bramlett HM, Dixon CE, Shear DA, Dietrich WD, **Mondello S**, Hayes RL, Wang KK, Povlishock J, Lafrenaye A, Tortella FC,. OPERATION BRAIN TRAUMA THERAPY: SYNOPSIS OF THE FIRST NINE THERAPIES IN MULTI-CENTER PRE-CLINICAL DRUG SCREENING. Neurotrauma Symposium, 2016 Symposium. 26 – 29 June, 2016. Lexington, Kentucky. **Journal of Neurotrauma. June 2016, 33(13): A64-A64. A135-A135. Abstract n PSB-343.**

Montagnese F, **Mondello S**, Wenninger S, Schoser B. Assessing the impact of gender on the phenotype of myotonic dystrophy type 2: a cohort of 307 patients. **3rd Congress of the European Academy of Neurology - Amsterdam, June 24–27, 2017. EUROPEAN JOURNAL OF NEUROLOGY . 24 Supplement 1 Pages: 96-96 Meeting Abstract: O3215.**

Buki A, Sorinola A, **Mondello S**, Czeiter E, Sándor J. Outcome prediction in traumatic brain injury. Euro Academia Multidisciplinaria Neurotraumatologica (EMN). 22ND Annual Congress - New Prospectives in Traumatology. May 25th-27th, 2017, Pavia, Italia.

***Mondello S**, Sorinola A, Czeiter E, Sándor J, Buki A. Clinical Studies of the Utility of Circulating Brain Damage Markers for the Diagnosis of Traumatic Brain Injuries. Euro Academia Multidisciplinaria Neurotraumatologica (EMN). 22ND Annual Congress - New Prospectives in Traumatology. May 25th-27th, 2017, Pavia, Italia.

Kochanek PM, Bramlett HM, Dixon CE, Tortella FC, Dietrich WD, **Mondello S**, Hayes RL, Wang KK, Povlishock J, Lafrenaye A, Poloyac S, Empey P, Gilsdorf J, Shear DA. Overview of the first 12 therapies being evaluated by Operation Brain Trauma Therapy, a pre-clinical multi-center drug and biomarker screening consortium for traumatic brain injury. MHSRS/ATACCC. The 2017 Military Health System Research Symposium, 27-30 August 2017, Orlando/Kissimmee, Florida, USA.

***Mondello S**, Abou Abbass H, Bahmad H, Kobiessy F, Phipps H. Patterns in the Epidemiology and Cost of US Military Blast Traumatic Brain injury (TBI). MHSRS/ATACCC. The 2017 Military Health System Research Symposium, 27-30 August 2017, Orlando/Kissimmee, Florida, USA.

Kochanek PM, Bramlett HM, Dixon CE, Tortella FC, Dietrich WD, **Mondello S**, Hayes RL, Wang KK, Povlishock J, Lafrenaye A, Poloyac S, Empey P, Gilsdorf J, Shear DA. Overview of the first 12 therapies evaluated by Operation Brain Trauma Therapy, a pre-clinical multi-center consortium for TBI. The 35th Annual National Neurotrauma Symposium (Neurotrauma 2017), July 7-12, 2017, Snowbird, UT, USA. **Journal of Neurotrauma. July 2017, 34: A77-A77. Abstract n A22-07.**

***Mondello S**, Shear DA, Bramlett HM, Dixon CE, Dietrich WD, Hayes RL, Wang KK, Povlishock J, Lafrenaye A, Tortella FC, Kochanek PM. Circulating GFAP Levels to Monitor Therapeutic Response to Glibenclamide in a Rat Model of Cortical Contusion Injury: Findings from Operation Brain Trauma Therapy. The 35th Annual National Neurotrauma Symposium (Neurotrauma 2017), July 7-12, 2017, Snowbird, UT, USA. **Journal of Neurotrauma. July 2017, 34: A26-A26. Abstract n A06-08.**

*****Abstract selected for PRESENTATION during the Data Blitz session**

Lafrenaye A, Wang KK, **Mondello S**, Hayes RL, Gorse K, Walker S, Ogino Y, Kochanek PM, Povlishock J. Operation Brain Trauma Therapy: Levetiracetam treatment for traumatic brain injury in the micro pig. The 35th Annual National Neurotrauma Symposium (Neurotrauma 2017), July 7-12, 2017, Snowbird, UT, USA. **Journal of Neurotrauma. July 2017, 34: A110-A110. Abstract n B08-20.**

Hawkins B.E., **Mondello S**, Dixon C.E, Kochanek P.M, DeWitt D.S. Roadmap for Successful Translational Preclinical Traumatic Brain Injury Therapy Testing. The 35th Annual National Neurotrauma Symposium (Neurotrauma 2017), July 7-12, 2017, Snowbird, UT, USA. **Journal of Neurotrauma. July 2017, 34: A76-A76. Abstract n A22-05.**

VanMeter T, Halford J, Chong A, Mirshahi N, Shaw G, Veksler R, **Mondello S**, Meier T, Mayer A, Friedman A, Korley F, Wanner I. Astroglial cell wounding biomarker Aldolase C is robustly elevated in mild TBI patients. The 35th Annual National Neurotrauma Symposium (Neurotrauma 2017), July 7-12, 2017,

Snowbird, UT, USA. **Journal of Neurotrauma. July 2017, 34: A28-A28. Abstract n A06-14.**

***Mondello S**, Sorinola A, Czeiter E, Sándor J, Buki A. Clinical Studies of the Utility of Blood-based Protein Biomarker as Diagnostic Signatures for Traumatic Brain Injury. 17th European Congress of Neurosurgery, October 1 – 5, 2017, Venice, Italy.

Mondello S,* Montagnese F, Wenninger S, Schoser B, AV Vestri. A study of the Clinical Phenotype of Patients with Myotonic Dystrophy type 2 (DM2) in Germany. IX Congresso SISMEC – September 13-16, 2017, Gargnano (BS).

Cicero, G; **Mondello, S**; Blandino, A.; Ascenti, G.; D'Angelo, T.; Mazziotti, S. Annual Meeting of the European Society of Radiology - ECR 2018, February 28 – March 4, 2018, Vienna, Austria. BOOK OF ABSTRACTS. DOI:10.1007/s13244-018-0603-8. pp.1-642-642. In INSIGHTS INTO IMAGING - ISSN:1869-4101 vol. 9 (Suppl 1). B-1536.

*****Abstract selected for an ORAL PRESENTATION**

Calin ECR 2018. The Effect of Body Position and Probe Position on the Localization of Breast Mass in Free-Hand Breast Ultrasound Examination. Annual Meeting of the European Society of Radiology - ECR 2018, February 28 – March 4, 2018, Vienna, Austria.

Loo J, Shen S, Czerwieniec G, Halford J, **Mondello S**, Meier T, Mayer A Wanner I. Traumatomes expose astroglial injury stages and new biomarkers that predict severity and outcome after traumatic brain injury. The American Society for Neurochemistry (ASN) 2018 Annual Meeting. March 24-28, 2018, Riverside, Ca, United States.

***Mondello S**, Kobaissy F, Mechref Y, Zhao J, Talih FR, Cosentino F, Antelmi E, Moresco M, Plazzi G, Ferri R. Identification of Novel Candidate Biomarkers for RLS by Proteomic Analysis. IRLSSG 2018 Annual Meeting, 1 2018, Baltimore, US.

*****Abstract selected for an ORAL PRESENTATION Not added in the count**

***Mondello S**, Kobaissy F, Mechref Y, Zhao J, Talih FR, Cosentino F, Antelmi E, Moresco M, Plazzi G, Ferri R. Identification of Novel Candidate Biomarkers for RBD by Proteomic Analysis. 32nd Annual Meeting of the Associated Professional Sleep Societies, SLEEP 2018 Meeting, 2-6 June 2018, Baltimore, US. **SLEEP 41, A253-A254, 2018**

***Mondello S**, Kobaissy F, Mechref Y, Zhao J, Talih FR, Cosentino F, Antelmi E, Moresco M, Plazzi G, Ferri R. Identification of Novel Candidate Biomarkers for RLS by Proteomic Analysis. SLEEP 2018 Meeting, 2-6 June 2018, Baltimore, US. TO BE SUBMITTED **Not added in the count**

Jingfu Z, Kobaissy F, Talih F, Ferri R., Yehia Mechref, **Mondello S***. Proteomic Study of Idiopathic REM Sleep Behavior Disorder and Restless Leg Syndrome Using LC-MS/MS for Candidate Biomarker Identification. 66th ASMS Conference on Mass

Spectrometry and Allied Topics, June 3-7, 2018, San Diego, CA, USA.

Xue D, **Mondello S***, Kobeissy F, Talih F, Ferri R., Yehia Mechref. Discovery of Novel N-glycan Biomarkers for Idiopathic REM Sleep Behavior Disorder by LC-MS/MS. 66th ASMS Conference on Mass Spectrometry and Allied Topics, June 3-7, 2018, San Diego, CA, USA.

Holmström U, Tsitsopoulos P, Salci K, Holtz A, Shaw G, **Mondello S**, Marklund N. Increased CSF GFAP levels in surgically treated SCI patients with progressive neurological deterioration due to tethered cord and/or syringomyelia. The 57th International Spinal Cord Society Annual Scientific Meeting, ISCoS 2018, 13-15 September, Sydney, Australia.

ABOU-ABBASS Hussein, GHANNAM Maysaa, CHEHADEH Rawan, HAMMOUD Zeinab, KAROUT Lina, MONDELLO Stefania, NASSER Zeina, KOBEISSY Firas, HARATI Hayat. Determinants of Aggressive Behavior among Syrian Refugees in Lebanon. MEMA 2018 - Mental Health Across life span, 2018, 13-15 April, AUB, Beirut, Lebanon.

***Mondello S**, Kevin K. Wang, Cheryl Wellington, Jamie Hutchison, András Büki, Endre Czeiter, Roberto Latini, Ava Puccio, David Okonkwo, Ramon Diaz-Arrastia, InTBIR Biomarkers Working Group. International Regulatory Pathways for TBI Biomarker Qualification: Perspectives from the InTBIR Biomarker Working Group. The 3rd Joint Symposium of the International and National Neurotrauma Societies and AANS/CNS Section on Neurotrauma and Critical Care August 11–16, 2018 Toronto, Canada. **Journal of Neurotrauma 35 (16), A-82**. Abstract PS1.04.77.

Audrey Lafrenaye, **Stefania Mondello**, Kevin Wang, John Povlishock, Karen Gorse, Susan Walker, Ronald Hayes, Patrick Kochanek. Operation Brain Trauma Therapy: Histological correlations to GFAP serum biomarker in a micro pig model of diffuse traumatic brain injury. The 3rd Joint Symposium of the International and National Neurotrauma Societies and AANS/CNS Section on Neurotrauma and Critical Care August 11–16, 2018 Toronto, Canada. **Journal of Neurotrauma 35 (16), A-82**. Abstract PS1.04.90.

Zhihui Yang, Tian Zhu, **Stefania Mondello**, Miis Akel, Aaron T Wong, Isha M Kothari, Fan Lin, Deborah A. Shear, Janice S Gilsdorf, Lai Yee Leung, Helen M. Bramlett, C. Edward Dixon, W. Dalton Dietrich, Ronald L. Hayes, John T. Povlishock, Frank C. Tortella, Patrick M. Kochanek, Kevin K.W. Wang*. p-NF-H protein as theranostic biomarker in three models of traumatic brain injury: an Operation Brain Trauma Therapy study. The 3rd Joint Symposium of the International and National Neurotrauma Societies and AANS/CNS Section on Neurotrauma and Critical Care August 11–16, 2018 Toronto, Canada. **Journal of Neurotrauma 35 (16), A-192**. PS2.04.31.

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